

# Public Enterprises Survey

2016-17

Volume-I

Annual Report on the performance of  
Central Public Sector Enterprises



Government of India  
Ministry of Heavy Industries and Public Enterprises  
Department of Public Enterprises  
New Delhi



सत्यमेव जयते

# Public Enterprises Survey 2016-17

## Volume-I

Government of India  
Ministry of Heavy Industries and Public Enterprises  
Department of Public Enterprises





ANANT G. GEETE

### Foreword

Central Public Sector Enterprises have been significant partners in the progress of the nation through their contribution to economic growth, infrastructure development, healthy market competition, balanced regional development, price stabilization etc. CPSEs are also playing key role in discharging social obligations such as education, skilling, health care etc. Moreover, the Maharatna and Navratna CPSEs constitute some of the elite companies of India in prominent sectors like Petroleum & Natural Gas, Coal, Power Generation & Transmission, Steel, Heavy Engineering, Telecommunications and Transportation Services.

Department of Public Enterprises has come out with the 57<sup>th</sup> edition of Public Enterprises (PE) Survey 2016–17, in the series of PE Surveys which commenced in 1960-61. It is a consolidated annual report on the performance of CPSEs and their subsidiaries for the financial year 2016-17. It gives a detailed analysis of various aspects of their performance as well as cognate group wise information aptly supported by statistics. It also gives a snapshot of the Balance Sheet and Profit & Loss statement of CPSEs along with vital financial ratios and operational indicators.

During the year, the overall performance of CPSEs in India has shown improvement. The overall net profit of the 257 operating CPSEs grew by 11.70% to ₹ 1.27 lakh crore in 2016-17. CPSEs also make significant contribution to the Central Government through payment of dividend, interest, corporate taxes, excise duty etc. The same increased by 39.78% in 2016-17 to ₹ 3.85 lakh crore.

This Survey meets an important requirement in the CPSE policy architecture and has evolved over the years as an important tool for the Government, Industry as well as Academia.

Last but not the least, I wish to acknowledge the efforts put in by the Department of Public Enterprises in the timely preparation of this Survey.

(ANANT G. GEETE)

March, 2018  
New Delhi







**BABUL SUPRIYO**

## Preface

Over the years, Central Public Sector Enterprises (CPSEs) in India have been recognized as having a unique place among the state owned enterprises of the world. Many of the 257 operating CPSEs are some of the leading companies of India with a pan India presence. They are diverse organizations categorized into 5 sectors & 21 cognate groups operating over the length and breadth of the country and fulfilling various macro-economic objectives. They deal with various new technologies, markets and services and are also a significant source of employment with the workforce strength of 11.31 lakh as on 31.3.2017 (excluding contractual & casual workers).

The Estimates Committee (2<sup>nd</sup> Lok Sabha), in their 73<sup>rd</sup> report (1959-60) had recommended that in addition to the individual annual report of each enterprise laid on the Table of both the Houses of Parliament, a separate comprehensive report should be submitted to the Parliament indicating the Government's total appraisal of the working of CPSEs. The first Annual Report was accordingly prepared by the erstwhile Bureau of Public Enterprises (now Department of Public Enterprises) in 1960-61. The present PE Survey is the 57<sup>th</sup> in the series and the data has been presented based on the Schedule III of Companies Act 2013.

The Survey incorporates audited financial and operational performance data for the year 2016-17. 52 CPSEs out of 244 operating CPSEs had furnished provisional figures in respect of their balance sheet and profit/loss accounts of the year 2015-16. Most of these CPSEs have now provided updated/audited figures which have been revised in the data for 2015-16 in this survey. The financial data of 140 CPSEs for 2015-16 has also been revised and updated consequent to IND-AS implementation w.e.f. 01.04.2016.

The Department of Public Enterprises acknowledges the cooperation extended by all the Ministries/Departments of Government of India and their respective CPSEs in providing financial and other performance data for the preparation of the Survey (2016-17). I also take this opportunity to place on record the efforts put in by Secretary, DPE and all officers and staff of the Department in preparing this Survey.

**(Babul Supriyo)**

March, 2018  
New Delhi





SEEMA BAHUGUNA, IAS  
Secretary

## Introduction

The Department of Public Enterprises (DPE) under the Ministry of Heavy Industries and Public Enterprises is the nodal department coordinating matters of general policy and evaluating and monitoring the performance of all Central Public Sector Enterprises (CPSEs). The Public Enterprises (PE) Survey is a consolidated report on the performance of all CPSEs providing an overview of their annual financial and operational performance.

2. CPSEs continue to play a major role in fulfilling the developmental priorities of the country. They contribute to both macroeconomic objectives such as growth, advancement in manufacturing and technology, price stabilisation etc., as well as to socio-economic objectives such as employment generation and skill development.

3. Structurally, the Public Enterprises Survey(2016-17) is based on Schedule III of Companies Act, 2013 and primarily contains the audited financial data for the past two years i.e. 2016-17 and 2015-16. The basic data for the Public Enterprises Survey has been furnished by CPSEs in the detailed data sheet/ questionnaire developed by the Department. The data so compiled has been analysed and presented in two separate volumes. **Volume-I** contains the macro appraisal of the performance of CPSEs at the aggregate level in terms of the operational and financial parameters. **Volume-II** contains enterprise-wise and cognate group-wise data for 2016-17 and 2015-16. Enterprise wise data/report consists of summarised balance sheet, summarised profit/ loss account, important financial ratios, management issues and analysis of performance of each of the CPSEs. Public Enterprises Survey not only covers certain statutory corporations, but all those Government Companies in which more than 50% equity is held by the Central Government. For the purpose of the Survey, the subsidiaries of these companies in which any CPSE has more than 50% equity are also categorized as CPSEs, if registered in India. The Survey does not cover departmentally run public enterprises, banking institutions, and insurance companies.

4. 331 CPSEs came within the scope of the Survey in 2016-17 (as on 31.03.2017) as against 320 CPSEs in 2015-16 (as on 31.03.2016). Seventeen (17) new public sector enterprises have been added to the list of CPSEs as per the information received from the concerned administrative Ministry/Department whereas 6 enterprises were deleted/closed. A list of these CPSEs is shown at Appendix VII, at the end of this Volume.

5. As per provisions of Companies Act 2013, IND AS (Indian Accounting Standards) will be mandatorily applicable to the companies based on notified criteria for periods beginning on or after 1 April 2016, with comparatives for the period ending 31 March 2016 or thereafter. During the FY 2016-17, 140 operating CPSEs



have complied with Indian Accounting Standards (IND-AS) and the remaining operating CPSEs (117) have continued to comply with the existing Accounting Standards (AS). In order to give comparative figures, IND-AS applicable CPSEs have restated their financial statements for FY 2015-16 as per IND-AS. Hence PE Survey 2016-17 covers the restated figures for FY 2015-16. Due to non-availability of comparative figures of IND-AS applicable CPSEs (restated as per IND-AS) for FY 2014-15, the enterprise specific and cognate group-wise financial data in Volume – II of this Survey has been given for only two financial years i.e. FY 2016-17 and FY 2015-16.

6. During the year CRISIL had been tasked to improve the analytical content and overall presentation of the PE Survey. Based on their recommendations, the existing 14 chapters of the Volume-I have been restructured into five chapters to improve the presentation. The analytical content of Survey has also been improved with the addition of new analysis, graphs and boxes.

7. The data for FY 2016-17 in respect of 21 CPSEs has been considered on provisional basis. Out of these, 11 CPSEs have provided provisional financial data which is unaudited and 10 CPSEs have not furnished any information for the year 2016-17. A list of these CPSEs is shown at Appendix V. During the year 2016-17, Air India Charters Ltd. has been renamed as Air India Express Limited.

8. I believe that this Survey will provide stakeholders with updated information and valuable insights to better understand the contribution of CPSEs towards the economic growth of India.

9. I would like to express my gratitude to all the Ministries/Departments and other institutions for making available all the relevant information. I would also like to acknowledge the co-operation extended by all the CPSEs in submitting the requisite data to the Department. The officers & staff of DPE also need to be congratulated for their hard work in timely completion of this exercise. The contribution of CRISIL Infrastructure Advisory in helping to reorganise the contents of Volume-I of this survey for better presentation of data/information is also acknowledged.

10. The Survey is available on the department's website [www.dpe.nic.in](http://www.dpe.nic.in). Suggestions to further improve the Public Enterprises Survey are welcome, and may be shared via email with: [pesurvey@nic.in](mailto:pesurvey@nic.in).



(SEEMA BAHUGUNA)

March, 2018  
New Delhi

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# 1

## The Year Gone By

### 1.1 Highlights

The Estimates Committee, in their 73rd Annual Report (1959-60), had recommended that in addition to the individual annual report of each enterprise laid on the Table of both the Houses of Parliament, a separate comprehensive report should be submitted to the Parliament indicating the Government's total appraisal of the working of Public Enterprises. Accordingly since 1960-61, Government of India has been bringing out annually a consolidated report on the performance of Central Public Sector Enterprises (CPSEs). The present Report is the 57th Report in the series.

Section 2 (45) of Companies Act, 2013 defines a Government company to mean – any company in which not less than fifty-one per cent of the paid-up share capital is held by the Central Government, or by any State Government or Governments, or partly by the Central Government and partly by one or more State Governments and includes a company which is a subsidiary company of such a Government company. The Public Enterprises Survey traditionally covers, besides statutory corporations, those Government companies wherein more than 50 % equity is held by the Central Government. This Report is no exception. The subsidiaries of these companies, if registered in India, wherein any CPSE has more than 50% equity are also categorized as CPSEs. The Survey, does not cover departmentally run public enterprises, banking institutions, and insurance companies.

Public sector enterprises were set up to serve the broad macro-economic objectives of higher economic growth, self-sufficiency in production of goods and services, long term equilibrium in balance of payments and low and stable prices besides meeting certain socio-economic obligations. While there were only five Central Public Sector Enterprises (CPSEs) with a total investment of ₹29 crore at the time of the First Five Year Plan, there were 331 CPSEs with a total investment of ₹ 12,50,373 crore as on 31st March, 2017.

The CPSEs are key and strategic actors in the nation's economy providing essential goods and services and holding a dominant market position in critical sectors such as Petroleum, Power, Steel, Mining,



and Transportation. The CPSEs are also operating in competitive markets such as Telecommunication and Information Technology, Hospitality etc. The CPSEs are increasingly under pressure by both the government and business environment competition to achieve their goals more effectively and efficiently.

A large number of CPSEs have been set up as greenfield projects consequent to the initiatives taken during the Five Year Plans. CPSEs such as National Textile Corporation, British India Corporation Ltd, Andrew Yule & Company Ltd, Coal India Ltd. (and its subsidiaries) have, however, been taken over from the private sector consequent to their 'nationalization'. Industrial companies such as Indian Petrochemicals Corporation Ltd., Modern Food Industries Ltd., Hindustan Zinc Ltd., Bharat Aluminum Company and Maruti Udyog Ltd, which were CPSEs earlier, ceased to be CPSEs after their 'privatization'.

Along with other public sector majors such as State Bank of India in the Banking sector, Life Insurance Corporation in the Insurance sector, Post & Telegraph in Telecom sector and Indian Railways in Transportation, the CPSEs are leading companies of India with significant market-shares in sectors such as petroleum, (e.g. IOCL, ONGC, GAIL, HPCL, and BPCL), Mining (e.g. Coal India Ltd. and NMDC), Power Generation (e.g. NTPC and NHPC), Power Transmission (e.g. Power Grid Corporation of India Ltd.), Nuclear Energy (e.g. Nuclear Power Corporation of India Ltd.), Heavy Engineering (e.g. BHEL), Aviation (e.g. Hindustan Aeronautics Ltd. and Air India Ltd.), Storage and Public Distribution (e.g. Food Corporation of India and Central Warehousing Corporation), Shipping and Trading (e.g. Shipping Corporation of India Ltd, and State Trading Corporation of India Ltd.), Steel (e.g. Steel Authority of India Ltd and Rashtriya Ispat Nigam Ltd) and Telecommunication (e.g. BSNL and MTNL).

## 1.2 Cognate group-wise status of CPSEs

A Committee was constituted on 4th July 2017 to examine the issues relating to change of cognate groups of the CPSEs as per their core line of activities. Based on the recommendations of the committee Electricity Sector was removed along with shifting of 'Power Generation' to Manufacturing Sector and

### Box 1.1: Highlights

#### Highlights

- **Total Paid-up Capital** in 331 CPSEs as on 31.3.2017 stood at ₹ 2,33,112 crore as compared to ₹ 2,04,763 crore as on 31.3. 2016 (320 CPSEs), showing a growth of 13.84%.
- **Total Investment (Financial)** in all CPSEs stood at ₹ 12,50,373 crore as on 31.3.2017 compared to ₹ 11,61,019 crore as on 31.3.2016, recording a growth of 7.70%.
- **Capital Employed** in all CPSEs stood at ₹ 21,74,120 crore on 31.3.2017 compared to ₹ 20,59,529 crore as on 31.3.2016 showing a growth of 5.56 %.
- **Total Gross Revenue from Operation** of all CPSEs during 2016-17 stood at ₹ 19,54,616 crore compared to ₹ 18,34,635 crore in the previous year showing a growth of 6.54 %.
- **Total Income** of all CPSEs during 2016-17 stood at ₹ 18,21,809 crore compared to ₹ 17, 64,232 crore in 2015-16, showing a growth of 3.26%.
- **Profit** of profit making CPSEs (174 CPSEs) stood at ₹ 1,52,647 crore during 2016-17 compared to ₹ 1,44,998 crore in 2015-16 showing a growth in profit by 5.28%.
- **Loss** of loss incurring CPSEs (i.e 82 CPSEs) stood at ₹ 25,045 crore in 2016-17 compared to ₹ 30,759 crore in 2015-16 showing a decrease in loss by 18.58 %
- **Overall Net Profit** of all 257 operating CPSEs during 2016-17 stood at ₹ 1,27,602 crore compared to ₹ 1,14,239 crore during 2015-16 showing a growth in overall profit of 11.70%.
- **Reserves & Surplus** of all CPSEs went up from ₹ 8,98,510 crore in 2015-16 to ₹ 9,23,747 crores in 2016-17, showing an increase by 2.81 %.
- **Contribution of CPSEs to Central Exchequer** by way of excise duty, customs duty, corporate tax, interest on Central Government loans, dividend and other duties and taxes increased from ₹ 2,75,841 crore in 2015-16 to ₹ 3,85,579 crore in 2016-17, showing a growth of 39.78%.
- **Foreign Exchange Earnings** through exports of goods and services increased from ₹ 76,644 crore in 2015-16 to ₹ 87,616 crore in 2016-17, showing an

increase of 14.32%.

- **Foreign Exchange Outgo** on imports and royalty, know-how, consultancy, interest and other expenditure increased from ₹ 3,86,957 crore in 2015-16 to ₹ 4,59,210 crore in 2016-17 showing an increase of 18.67%.
- **Net Worth** of all CPSEs went up from ₹10,79,753 crore as on 31.03.2016 to ₹11,07,981 crore as on 31.03.2017 showing an increase of 2.60%.
- **CPSEs Employed** 11.31 lakh people (excluding casual and contractual workers) in 2016-17 compared to 11.85 lakh in 2015-16, showing a reduction in employee strength by 4.60%.
- **Salary and Wages** went up in all CPSEs from ₹ 1,27,182 crore in 2015-16 to ₹ 1,40,384 crore in 2016-17 showing a growth of 10.38%.
- **Total Market Capitalization (M-Cap)** of 50 CPSEs traded on stock exchanges of India is ₹ 17,76,235 crore as on 31.03.2017 as compared to ₹12,94,245 crore as on 31.03.2016 showing an increase of 37.24%.
- **M-Cap** of CPSEs as per cent of BSE M-Cap increased from 13.66% as on 31.3.2016 to 14.61% as on 31.3.2017.

‘Power Transmission’ to Services Sector. The Cognate Groups ‘Contracts & Construction’ and ‘Industrial development & Technical Consultancy’ were merged together and categorized as ‘Contracts, Construction, & Technical Consultancy’, Heavy Engineering and Medium & Light Engineering cognate groups have been merged together and categorized as Heavy and Medium Engineering. The revised cognate groups along with CPSEs falling under respective cognate groups can be seen in Appendix –II.

The enterprises covered in this Survey have been classified into five Sectors having 21 different cognate groups. Cognate group-wise and individual enterprises-wise analysis are given in Volume II of this Survey. The cognate groups in which the enterprises have been classified are given below in Box 1.2

Box 1.2: Cognate Group-Wise Enterprises		
Cognate Group	No. of Enterprises as on	
	31.03.2017	31.03.2016
<b>I Agriculture</b>		
Agro-based Industries	5	5
<b>Sub-total (I)</b>	<b>5</b>	<b>5</b>
<b>II Mining &amp; Exploration</b>		
Coal	8	8
Crude-Oil	5	5
Other Minerals & Metals	11	11
<b>Sub-total (II)</b>	<b>24</b>	<b>24</b>
<b>III Manufacturing, Processing &amp; Generation</b>		
Steel	4	4
Petroleum (Refinery & Marketing)	6	6
Fertilizers	7	7
Chemicals & Pharmaceuticals	17	17
Heavy & Medium Engineering	35	34
Transportation Vehicle & Equipment	1	1
Industrial & Consumer Goods	13	13
Textiles	4	4
Power Generation	12	10
<b>Sub-total (III)</b>	<b>99</b>	<b>96</b>
<b>IV Services</b>		
Power Transmission	8	4
Trading & Marketing	20	20
Transport & Logistic Services	21	21
Contract, Construction & Technical Consultancy Services	42	38
Hotel & Tourist Services	9	9
Financial Services	21	19
Telecommunication Services	8	8
<b>Sub-total (IV)</b>	<b>129</b>	<b>119</b>
<b>V Enterprises under Construction</b>	<b>74</b>	<b>76</b>
<b>Sub-total (V)</b>	<b>74</b>	<b>76</b>
<b>Grand Total</b>	<b>331</b>	<b>320</b>

### 1.3 Top 10 Profit and Loss Making CPSEs

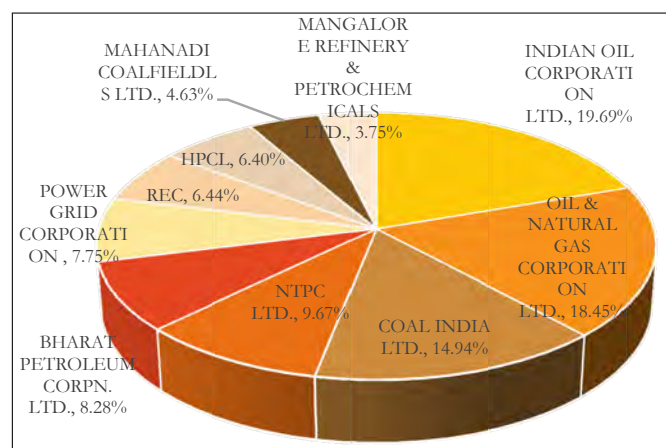
Indian Oil Corporation Limited, Oil & Natural Gas Corporation Ltd., and Coal India Ltd were ranked first, second and third respectively amongst the top ten profit making CPSEs contributing 19.69%, 18.45% and 14.94% respectively to the total profit earned

by the top ten profit making CPSEs during the year 2016-17. Hindustan Petroleum Corporation Limited and Mangalore Refinery & Petrochemicals Ltd. have entered in the top ten profit making CPSEs, while Hindustan Fertilizer Corporation Ltd and Power Finance Corporation Ltd. have not featured in the list of top ten profit making CPSEs. The top ten profit making companies claimed 63.57% of the total profit made by all the (174) profit making CPSEs during the year.

**Table 1.1: Top 10 Profit Making CPSEs during 2016-17 (₹in crore)**

Sl. No	CPSE Name	Net Profit	%age Share
1	Indian Oil Corporation Ltd.	19106	19.69%
2	Oil & Natural Gas Corporation Ltd.	17900	18.45%
3	Coal India Ltd.	14501	14.94%
4	NTPC Ltd.	9385	9.67%
5	Bharat Petroleum Corpn. Ltd.	8039	8.28%
6	Power Grid Corporation	7520	7.75%
7	Rural Electrification Corporation Ltd (REC)	6246	6.44%
8	Hindustan Petroleum Corporation Ltd (HPCL)	6209	6.40%
9	Mahanadi Coalfields Ltd.	4492	4.63%
10	Mangalore Refinery & Petrochemicals Ltd.	3644	3.75%
<b>Total (1 to 10)</b>		<b>97042</b>	<b>63.57%</b>
<b>Net Profit of Profit making CPSEs (174)</b>		<b>152647</b>	<b>100%</b>

**Figure-1.1 Top-10 Profit Making CPSEs (in %)**



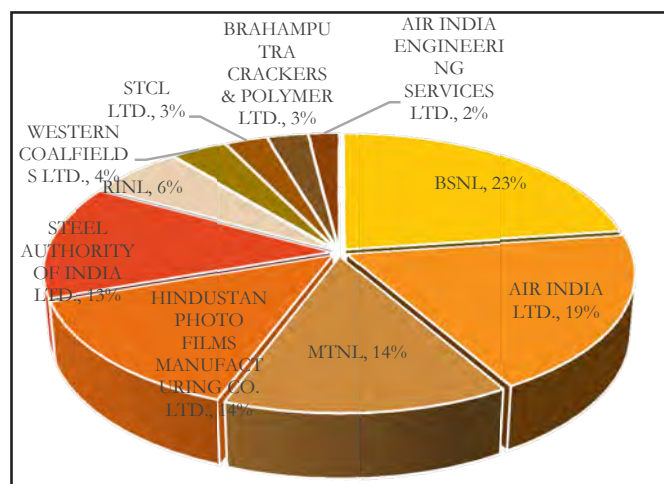
Bharat Sanchar Nigam Ltd., Air India Ltd. and Mahanagar Telephone Nigam Ltd. were the

highest loss making CPSEs during 2016-17. The top ten loss making companies claimed 83.82% of the total losses made by all the (82) CPSEs during the year. The top three loss making CPSEs namely, Bharat Sanchar Nigam Ltd., Air India Ltd. and Mahanagar Telephone Nigam Ltd. incurred a loss equal to 55.66% of the total loss by the top ten loss making CPSEs in 2016-17. Hindustan Cables Ltd., Bharat Heavy Electricals Limited, and ONGC Videsh Limited, who had incurred losses last year, have made profits this year, while Western Coalfields Ltd., STCL Limited, Air India Engineering Services Limited and Brahmaputra Crackers and Polymer Ltd have entered into top ten loss making CPSEs during the year 2016-17.

**Table 1.2: Top 10 Loss-making CPSEs during 2016-17 (₹in crore)**

Sl. No	CPSE Name	Net Loss	%age Share
1	Bharat Sanchar Nigam Limited	-4793	22.83%
2	Air India Ltd.	-3952	18.82%
3	Mahanagar Telephone Nigam Limited (MTNL)	-2941	14.01%
4	Hindustan Photo Films Manufacturing Co. Ltd.	-2917	13.90%
5	Steel Authority Of India Ltd.	-2833	13.50%
6	Rashtriya Ispat Nigam Ltd. (RINL)	-1263	6.02%
7	Western Coalfields Ltd.	-777	3.70%
8	STCL Ltd.	-563	2.68%
9	Brahmaputra Crackers & Polymer Ltd.	-547	2.61%
10	Air India Engineering Services Ltd.	-407	1.94%
<b>Total (1 to 10)</b>		<b>-20994</b>	<b>83.82%</b>
<b>Net Loss of Loss making CPSEs (82)</b>		<b>-25045</b>	<b>100%</b>

**Figure-1.2: Top 10 Loss-making CPSEs (in %)**



### 1.4 Sector-wise Performance

The Important financial ratios are given in Table 1.3 for the last two years. It has been observed that Return on Net Worth is highest in the Mining & Exploration Sector (15.53%) followed by Manufacturing, Processing & Generation (13.53%), Services (5.27%). Agriculture sector has shown negative (-11.82%) return on Net Worth. It is pertinent to note that overall return on Net Worth of all CPSEs taken together is 11.52% during the year 2016-17 and only Mining & Exploration sector's and Manufacturing, Processing & Generation Sector's return on net worth is higher than the average return of all CPSEs during the year 2016-17.

It has been observed that Return on Equity is highest in the Mining & Exploration Sector (14.01%) followed by Manufacturing, Processing & Generation (13.44%), Services (5.26%) whereas Agriculture shown negative (-11.82%) return on Equity. It is seen that overall return on Equity of all CPSEs taken together

is 11.14% during the year 2016-17 and only Mining & Exploration sector's and Manufacturing, Processing & Generation Sector's return on Equity is higher than the average return of all CPSEs during the year 2016-17.

The Return on Assets is highest in the Mining & Exploration Sector (7.99%), followed by Manufacturing, Processing & Generation (4.73%), Services (1.20%) whereas the Agriculture sector has shown negative (-2.08%) return on Assets. It is worthwhile to note that overall return on Assets of all CPSEs taken together is 3.74% during the year 2016-17 and only Mining & Exploration sector's and Manufacturing, Processing & Generation Sector's return on Assets is higher than the average return of all CPSEs during the year 2016-17.

Net Profit Margin is the highest in the Mining & Exploration Sector (20.50%) followed by Manufacturing, Processing & Generation (5.47%), Services (3.99%) whereas Agriculture sector has a negative (-3.08%) Net Profit Margin. It is pertinent to mention here that overall Net Profit margin of all CPSEs taken together is 7% during the year 2016-17 and only Mining & Exploration sector's Net Profit Margin is higher than the average Net Profit Margin of all CPSEs during the year 2016-17.

The PBIT Margin is highest in the Mining & Exploration Sector (28.83%) followed by Services (12.31%), Manufacturing, Processing & Generation (9.30%), and Agriculture sector (5.61%). It is pertinent to mention here that overall PBIT Margin of all CPSEs taken together is 12.53% during the year 2016-17 and only Mining & Exploration sector's PBIT Margin is higher than the average PBIT margin of all CPSEs during the year 2016-17.

**Table 1.3: Sector wise key Ratios of CPSEs**

Sectors	Return on net worth (%)		Return on Equity (%)		Return on Assets (%)		Net Profit Margin (%)		PBIT Margin (%)	
	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16
<b>Agriculture</b>	-11.82	-21.07	-11.82	-21.07	-2.08	-3.55	-3.08	-7.29	5.61	4.86
<b>Manufacturing, Processing &amp; Generation</b>	13.53	10.90	13.44	10.82	4.73	3.82	5.47	4.37	9.30	7.53



<b>Mining &amp; Exploration</b>	15.53	15.19	14.01	14.62	7.99	8.84	20.50	21.31	28.83	30.68
<b>Services</b>	5.27	5.69	5.26	5.67	1.20	1.32	3.99	4.06	12.31	12.61
<b>Total</b>	<b>11.52</b>	<b>10.58</b>	<b>11.14</b>	<b>10.42</b>	<b>3.74</b>	<b>3.58</b>	<b>7.00</b>	<b>6.48</b>	<b>12.53</b>	<b>11.85</b>

### 1.5 Implementation of Public Procurement Policy for Micro & Small Enterprises (MSEs)

The Government of India has notified Public Procurement Policy for Micro & Small Enterprises (MSEs) Order, 2012 which is applicable for every Central Ministry / Department / PSU w.e.f. 1st April, 2012.

The Policy mandates that every Central Ministry / Department / Public Sector Undertaking shall set an annual goal of procurement from Micro and Small Enterprises from the financial year 2012-13 onwards, with the objective of achieving an overall procurement

of minimum 20 percent of total annual purchases of products produced and services rendered by Micro and Small Enterprises in a period of three years. The minimum 20% annual procurement from MSEs has become mandatory from 1st April 2015. Policy has also earmarked a sub target of 4% out of the 20%, from MSEs owned by SC/ ST Enterprises.

The Department of Public Enterprises has started collecting information regarding procurement from MSEs by CPSEs. The data/information received from CPSEs during the last three years viz. 2014-15, 2015-16 and 2016-17 is summarised below in Table 1.4.

**Table 1.4: Detail of procurement by CPSEs from Micro and Small Enterprises**

<b>Years</b>	<b>No. of CPSEs</b>	<b>Total Procurement (₹ in Crore)</b>	<b>Procurement from MSEs (₹ in Crore)</b>	<b>Procurement from MSEs owned by SC/ST Entrepreneur (₹ in Crore)</b>
<b>2014-15</b>	113	1,43,665.03	9,601.01	90.12
<b>2015-16*</b>	133	2,79,168.28	12,566.15	50.11
<b>2016-17</b>	144	1,34,358.19	25,326.97	399.99

\*Procurement figures for Financial Year 2015-16 revised due to receipt of data from four more CPSEs in 2016-17 which were not received at the time of finalization of PE Survey 2015-16

# 2

## CPSEs and the Indian Economy

### 2.1 Overview

CPSEs not only play a significant role in the growth of the Indian economy, but are also affected by the overall growth in the economy. Provisional estimate of GDP at current prices in 2016-17 was ₹ 151.84 lakh crore as against the GDP of ₹ 136.82 lakh crore for the year 2015-16, recording a growth rate of 10.97% during the period. The Gross Turnover of CPSEs has increased in 2016-17 by 6.54% to ₹ 19,54,616 crore from ₹ 18,34,635 crore in 2015-16 whereas profit of profit making CPSEs increased by 5.28% to ₹ 1,52,647 crore in 2016-17 from ₹ 1,44,998 crore in 2015-16.

The total loss of loss making CPSEs decreased by 18.58 % to ₹ 25,045 crore from ₹ 30,759 crore during the same period. Overall, aggregate net profit reported by all 257 CPSEs is ₹ 1,27,602 crore as against ₹ 1,14,239 crore reported in the year 2015-16, thus showing a growth in overall profit of 11.70% as against a growth of 11.06% in 2015-16. During the year 2016-17 the number of profit making CPSEs have increased to 174 from 164 CPSEs in previous year and the number of loss making CPSEs have increased from 79 to 82 during the same period. One CPSE, namely Food Corporation of India neither earned profit nor incurred loss during 2015-16 and 2016-17.

### 2.2 Sector and Group-wise Gross Revenue from Operations

The Manufacturing, Processing & Generation sector has a major share of 67% of the Gross Revenue from Operations achieved by CPSEs during 2016-17, followed by Services sector (22.47%), Mining & Exploration sector (10.47%), and Agriculture sector (0.06%). The cognate group-wise analysis shows that Petroleum (Refinery & Marketing) contributes 51.94%, followed by Trading and Marketing services (8.70%), Power Generation (5.87%), Transport & Logistic Services (5.25%), Crude Oil (5.07%), Coal (4.29%), Heavy & Medium Engineering (3.96%), Financial Services (3.54%) and Steel (3.24%). The remaining 8.14% has been contributed by other cognate groups. The Gross Revenue from Operations of CPSEs showed a significant increase in Chemicals & Pharmaceuticals (36.20%), Agro Based Industries(34.95%), Other Minerals & Metals (27.55%), Power Transmission (24.83%), Industrial & Consumer Goods(16.43%)

and Contract, Construction & Technical Consultancy Services(15.35%)during the year 2016-17.

### 2.3 Sector and Group-wise Net Profits/losses

The Manufacturing, Processing & Generation sector has a major share of 48.72% of the total net profits earned by CPSEs during 2016-17 followed by Mining & Exploration sector (37.14%) and Services Sector (14.18%). The cognate group-wise analysis shows that Petroleum (Refining & Marketing) cognate group contributed 31.45% to the net profit for the year 2016-17 followed by Coal (18.48%), Power Generation (16.14%), Crude Oil (15.62%) and Financial Services (8.71%).

The net losses, have decreased in the Agro-based Industries, Steel and Trading & Marketing cognate groups. The cognate group-wise analysis shows that textiles cognate group has reported profit in 2016-17 as against loss reported in 2015-16 while the net losses of Chemicals & Pharmaceuticals, Industrial & Consumer Goods and Telecommunication & Information Technology have increased in 2016-17 as compared to net losses reported in 2015-16

### 2.4 Foreign Exchange Earnings/outgo of CPSES

The share of earnings through export/deemed export amounted to 4.48 per cent of total turnover during the year, and the CPSEs earned foreign exchange equal to ₹ 87,616 crore in 2016-17 as compared to ₹ 76,644 crore in 2015-16. The foreign exchange outgo on imports and royalty, know-how, consultancy, interest and other expenditure, on the other hand, increased from ₹ 3,86,957 crore in 2015-16 to ₹ 4,59,210 crore in 2016-17 showing a growth of 18.67%.

### 2.5 Employee Strength and salaries/wages of CPSES

The total employee strength in CPSEs stood at 11.31 lakh (excluding contractual & casual/daily rated workers) in 2016-17 as compared to 11.85 lakh in 2015-16. The total strength of employees in CPSEs has gone down by 0.54 Lakh persons due to superannuation, voluntary retirement etc. The salary and wages in all

the CPSEs, at the same time went up during the year from ₹ 1,27,182 crore in 2015-16 to ₹ 1,40,384 crore in 2016-17 showing a growth of 10.38%. However, per employee gross revenue from operations of CPSEs has increased from ₹ 1.55 crore in 2015-16 to ₹ 1.73 crore in 2016-17.

### 2.6 Provisional data of CPSES

Like the previous years, the Survey mainly takes into account audited financial statements. However, there are some CPSEs that could not get their accounts audited and consequently submitted provisional data. This year 11 CPSEs have given provisional financial data which is unaudited and 10 CPSEs have not furnished any information for the year 2016-17. Therefore, data in respect of 21 CPSEs is being treated as provisional and is listed in Appendix-V.

### 2.7 Revision of Data of 2015-16 of CPSES

In PE survey 2015-16, unaudited / provisional data in respect of 52 CPSEs were furnished. Most of these companies have now furnished updated / audited figures and that have been incorporated and revised in the data of 2015-16. Due to implementation of IND-AS w.e.f. 01.04.2016, the financial data of 140 CPSEs has been revised for FY 2015-16.

### 2.8 Net Value Addition by CPSES

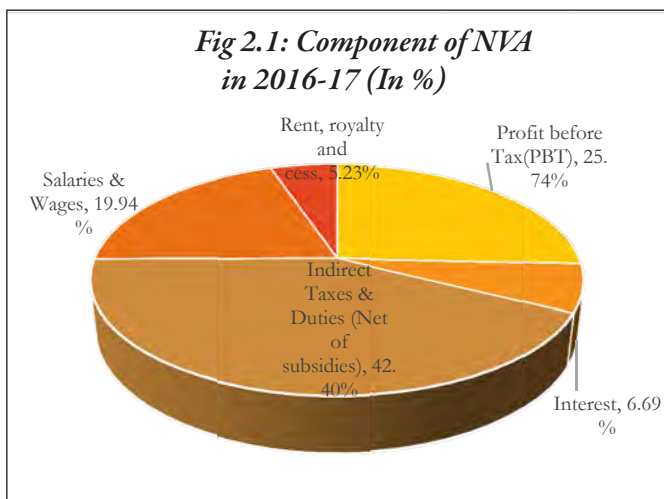
Net Value Addition (NVA) by CPSEs increased from ₹ 5,64,147 crore in 2015-16 to ₹ 7,04,058 crore in 2016-17 (Table. 2.1) recording a growth rate of 24.80%. Thus, the share of Net Value Addition as a ratio to GDP stood at 4.63% in the year 2016-17 as against 4.12% in 2015-16. The share of Gross Value Addition by CPSEs (Net Value Addition + Depreciation & Impairment) in the GDP stood at 5.11% in 2016-17 as against 4.62% in 2015-16. In real terms the Gross Value Addition was ₹7,77,027 crore in 2016-17 and in 2015-16 was ₹ 6,32,259 crore.

Table 2.1: Component of NVA in CPSES (₹in Crore)

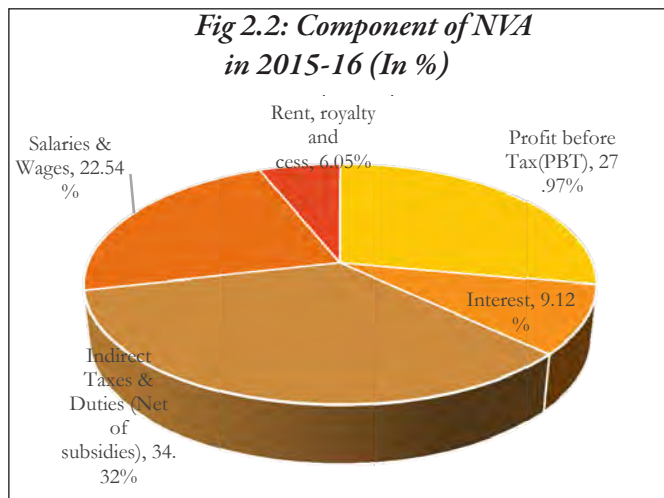
S. No	Net Value Addition	2016-17	2015-16
1	Profit before Tax (PBT)	1,81,244	1,57,770
2	Interest	47,106	51,449
3	Indirect Taxes & Duties (Net of subsidies)	2,98,486	1,93,604

4	Salaries & Wages	1,40,384	1,27,182
5	Rent, royalty and cess	36,838	34,143
<b>Total</b>		<b>7,04,058</b>	<b>5,64,148</b>

**Fig 2.1: Component of NVA in 2016-17 (In %)**



**Fig 2.2: Component of NVA in 2015-16 (In %)**



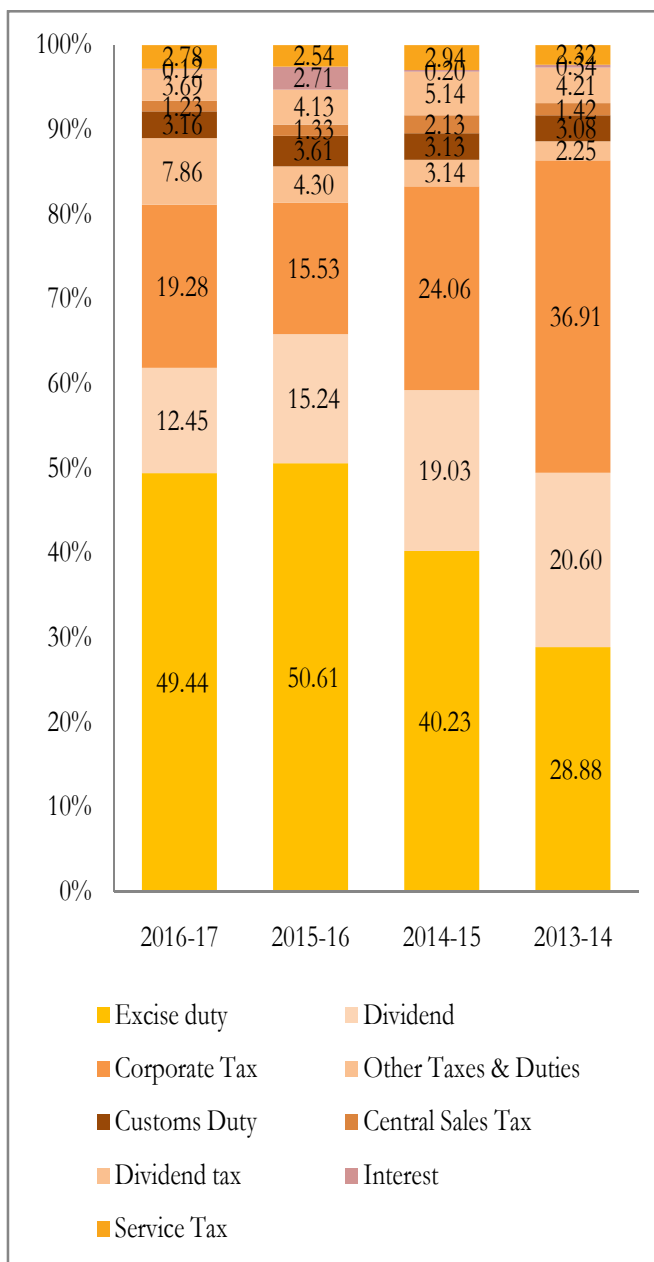
### 2.8.1 Components of Net Value Addition

In terms of 'Net Value Addition' (Gross Value Addition – Depreciation & Impairment) generated by CPSEs in 2016-17, the share of indirect taxes & duties (net of subsidies) was the highest at 42.40%. This was followed by 'profit before tax (25.74%)', salary & wages (19.94%), interest (6.69%) and rent royalty and cess (5.23%) (Fig 1). A comparison between the respective shares of each of these items during 2016-17 and 2015-16 depicts that the share of profit before tax, interest, salary and wages, and rent royalty and cess has decreased whereas the share of indirect taxes and duties, has increased in 2016-17.

## 2.9 Contribution to the Central Exchequer

CPSEs contribute to the Central Exchequer by way of dividend payment, interest on government loans and payment of taxes & duties. Due to increase in contribution of all the components (except interest) to Central Exchequer, the total contribution of CPSEs to the Central Exchequer during the year 2016-17, has increased from ₹ 2,75,841 crore in 2015-16 to ₹ 3,85,579 crore in 2016-17 showing an increase of 39.78% (Fig 2.3).

**Fig 2.3: Contribution to the Central Exchequer**



# 3

## Financial Information

### 3.1 Ind AS implementation in CPSEs

As per provisions of Companies Act 2013, IND-AS (Indian Accounting Standards) will be mandatorily applicable to the following companies for periods beginning on or after 1 April 2016, with comparatives for the period ending 31 March 2016 or thereafter:

- Companies whose equity and/or debt securities are listed or are in the process of listing on any stock exchange in India or outside India and having net worth of 500 crore INR or more.
- Companies having net worth of 500 crore INR or more other than those covered above.
- Holding, Subsidiary, Joint Venture or Associate Companies of companies covered above.

As per the above criteria, 140 operating CPSEs have complied with Ind AS from FY 2016-17 and the remaining operating CPSEs (117) have continued to comply with the existing accounting standards.

Schedule III of the Companies Act, 2013 became applicable to all companies for the preparation of financial statements for the financial years beginning on or from 1 April 2014. Schedule III provides general instructions for preparation of the balance sheet and the statement of profit and loss of a company.

On 6th April 2016, Ministry of Corporate Affairs (MCA) amended Schedule III to include general instructions for preparation of financial statements of a company whose financial statements are required to comply with Indian Accounting Standards (Ind AS). The amendment divides Schedule III into two parts i.e. Division I and II:

- Division I is applicable to a company whose financial statements are required to comply with the current accounting standards
- Division II is applicable to a company whose financial statements are drawn up in compliance with Ind AS (Ind AS Schedule III).

In compliance with the above requirements, IND-AS applicable CPSEs have presented their financial statements in Division II of Schedule III of Companies Act, while remaining CPSEs have presented their financial statements in Division I of Schedule III of Companies Act.



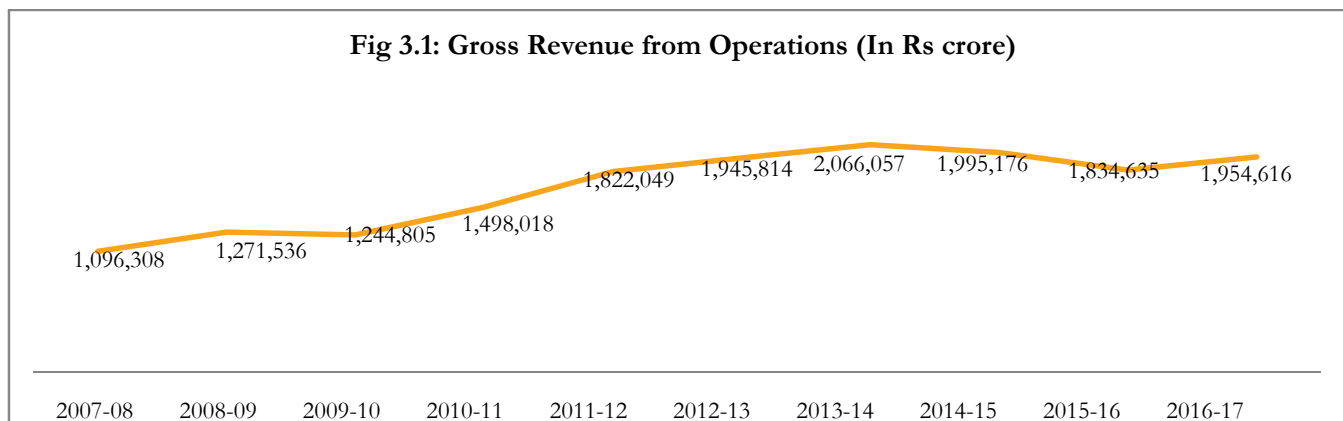
To ensure comparability and analysis of data, the aggregate Balance Sheets and Statements of Profit and Loss (for Cognate Groups, Sectors and all CPSEs) have been compiled in the PE Survey and presented in the format given in Division I of Schedule III of Companies Act 2013. To capture the data, common input data sheet has been used for both Ind AS and existing AS applicable CPSEs and the data for preparation of aggregate Balance Sheet and Statement of Profit and Loss has been captured from Data Sheets.

The presentation of financial information specific to Ind-AS applicable CPSEs in Volume – II of Public Enterprise Survey 2016-17 is made as per Division II of Schedule III of Companies Act, 2013 with minor modifications thereof.

It is pertinent to mention here IND-AS is applicable retrospectively from FY 2015-16 to give comparative Figures, IND-AS applicable CPSEs have restated their financial statements for FY 2015-16 as per IND-AS. Hence PE Survey 2016-17 covers the restated figures for FY 2015-16.

### 3.2 Gross Revenue from Operations

The gross revenue from operations of operating CPSEs has increased from ₹18,34,635 crore in 2015-16 to ₹19,54,616 crore in 2016-17 showing an increase of 6.54 % against decrease of (-) 8.05% in 2015-16. The movement of Gross Revenue from Operations over the last ten years can be seen in Fig 3.1. The Gross Revenue from Operations of all operating CPSEs has shown increasing trend except in FY 2009-10, 2014-15 and 2015-16.



#### 3.2.1 Sector-wise Gross Revenue from Operations of Operating CPSEs:

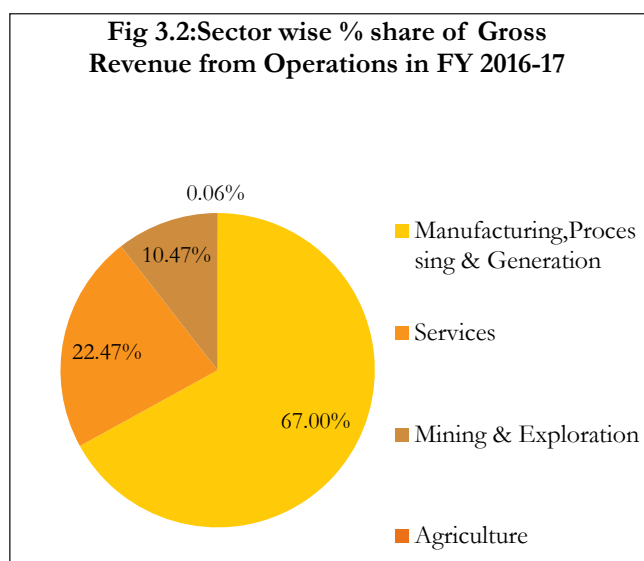
As seen in Table 3.1, largest increase in Gross Revenue from Operations in FY 2016-17 is observed in the Agriculture sector (34.95%), followed by

Manufacturing, Processing & Generation sector (10.29%) and Mining & Exploration (2.95%). The Services sector recorded a negative growth of 1.86 % in FY 2016-17 against 1.90% positive in previous year.

**Table 3.1: Sector-wise Gross Revenue from Operations**

Sector	Gross Revenue from Operations (₹in crore)			% change over previous year	
	2016-17	2015-16	2014-15	2016-17	2015-16
Agriculture	1247.84	924.69	1058.6	34.95	-12.65
Mining & Exploration	204688.33	198830.17	222647.45	2.95	-10.70
Manufacturing, Processing & Generation	1309541.29	1187406.88	1332325.4	10.29	-10.88
Services	439138.55	447472.99	439144.67	-1.86	1.90
<b>Total</b>	<b>1954616.01</b>	<b>1834634.73</b>	<b>1995176.1</b>	<b>6.54</b>	<b>-8.05</b>

As seen in Fig 3.2, maximum share of Gross Revenue from Operations has come from Manufacturing, Processing & Generation (67%), followed by Services (22.47%), Mining & Exploration (10.47%) and Agriculture (0.06%).



### 3.2.2 Cognate Group-wise Gross Revenue from Operations:

There were considerable variations within the cognate groups as well as among them. The Cognate

Group-wise Gross Revenue from Operations with percentage increase or decrease can be seen in Table 3.2 given below.

**Table 3.2: Cognate Group-wise Gross Revenue from Operations of CPSEs**

S. No.	Sector / Cognate Group	Gross Revenue from Operations (In ₹ crore)			% change over previous year	
		2016-17	2015-16	2014-15	2016-17	2015-16
AGRICULTURE						
1	Agro-based Industries	1247.84	924.69	1058.6	34.95	-12.65
	Sub Total :	<b>1247.84</b>	<b>924.69</b>	<b>1058.6</b>	<b>34.95</b>	<b>-12.65</b>
MINING & EXPLORATION						
2	Coal	83808.13	83560.98	86674.38	0.30	-3.59
3	Crude Oil	99045.42	98151.11	111732.35	0.91	-12.16
4	Other Minerals & Metals	21834.78	17118.08	24240.72	27.55	-29.38
	Sub Total :	<b>204688.33</b>	<b>198830.17</b>	<b>222647.45</b>	<b>2.95</b>	<b>-10.70</b>
MANUFACTURING, PROCESSING & GENERATION						
5	Steel	63306.13	55133.82	62500.83	14.82	-11.79
6	Petroleum (Refinery & Marketing)	1015208.64	920242.19	1059636.17	10.32	-13.15
7	Fertilizers	18616.18	19617.82	20714.3	-5.11	-5.29
8	Chemicals & Pharmaceuticals	7479.25	5491.26	1202.77	36.20	356.55
9	Heavy & Medium Engineering	77345.48	71246.84	71826.12	8.56	-0.81
10	Transportation Vehicle & Equipment	2834.66	3284.33	2999.17	-13.69	9.51
11	Industrial And Consumer Goods	8878.01	7624.95	7895.3	16.43	-3.42

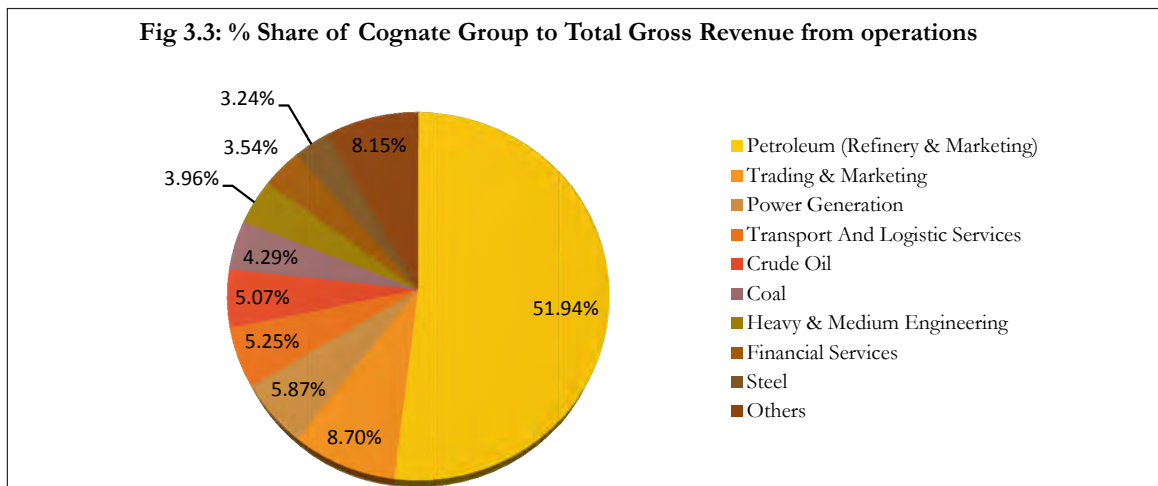


12	Textiles	1173.37	1173.23	1252.29	0.01	-6.31
13	Power Generation	114699.57	103592.44	104298.45	10.72	-0.68
	Sub Total :	<b>1309541.29</b>	<b>1187406.88</b>	<b>1332325.4</b>	<b>10.29</b>	<b>-10.88</b>
<b>SERVICES</b>						
14	Power Transmission	26035	20855.68	17343.27	24.83	20.25
15	Trading & Marketing	170066.79	189674.6	196008.89	-10.34	-3.23
16	Transport And Logistic Services	102654.53	102151.51	103993.6	0.49	-1.77
17	Contract & Construction And Tech. Consultancy Services	34779.14	30150.11	25631.15	15.35	17.63
18	Hotel And Tourist Services	1979.34	1887.42	1637.75	4.87	15.24
19	Financial Services	69100.17	68493.71	61783.65	0.89	10.86
20	Telecommunication & Information Technology	34523.58	34259.96	32746.36	0.77	4.62
	Sub Total :	<b>439138.55</b>	<b>447472.99</b>	<b>439144.67</b>	<b>-1.86</b>	<b>1.90</b>
	<b>Grand Total :</b>	<b>1954616.01</b>	<b>1834634.73</b>	<b>1995176.12</b>	<b>6.54</b>	<b>-8.05</b>

As shown in the Table 3.2, the maximum percentage increase in Gross Revenue from Operations in the FY 2016-17 is recorded by Chemicals & Pharmaceuticals cognate group (36.20%), followed by Agro-based Industries (34.95%) and Other Minerals & Metals (27.55%), Power Transmission (24.83%) and Industrial and Consumer Goods (16.43%) cognate groups. The reduction in Gross Revenue from Operations in FY 2016-17 is recorded in Transportation Vehicle

& Equipment cognate group (13.69%), Trading & Marketing (10.34%) and Fertilizers (5.11%) cognate groups.

As seen in Fig 3.3 top five contributing cognate groups are Petroleum (Refinery & Marketing) with 51.94% share followed by Trading & Marketing (8.70%), Power Generation (5.87%), Transport and Logistic Services (5.25%) and Crude Oil (5.07%). The top five cognate groups contribute 76.83 % of



total gross revenue from operations of all operating CPSEs. As earlier years, single cognate group namely Petroleum (Refinery & Marketing) has contributed more than 50% of total Gross Revenue from Operations of operating CPSEs.

### 3.3 Aggregate Profit and Loss of operating CPSEs

Aggregate net profit reported by all 257 operating CPSEs is ₹ 1,27,601.86 crore in FY 2016-17 as against ₹ 1,14,238.95 crore in the FY 2015-16, showing an

increase of 11.70% in 2016-17 as against increase of 11.05 % in 2015-16.

Detailed Statement of Profit and Loss of all Operating CPSEs with increase or decrease over previous year can be seen table 3.3

**Table 3.3: Aggregate Statement of Profit and Loss of operating CPSEs**

(In ₹ crore)			
<b>PARTICULARS</b>	<b>2016-17</b>	<b>2015-16</b>	<b>% change</b>
<b>(I) Revenue from Operations (Gross)</b>			
i. Sale of Products	1770166.04	1663947.72	6.38
ii. Sale of Services	144829.32	137584.54	5.26
iii. Other Operating Income	39620.65	33102.47	19.69
<b>Total (i+ii+iii)</b>	<b>1954616.01</b>	<b>1834634.73</b>	<b>6.54</b>
Less : Excise Duty	200073.34	136823.26	46.23
<b>Revenue from Operations (Net)</b>	<b>1754542.7</b>	<b>1697811.5</b>	<b>3.34</b>
(II) Other Income	67052.01	66301.33	1.13
<b>(III) Total Revenue (I+II)</b>	<b>1821594.7</b>	<b>1764112.8</b>	<b>3.26</b>
<b>(IV) Expenditure on:</b>			
(a) Cost of materials consumed	461179.16	420655.27	9.63
(b) Purchase of stock-in-trade	560913.13	554879.5	1.09
(c) Changes in inventories of finished goods, work-in-progress and stock in trade	-30807.15	9096.99	-438.65
(d) Stores & Spares	12140	11711.34	3.66
(e) Power & Fuel	86760.23	83500.45	3.90
(f) Salary, Wages & Benefits/Employees Expense	140376.82	127181.91	10.37
(g) Other Operating/direct/manufacturing Expenses	196447.56	190079.28	3.35
(h) Rent, Royalty & Cess	36834.72	34139.94	7.89
(i) Loss on sale of Assets/Investments	478.55	534.94	-10.54
(j) Other Expenses	59793.6	56876.31	5.13
<b>Total Expenditure (IV (a to j))</b>	<b>1524116.6</b>	<b>1488655.9</b>	<b>2.38</b>
<b>(V) PROFIT BEFORE DEPRECIATION, &amp; IMPAIRMENT, FINANCE CHARGES/INTEREST, EXCEPTIONAL &amp; EXTRAORDINARY ITEMS &amp; TAXES (PBDIEET)(III-IV)</b>	<b>297478.06</b>	<b>275456.88</b>	<b>7.99</b>
(VI) Depreciation, Depletion & Amortization	73287.37	67763.75	8.15
(VII) Impairment	-318.08	347.07	-191.65
<b>(VIII) PROFIT BEFORE FINANCE COST/INTEREST, EXCEPTIONAL, EXTRA-ORDINARY ITEMS &amp; TAXES (PBIEET) (V-VI-VII)</b>	<b>224508.77</b>	<b>207346.06</b>	<b>8.28</b>
<b>(IX) Finance Cost</b>			
(a) On Central Government Loans	1644.1	1555.21	5.72
(b) On Foreign Loans	5760.36	5833.05	-1.25
(c) Others	50503.32	54757.78	-7.77
(d) Less Finance Cost Capitalized	10802.65	10697.08	0.99
(e) Charged to P & L Account (a+b+c -d)	47105.13	51448.96	-8.44

<b>(X) PROFIT BEFORE EXCEPTIONAL &amp; EXTRA-ORDINARY ITEMS &amp; TAX (PBEET) (VIII-IXe)</b>	<b>177403.64</b>	<b>155897.1</b>	<b>13.80</b>
(XI) Exceptional Items	-3645.16	7766	-146.94
<b>(XII) PROFIT BEFORE EXTRA-ORDINARY ITEMS &amp; TAX (PBET)(X-XI)</b>	<b>181048.8</b>	<b>148131.1</b>	<b>22.22</b>
(XIII) Extra-Ordinary Items	-37.89	-9553.04	-99.60
<b>(XIV) PROFIT BEFORE TAX (PBT) (XII-XIII)</b>	<b>181086.69</b>	<b>157684.14</b>	<b>14.84</b>
(XV) TAX PROVISIONS	53266.15	43652.76	22.02
<b>(XVI) NET PROFIT / LOSS FOR THE PERIOD FROM CONTINUING OPERATIONS AFTER TAX (XIV-XV)</b>	<b>127820.54</b>	<b>114031.38</b>	<b>12.09</b>
(XVII) Profit/Loss from discontinuing operations	-219.06	207.2	-205.72
(XVIII) Tax expenses of discontinuing operations	-0.38	-0.37	2.70
(XIX) Profit/Loss from discontinuing operations (after Tax) (XVII-XVIII)	-218.68	207.57	-205.35
<b>(XX) Profit/Loss for the period (XVI+XIX)</b>	<b>127601.86</b>	<b>114238.95</b>	<b>11.70</b>

The net profit of profit making CPSEs has registered growth of 5.28 % in 2016-17, which has increased to ₹1,52,647 crore in 2016-17 from ₹1,44,998 crore in 2015-16. The loss of loss incurring CPSEs, on the other hand, was ₹25,045.49 crore in 2016-17 as compared to ₹30,759 crore in 2015-16. 82 CPSEs reported losses in 2016-17 as against 79 CPSEs in 2015-16. 174 enterprises earned profit in 2016-17 as against 164 enterprises in 2015-16. One enterprise namely Food Corporation of India neither earned profit nor incurred loss during both the years because the excess of expenditure over revenue is reimbursed to FCI as food subsidy by the Government of India

### 3.3.1 Sector and Cognate Group-wise Profit and Loss of CPSEs

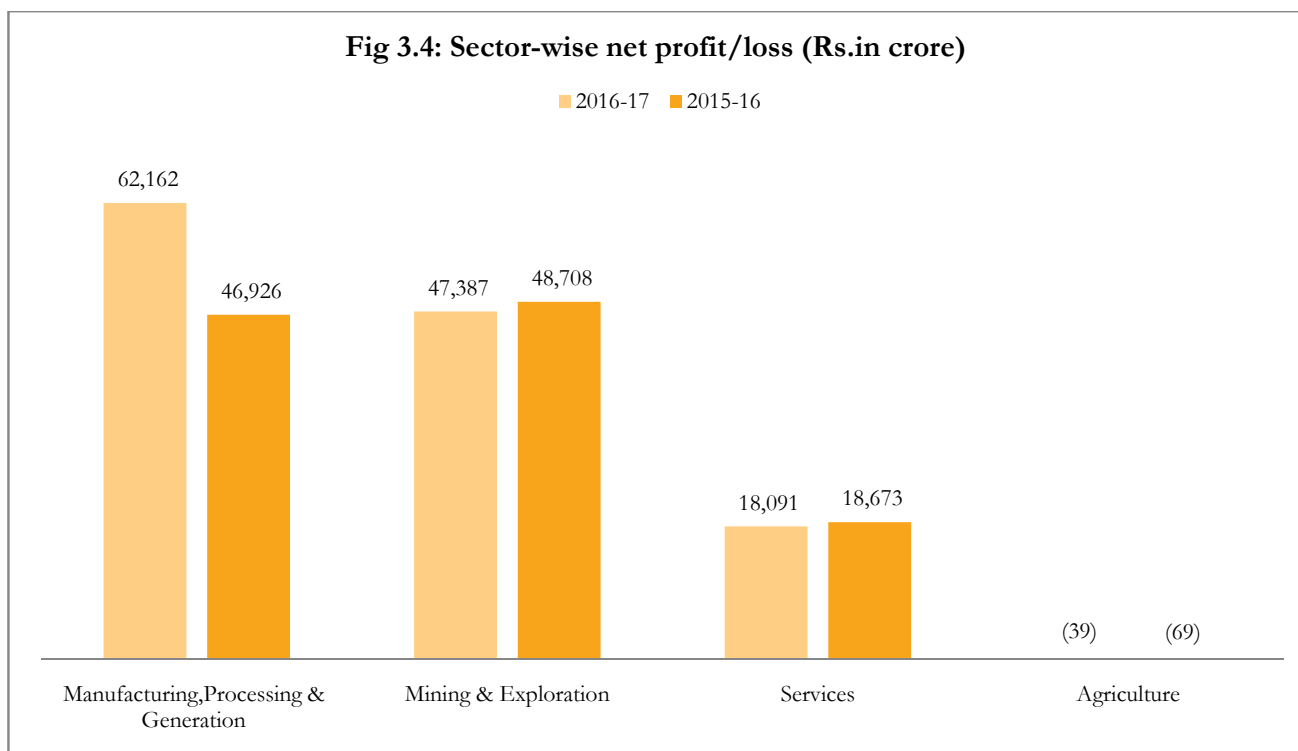
The maximum contribution to overall net profit/loss of operating CPSEs has come from Manufacturing, Processing & Generation Sector (48.72%), followed by Mining & Exploration (37.14%), Services (14.18%). The contribution of Agriculture sector is negative (-0.03%)

The Sector and Group - wise overall net profit/loss with increase or decrease percentage can be seen in Table 3.4 given below.

**Table 3.4: Sector and Cognate Group-wise Net Profit and Loss of CPSEs**

S. No.	Sector / Cognate Group	Net Profit Loss(-) (₹ in crore)			% change over previous year	
		2016-17	2015-16	2014-15	2016-17	2015-16
<b>AGRICULTURE</b>						
1	Agro-based Industries	-38.64	-68.71	-109.45	-43.76	-37.22
	<b>Sub - Total</b>	<b>-38.64</b>	<b>-68.71</b>	<b>-109.45</b>	<b>-43.76</b>	<b>-37.22</b>
<b>MINING AND EXPLORATION</b>						
2	Coal	23582.95	30361.04	26717.88	-22.32	13.64
3	Crude Oil	19928.17	14696.73	22115.16	35.60	-33.54
4	Other Minerals & Metals	3876.06	3650.47	8303.99	6.18	-56.04
	<b>Sub - Total</b>	<b>47387.18</b>	<b>48708.24</b>	<b>57137.03</b>	<b>-2.71</b>	<b>-14.75</b>
<b>MANUFACTURING, PROCESSING AND GENERATION</b>						
5	Steel	-3946.34	-5466.19	2274.29	-27.80	-340.35
6	Petroleum (Refinery & Marketing)	40128.5	25123.38	12057.89	59.73	108.36
7	Fertilizers	216.4	9106.82	270.05	-97.62	3272.27

8	Chemicals & Pharmaceuticals	-1378.41	-1357.73	-477.47	1.52	184.36
9	Heavy & Medium Engineering	8281.36	2990.4	3949.62	176.93	-24.29
10	Transportation Vehicle & Equipment	84.45	63.66	6.76	32.66	841.72
11	Industrial And Consumer Goods	-2689.14	-2529.28	-2818.09	6.32	-10.25
12	Textiles	868.08	-89.57	-417.53	1069.16	-78.55
13	Power Generation	20597.34	19084.73	19665.9	7.93	-2.96
	<b>Sub - Total</b>	<b>62162.24</b>	<b>46926.22</b>	<b>34511.42</b>	<b>32.47</b>	<b>35.97</b>
	<b>SERVICES</b>					
14	Power Transmission	7555.13	6017.57	5062.74	25.55	18.86
15	Trading & Marketing	-143.28	-996.77	80.32	-85.63	-1341.00
16	Transport And Logistic Services	4423.37	3217.09	613.96	37.50	423.99
17	Contract & Construction And Tech. Consultancy Services	2420.39	2252.21	2226.63	7.47	1.15
18	Hotel And Tourist Services	165.1	156.34	111.29	5.60	40.48
19	Financial Services	11116.02	14618.02	14164.66	-23.96	3.20
20	Telecommunication & Information Technology	-7445.65	-6591.26	-10932.65	12.96	-39.71
	<b>Sub - Total</b>	<b>18091.08</b>	<b>18673.2</b>	<b>11326.95</b>	<b>-3.12</b>	<b>64.86</b>
	<b>Grand Total</b>	<b>127601.9</b>	<b>114239</b>	<b>102866</b>	<b>11.70</b>	<b>11.06</b>



As observed in the Fig 3.4, amongst the sectors, only Manufacturing, Processing & Generation sector (32.47%) has registered increase in net profit for the FY 2016-17, while other sectors namely Mining & Exploration, Services has registered decrease in Net Profit/Loss of 2.71% and 3.12%. (Table 3.4). The net

loss of Agriculture sector has reduced by 43.76%. (Fig 3.4)

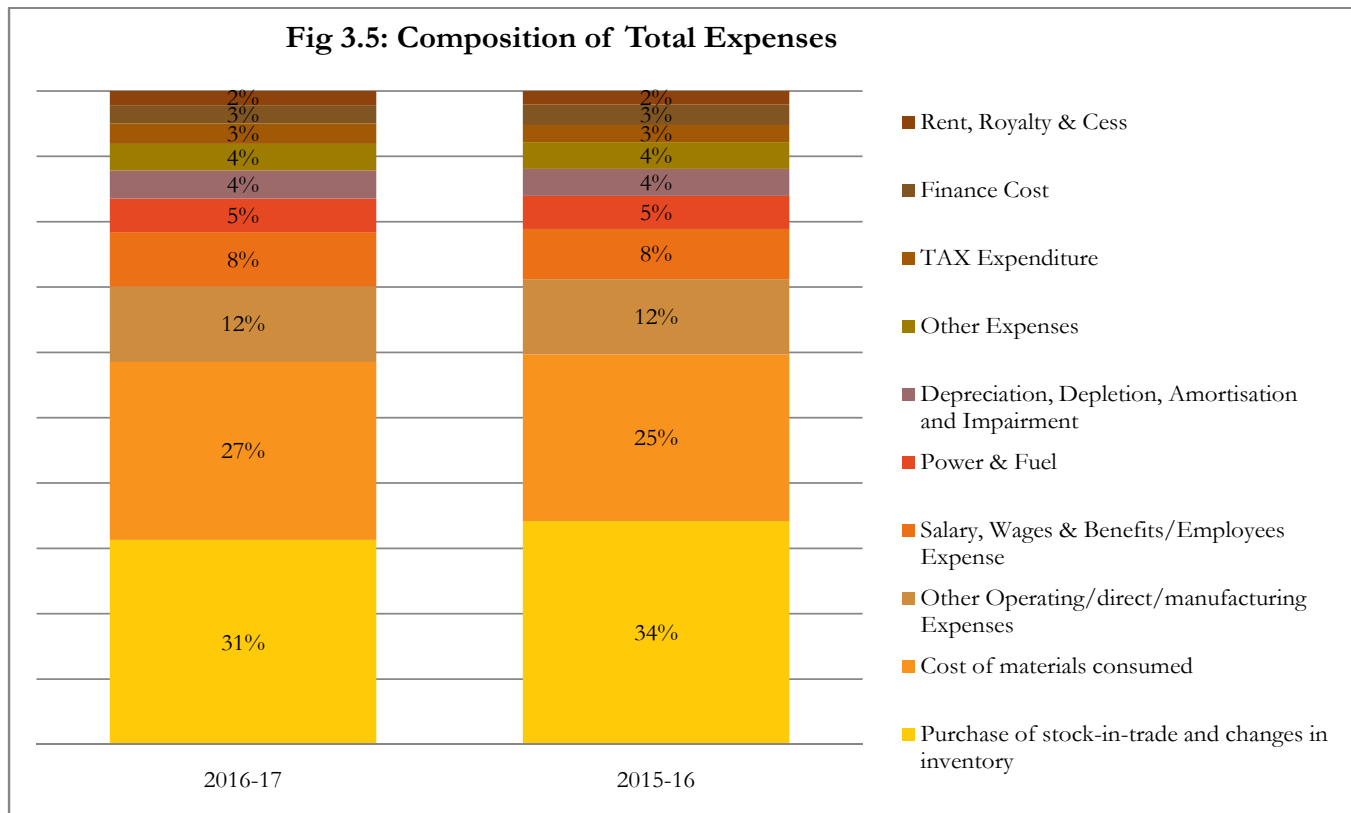
### 3.3.2 Composition of Total Expenses:

The total expenses excluding Excise duty and expenditure on discontinued operations, recorded by

CPSEs for the FY 2016-17 is ₹16,93,774 crore against ₹16,50,081 crore in FY 2015-16 showing an increase by 2.65%.

As seen in Fig 3.5 major expenditure heads incurred by CPSEs in FY 2016-17 are purchase of stock in trade and changes in inventory (31%),

followed by cost of materials consumed (27%) , Other Operating Expenses (12%), Salaries, Wages & Benefits/Employees Expenses (8%), Power & Fuel (5%), Depreciation, Depletion, Amortization and Impairment (4%). Finance cost and Tax expenditure share 3% each.



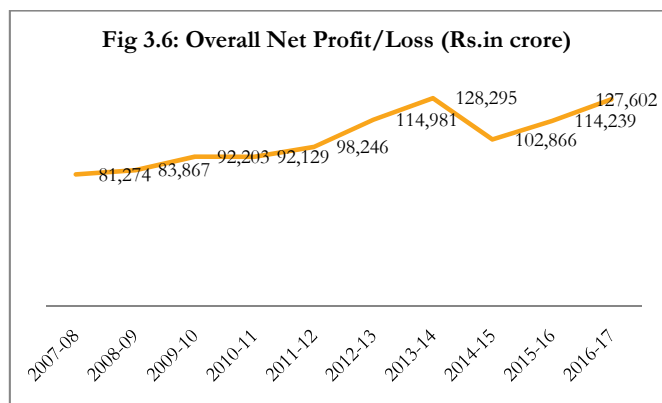
### 3.4 Macro View of Performance of Operating CPSEs

<b>Box 3.1: Macro View of Performance of CPSEs (₹in crore)</b>										
Particulars	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
No. of Operating CPSEs	214	213	217	220	225	230	234	236	244	257
Capital Employed	724,009	792,232	908,007	1,153,833	1,337,821	1,508,177	1,710,453	1,833,274	2,037,318	2,144,924
Total Gross Turnover	1,096,308	1,271,536	1,244,805	1,498,018	1,822,049	1,945,814	2,066,057	1,995,176	1,834,635	1,954,616
Total Net Income/Revenue	1,102,772	1,309,639	1,272,219	1,470,569	1,804,614	1,931,186	2,056,336	1,965,638	1,764,113	1,821,595
Net worth	518,485	583,144	652,993	709,498	776,162	850,921	926,663	962,518	1,079,953	1,107,981
Profit before dep., Impairment, Int, Exc., Items & Taxes (PBDIEET)	195,049	186,836	211,184	216,602	250,654	255,936	289,361	270,400	275,457	297,478
Depreciation, Depletion & Amortization	42,470	44,441	51,168	57,118	63,591	66,109	69,817	77,500	67,764	73,287
DRE/Impairment	5,802	7,661	9,565	187	154	436	851	554	347	(318)
Profit before Int, Exc. Items, Ex, Or. Items & Taxes (PBIEET) (6-7-8)	152,579	142,395	160,017	159,298	186,910	189,390	218,693	192,346	207,346	224,509

Interest	32,126	39,300	36,060	26,521	36,152	38,184	51,638	44,942	51,449	47,105
Profit before Exc. Items, Ex.Or. Items & Taxes (PBEEIT) (9-10)	120,453	103,095	123,957	132,777	150,758	151,207	167,055	147,412	155,897	177,404
Exceptional Items	-	-	-	(1,479)	3,957	(13,525)	(14,618)	(1,335)	7,766	(3,645)
Profit before Ex.Or. Items & Taxes(PBET) (11+-12)	-	-	-	134,256	146,801	164,732	181,673	148,747	148,131	181,049
Extra-Ordinary Items	(2,549)	(2,684)	(8,280)	(2,695)	(428)	(1,276)	(1,550)	(1,394)	(9,553)	(38)
Profit before Taxes(PBT) (13+-14)	122,023	117,695	132,222	136,951	147,230	166,008	183,223	150,141	157,684	181,087
Tax Provisions	40,749	33,828	40,018	44,871	48,985	51,025	55,178	47,230	43,653	53,266
Net Profit/Loss after Tax from Continuing Operations (15-16)	81,274	83,867	92,203	92,079	98,245	114,982	128,045	102,911	114,031	127,821
Net Profit/Loss after Tax from Discontinuing Operations	-	-	-	49	1	(1)	250	(45)	208	(219)
Overall Net Profit/Loss (17+-18)	81,274	83,867	92,203	92,129	98,246	114,981	128,295	102,866	114,239	127,602
Profit of Profit-making CPSEs	91,577	98,488	108,434	113,944	125,929	143,543	149,636	130,364	144,998	152,647
Loss of Loss-making CPSEs	(10,303)	(14,621)	(16,231)	(21,816)	(27,683)	(28,562)	(21,341)	(27,498)	(30,759)	(25,045)
Profit -making CPSEs (No.)	160	158	157	158	161	151	164	159	164	174
Loss -making CPSEs (No.)	54	55	60	62	64	78	70	76	79	82
CPSEs making no Profit/Loss (No.)	-	-	-	-	-	1	-	1	1	1
Dividend	28,123	25,501	33,223	35,700	42,627	49,703	65,115	56,527	68,583	78,133
Dividend Tax	4,722	4,132	5,151	5,372	5,877	6,704	8,709	8,642	10,598	14,477

### 3.4.1 Overall Net Profit/Loss:

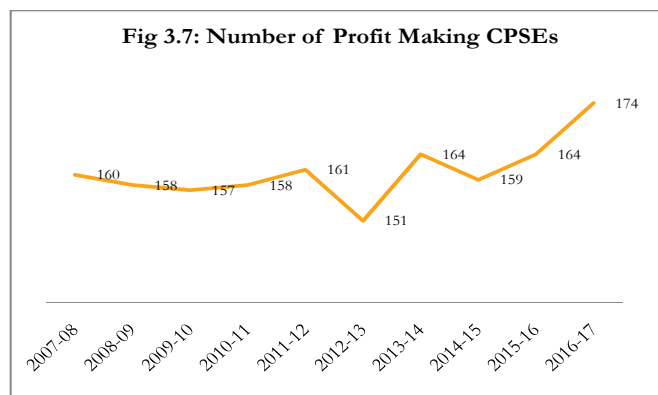
As seen in Fig 3.6 the overall net profit of operating CPSEs has shown broadly increasing trend over the years except in FY 2014-15. The net profit of operating CPSEs has increased from ₹81,274 crore in FY 2007-08 to 1,27,602 crore in FY 2016-17.



### 3.4.2 Profit Making CPSEs

The profit of profit making CPSEs stands at ₹1,52,647 crore in FY 2016-17 as compared to

₹ 1,44,998 crore showing an increase of 5.28%. As seen in Fig 3.7, the number of profit making CPSEs has steadily increased from FY 2014-15. The number of profit making CPSEs stood at 174 in FY 2016-17 vis-a-vis 164 in FY 2015-16.

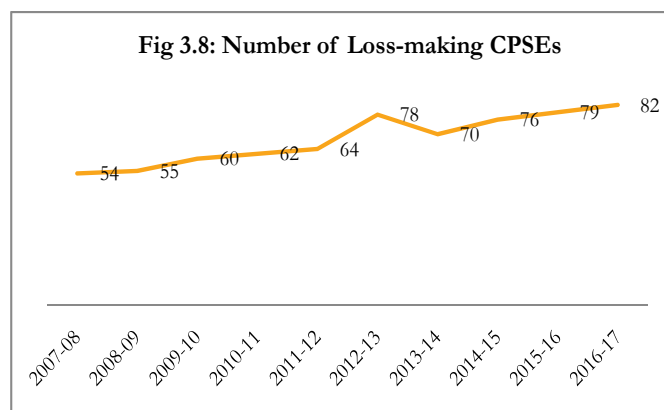


### 3.4.3 Loss Making CPSEs

The loss of loss making CPSEs stands at ₹ 25,045 crore in FY 2016-17 as compared to ₹ 30,759 crore in FY 2015-16 showing decrease of 18.58%. However the number of loss making CPSEs has increased from



79 to 82 in FY 2015-16. The number of loss making CPSEs has shown broadly increasing trend expect in FY 2013-14(Fig 3.8).



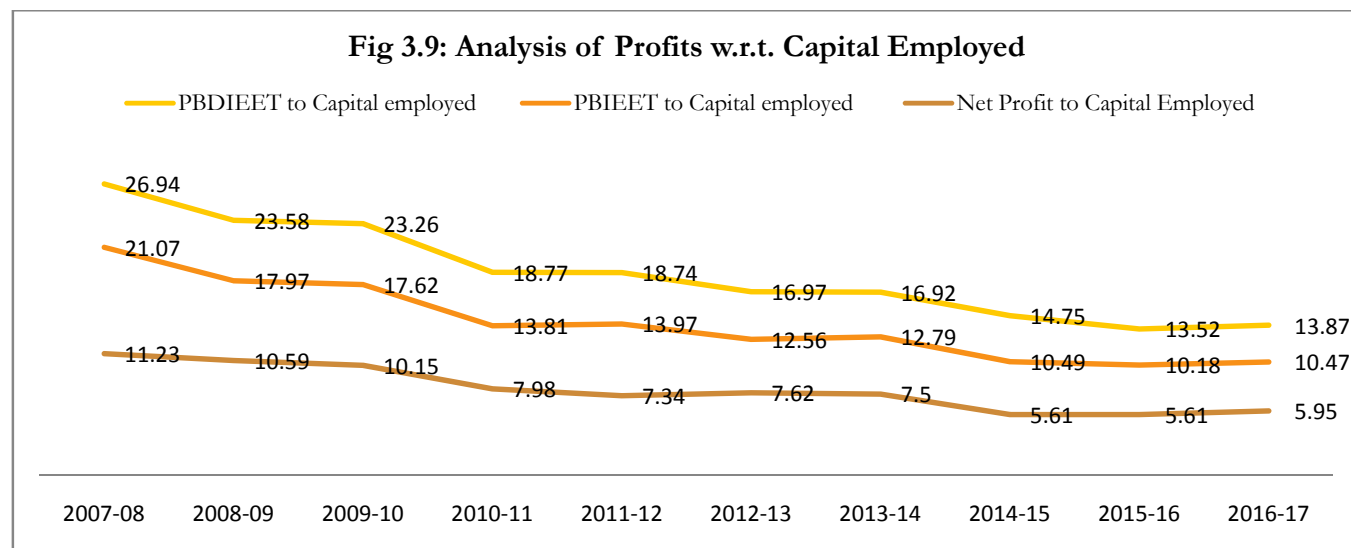
### 3.4.4 Profitability Indicators

Box 3.2 and Fig 3.9 below depict different Financial Ratios (net revenue from operations to capital employed, PBDIEET to capital employed, PBET to capital employed, PBDIEET to total net income, PBIIEET to capital employed, PBIIEET to total revenue, PBEET to total revenue, net profit to total revenue, net profit to capital employed, net profit to net worth, dividend payout ratio, tax provision to PBEET, intrust to PBIIEET, current ratio and debt/equity ratio) relating to the aggregate performance of operating CPSEs, for the last ten years i.e. from financial year 2007-08 to 2016-17.

**Box 3.2: Profitability ratios of Operating CPSEs**

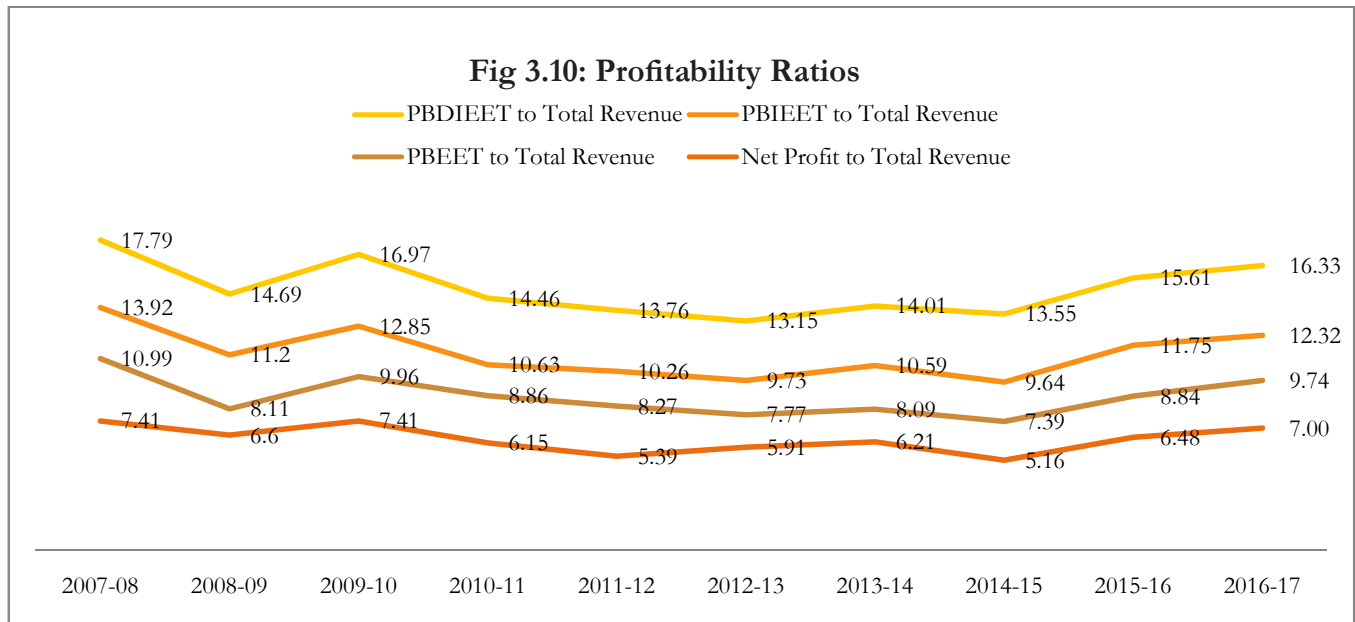
Particulars	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
Net Revenue from Operations to Capital employed (%)	151.42	160.5	137.09	129.83	136.2	129.02	120.79	108.83	83.34	81.80
PBDIEET to Capital employed (%)	26.94	23.58	23.26	18.77	18.74	16.97	16.92	14.75	13.52	13.87
PBET to Net worth (%)	15.37	11.88	12.85	18.92	18.91	19.36	19.61	15.45	13.72	16.34
PBDIEET to Total Net Income (%)	17.79	14.69	16.97	14.46	13.76	13.15	14.01	13.55	15.61	16.33
PBIIEET to Capital employed (%)	21.07	17.97	17.62	13.81	13.97	12.56	12.79	10.49	10.18	10.47
PBIIEET to Total Revenue (%)	13.92	11.2	12.85	10.63	10.26	9.73	10.59	9.64	11.75	12.32
PBEET to Total Revenue (%)	10.99	8.11	9.96	8.86	8.27	7.77	8.09	7.39	8.84	9.74
Net Profit to Total Revenue (%)	7.41	6.6	7.41	6.15	5.39	5.91	6.21	5.16	6.48	7.00
Net Profit to Capital Employed (%)	11.23	10.59	10.15	7.98	7.34	7.62	7.5	5.61	5.61	5.95
Net Profit to Net Worth (%)	15.68	14.38	14.12	12.99	12.66	13.51	13.84	10.69	10.58	11.52
Dividend Payout Ratio (%)	35.33	31.07	36.32	38.75	43.39	43.23	50.75	54.95	60.03	61.23
Tax Provision to PBEET (%)	33.83	32.81	32.28	33.79	32.49	33.75	33.03	32.04	28.00	30.03
Interest to PBIIEET (%)	21.06	27.6	22.53	16.65	19.34	20.16	23.61	23.36	24.81	20.98
Current Ratio	1.93	1.88	1.83	1.23	1.23	1.21	1.19	1.16	1.14	1.11
Debt/Equity Ratio	2.43	2.69	2.98	2.95	3.63	3.86	4.25	4.44	4.75	4.50

**Fig 3.9: Analysis of Profits w.r.t. Capital Employed**



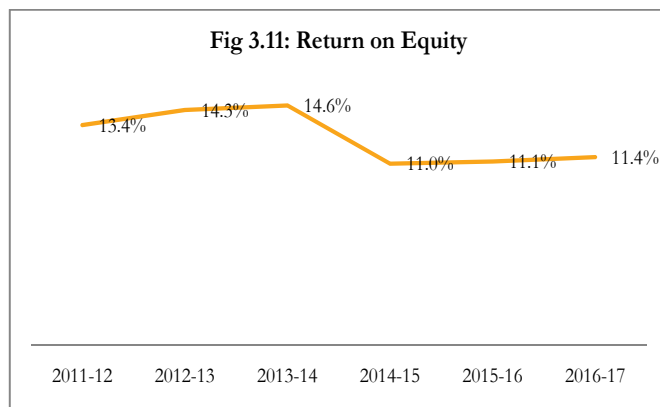
### 3.5 Profitability Margins:

Analysis of profitability margins in Fig 3.10 shows mixed trends over the years. However, profitability margins are improving steadily from the last three years i.e. since FY 2014-15.



#### 3.5.1 Return on Equity of Operating CPSEs

Return on Equity measures the profitability of capital funds invested in the firm. This ratio reveals how profitably of the owners' funds have been utilised by the firm. RoE has been calculated by dividing Net Profit/Loss after tax from Continuing Operations with Average Shareholder's funds.

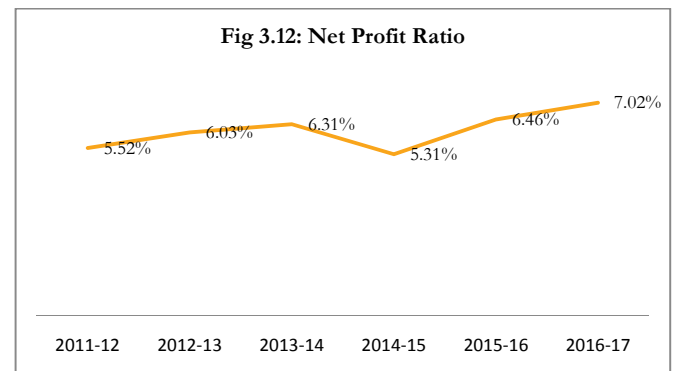


#### 3.5.2 Profitability/Net Profit Ratio:

The Net Profit Margin is the after- tax profit a company generates for each rupee of revenue. Net profit margin is a safety cushion; the lower the margin, lesser the room for error. Small mistakes on management's part could lead to tremendous losses with little or no warning.

Net Profit Ratio measures the relationship between net profit and sales of the business. Net Profit reflects the proportion of revenue that finds its way into profits. A high net profit ratio will ensure positive returns of the business. Net Profit ratio is computed as Net Profit after Taxes of Continuing Operations divided by Total Revenue.

Net Profit Ratio of operating CPSEs stood at 7.02% in FY 2016-17, increased from 6.46% in FY 2015-16 and

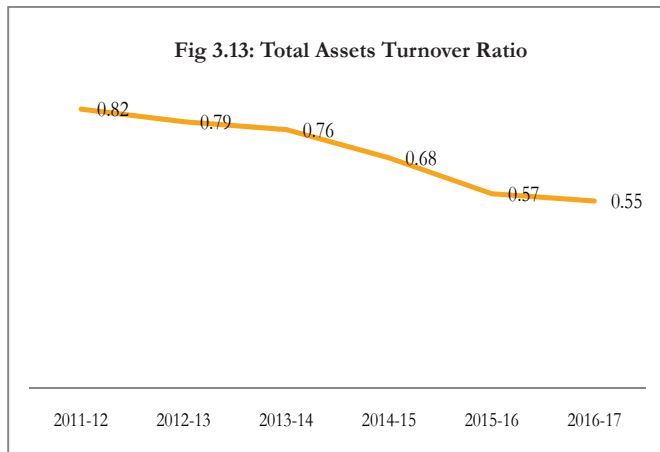


5.31% in FY 2014-15. As seen in the Fig 3.12, the Net Profit Ratio of the CPSEs has improved over the years from 5.52% in FY 2010-11 to 7.02% in FY 2016-17.

#### 3.5.3 Total Assets Turnover Ratio

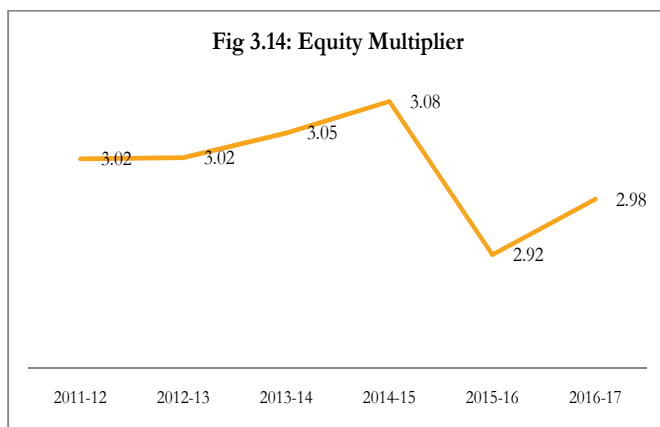
The Total Asset Turnover Ratio is a measure of how effectively a company converts its assets into sales.

The Total Assets Turnover Ratio is computed by dividing Total Revenue with Average Total Assets. The Assets Turnover Ratio has shown broadly decreasing trend over the years resembling decrease in efficiency of CPSEs in utilising the assets to generate revenue. The Assets Turnover has reduced from 0.82 in FY 2011-12 to 0.55 in FY 2016-17 showing a decrease of 32.93%(Fig 3.13).



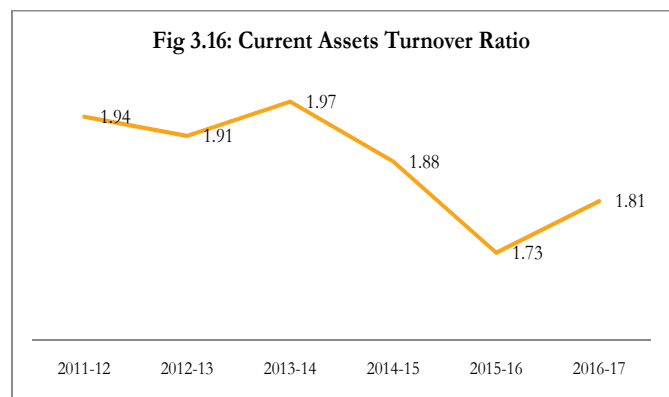
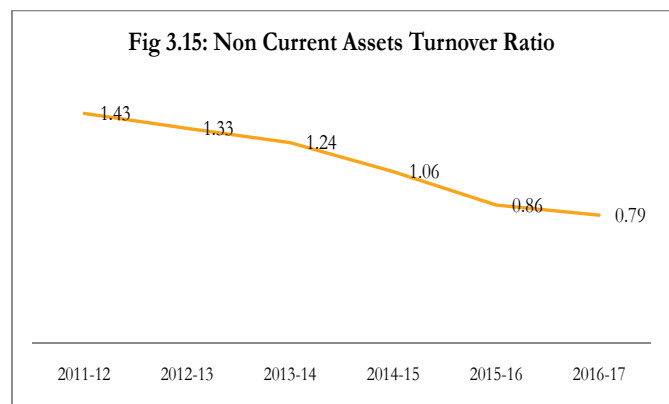
### 3.5.4 Equity Multiplier/Leverage

The equity multiplier, a measure of financial leverage, allows the investor to see what portion of the return on equity is the result of debt. The equity multiplier is calculated by dividing the Average Total Assets with Average Total Shareholder's Funds. It reflects the ability of company to use fixed financial charges to increase the returns to shareholders. As seen in the Fig 3.14, the equity multiplier has not shown drastic change over the years and has decreased from 3.02 in FY 2011-12 to 2.98 in FY 2016-17 showing a decrease by 1.32%.



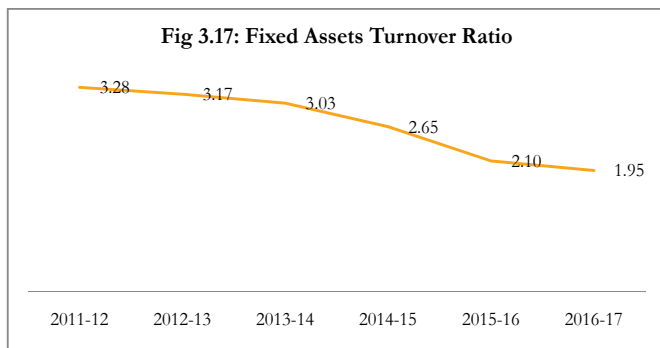
As seen in the above, the major reasons for decrease in Return on Equity is the reduction in total Assets Turnover ratio i.e. Assets Use Efficiency in generating Revenue. The total Assets Turnover ratio has reduced from 0.82 in FY 2011-12 to 0.55 in FY 2016-17 showing decrease by 32.93 %.

A further breakdown of Assets Turnover Ratio into Non-Current Assets Turnover and Current Assets Turnover below in Fig 3.15 and Fig 3.16 leads to conclusion that the reduction is mainly in Non-Current Assets usage. Over the years the revenue generated using the Non-Current Assets has shown decrease from 1.43 times in FY 2011-12 to 0.79 times in FY 2016-17 (Decrease of 44.78%) (Fig 3.15.)



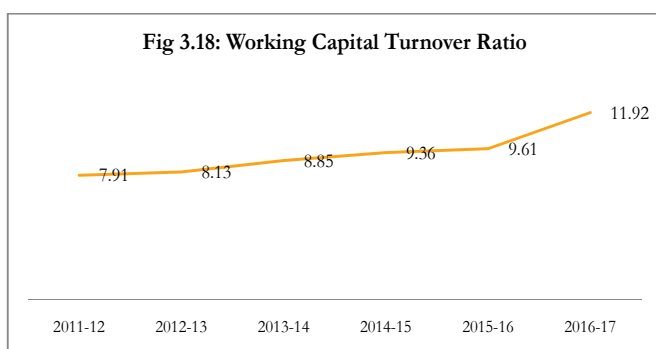
### 3.5.5 Fixed Assets Turnover Ratio

This ratio establishes the relationship between Gross Revenue from Operations during the year and Fixed Assets. This ratio is computed by dividing Gross Revenue from Operations with Average Net Fixed Assets. It reflects the number of times revenue is generated using the fixed assets of company. As seen in Fig 3.17 below, the ratio decreased from 3.28 in FY 2011-12 to 1.95 in FY 2016-17 showing a decrease of 40.55%.



### 3.5.6 Working Capital Turnover Ratio

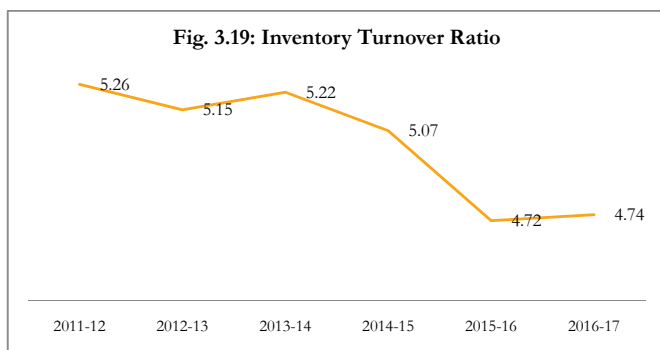
This ratio establishes the relationship between the Cost of Goods Sold during the year and Working Capital during the year. It measures the efficiency in using the working capital. As seen in Fig 3.18, the Working Capital Turnover has increased from 7.91 in FY 2011-12 to 11.92 in FY 2016-17 showing an increase of 50.70 %.



### 3.5.7 Inventory Turnover Ratio

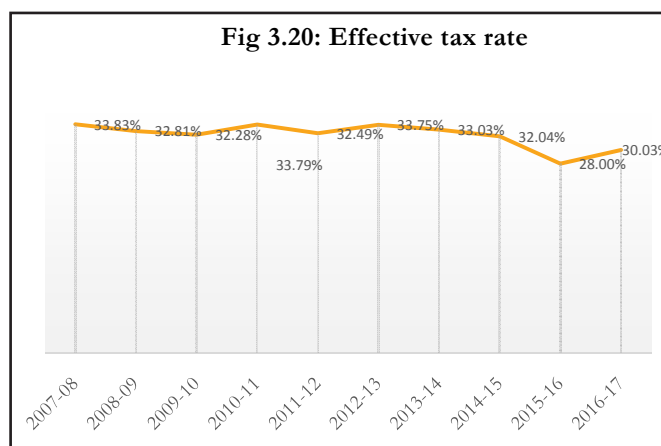
Inventory turnover ratio establishes the relationship between the cost of goods sold during the year and average inventory held during the year. It measures the efficiency with which a firm utilizes or manages its inventory. It is computed by dividing Cost of Goods Sold with Average Inventory.

As seen in the Fig 3.19 below, the Inventory Turnover Ratio has decreased from 5.26 in FY 2011-12 to 4.74 in FY 2016-17 showing a decrease of 9.89 %.



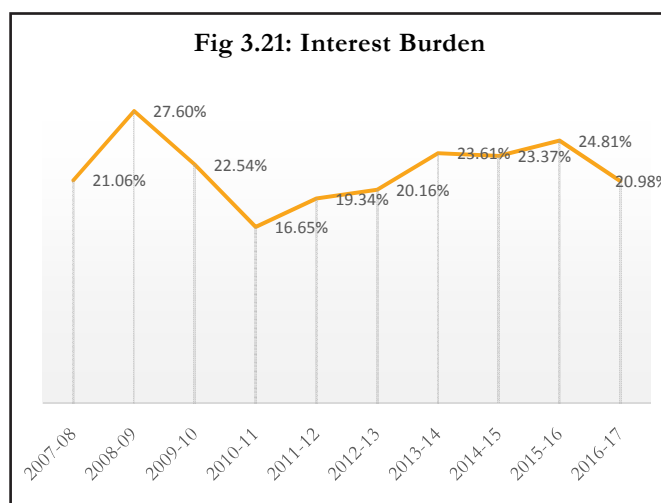
### 3.5.8 Effective Tax Rate

The effective tax rate is the net rate a taxpayer pays if all forms of taxes are included and divided by taxable income. The effective tax rate is often a more accurate representation of tax payer's tax liability than its marginal tax rate. The effective tax rate is arrived by dividing the Tax Provisions with Profit Before Exceptional & Extra-Ordinary Items & Tax. In terms of 'Effective Tax Rate', the tax burden on CPSEs was 30.03 % in 2016-17 (an increase of 7.25% from 2015-16 when it was 28.00%). The trend of effective tax rate can be seen in Fig 3.20.



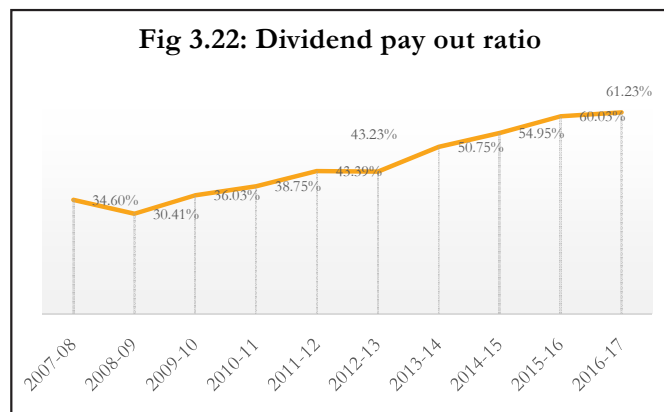
### 3.5.9 Interest Burden

Interest Burden on CPSEs is measured as Interest Expenditure to Profit Before Interest, Exceptional, Extra-Ordinary Items & Taxes (PBIIEET). The Interest Burden on CPSEs has decreased from 24.81% in FY 2015-16 to 20.98% in FY 16-17. The trend of Interest burden on CPSEs is mixed and can be seen in Fig 3.21.



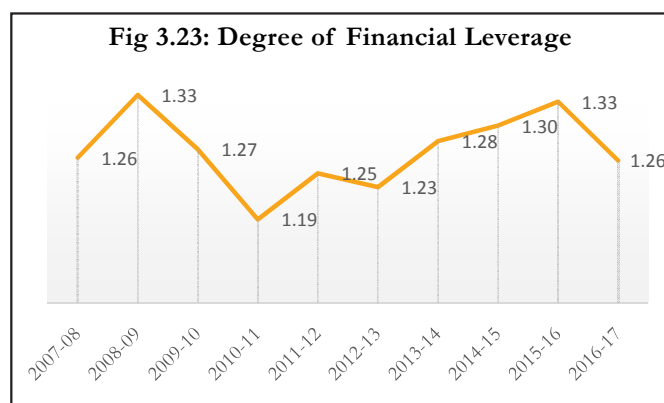
### 3.5.10 Dividend Pay-out Ratio:

The Dividend Pay-out Ratio of CPSEs is measured as Dividend declared/Paid divided excluding the Dividend Distribution Tax by Net Profit/Loss. As seen in Fig 3.22., the dividend pay-out ratio has increased steadily over the years. The dividend pay-out ratio for FY 2016-17 is 61.23% increased from 60.03% in FY 2015-16.



### 3.5.11 Financial Leverage:

Financial Leverage (FL) is the ability of the company to use fixed financial charges (Interest Cost) to magnify the effect of changes in Earnings before Interest and Tax (EBIT) on Earnings per share i.e. earnings available to share Holders. Degree of Financial Leverage (DFL) is calculated as Profit before Interest and Tax divided by Profit before Tax. As seen in Fig 3.23, the DFL has shown mixed trend over the years. It has shown reduction in FY 2016-17, being at 1.26 reduced from 1.33 in FY 2015-16.

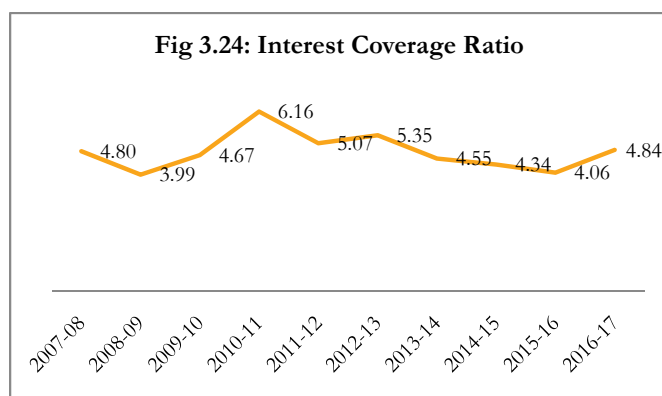


### 3.5.12 Interest Coverage Ratio (ICR)

This ratio also known as “Times Interest Earned Ratio” indicates the firm’s ability to meet interest (and other fixed-charges) obligations. This ratio indicates the extent to which earnings may fall without causing

any embarrassment to the firm regarding the payment of interest charges. A high interest coverage ratio means that an enterprise can easily meet its interest obligations even if earnings before interest and taxes suffer a considerable decline. A lower ratio indicates excessive use of debt or inefficient operations. It is calculated as Profit before Interest and Taxes divided by Interest cost.

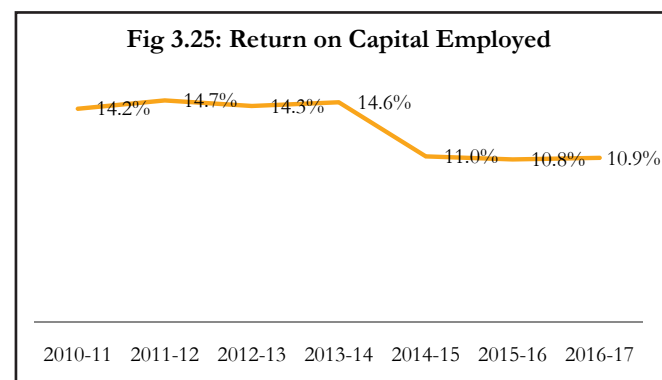
Interest Coverage Ratio for the FY 2016-17 stands at 4.84, with an increase from 4.06 in FY 2015-16. It is partly due to reduction in interest cost and increase in Profits before Interest and Tax. The Movement of ICR over the past 10 years can be seen at Fig 3.24.



### 3.5.13 Return on Capital Employed

Return on Capital Employed (ROCE) is a financial ratio that measures a company’s profitability and the efficiency with which its capital is employed. ROCE is calculated as Profits Before Interest and Tax (PBIT) / Average Capital Employed.

As seen in the Fig 3.25 ROCE has decreased over the years from 14.2% in FY 2010-11 to 10.9% in FY 2016-17.



### 3.6 Aggregate Balance Sheet of Operating CPSEs

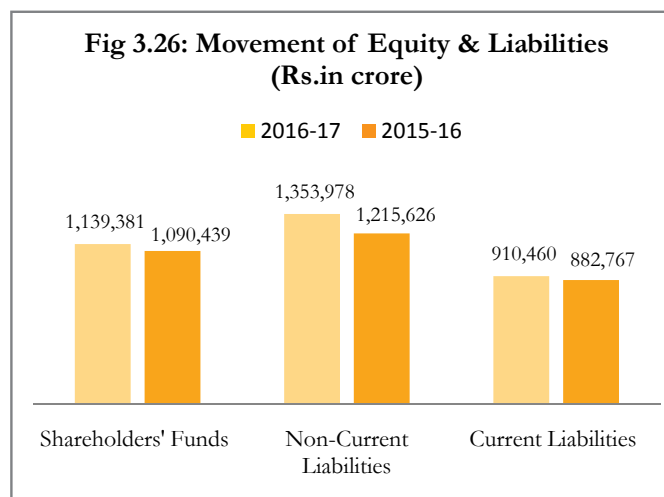
Table 3.5: Aggregate Balance Sheet of Operating CPSEs

BALANCE SHEET PARTICULARS	(In ₹ crore)		% change
	As on 31.03.17	As on 31.03.2016	
<b>I. EQUITY &amp; LIABILITIES</b>			
<b>AUTHORISED CAPITAL</b>	<b>421,772.48</b>	<b>335,016.94</b>	<b>25.90</b>
<b>(1) Shareholders' Funds</b>			
(a) Share Capital			
(i) Central Govt	151,116.16	137,737.57	9.71
(ii) Others	65,037.22	54,362.89	19.64
(b) Reserves & Surplus	923,227.49	898,338.92	2.77
(c) Money received against share warrants	-	-	-
<b>Total Shareholders' Funds (1(a)+1(b)+1(c))</b>	<b>1,139,380.87</b>	<b>1,090,439.38</b>	<b>4.49</b>
<b>(2) Share application money pending allotment</b>	<b>5,960.62</b>	<b>6,146.16</b>	<b>-3.02</b>
<b>(3) Non-current Liabilities</b>			
(a) Long Term Borrowings	999,583.02	940,732.55	6.26
(b) Deferred tax liabilities (Net)	73,279.80	65,748.75	11.45
(c) Other Long-term liabilities	167,722.55	100,728.23	66.51
(d) Long-term provisions	113,393.01	108,416.40	4.59
<b>Total Non-Current Liabilities 3(a) to 3(d)</b>	<b>1,353,978.38</b>	<b>1,215,625.93</b>	<b>11.38</b>
<b>(4) Current Liabilities</b>			
(a) Short Term Borrowings	231,723.53	224,507.49	3.21
(b) Trade Payables	173,864.03	176,684.78	-1.60
(c) Other current liabilities	436,041.30	429,858.93	1.44
(d) Short-term provisions	68,831.59	51,715.49	33.10
<b>Total Current Liabilities 4(a) to 4(d)</b>	<b>910,460.45</b>	<b>882,766.69</b>	<b>3.14</b>
<b>TOTAL EQUITY &amp; LIABILITIES (1+2+3+4)</b>	<b>3,409,780.32</b>	<b>3,194,978.16</b>	<b>6.72</b>
<b>II. ASSETS</b>			
<b>(1) Non-Current Assets</b>			
(a) Total Gross Fixed Assets	1,442,901.85	1,306,387.20	10.45
(ai) Accumulated Depreciation, Depletion & Amortization	387,782.11	340,765.46	13.80
(aii) Accumulated Impairment	5,534.91	5,621.69	-1.54
(b) Total Net Fixed Assets ((a)-(ai)-(aii))	1,049,584.83	960,000.05	9.33
(c) Capital work in progress	301,640.13	303,822.60	-0.72
(d) Intangible assets under development	41,824.58	39,415.98	6.11
(e) Non-Current Investments	225,051.47	170,528.87	31.97
(f) Deferred Tax Assets (Net)	24,571.31	19,809.86	24.04
(g) Long Term Loans and Advances	692,948.52	639,330.00	8.39
(h) Other Non-Current Assets	67,834.12	60,104.70	12.86
<b>Total Non-Current Assets (b+c+d+e+f+g+h)</b>	<b>2,403,454.96</b>	<b>2,193,012.05</b>	<b>9.60</b>
<b>(2) Current Assets</b>			
(a) Current Investments	28,555.79	25,271.85	12.99
(b) Inventories	285,216.11	257,768.29	10.65
(c) Trade Receivables	238,076.15	200,060.62	19.00
(d) Cash & Bank Balance	194,802.45	239,170.73	-18.55
(e) Short-term Loans & Advances	48,456.06	43,309.91	11.88
(f) Other Current Assets	211,218.80	236,384.71	-10.65
<b>Total Current Assets (a+b+c+d+e+f)</b>	<b>1,006,325.36</b>	<b>1,001,966.11</b>	<b>0.44</b>
<b>TOTAL ASSETS (1+2)</b>	<b>3,409,780.32</b>	<b>3,194,978.16</b>	<b>6.72</b>



Total Equity and Liabilities/ Total Assets of all operating CPSEs stood at ₹34,09,780 crores as on 31.03.2017 against ₹31,94,978 crore recording an increase of 6.72%. As seen in the Table 3.5 maximum increase is noted in Other Long Term Liabilities (66.51%), followed by Short Term Provisions (33.10%), Non-Current Investment (31.97%) and Deferred Tax Assets (24.04%).

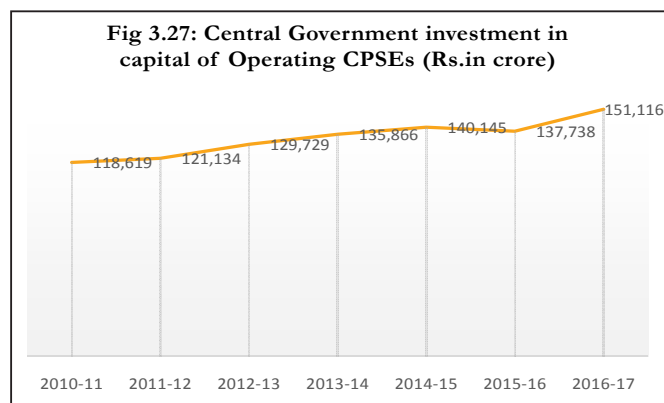
The Movement of major heads of Equity & Liabilities can be seen in below Figure 3.26.



### 3.6.1 Central Government investment in Capital of CPSEs

Contribution to capital is one of the major form of investment by Central Government in CPSEs, in addition to Loans, Waiver of interest, Restructuring. The Central Government Investment in Capital of CPSEs has increased by 9.71% from ₹ 1,37,738 crore as on 31.03.2016 to ₹1,51,116 crore as on 31.03.2017.

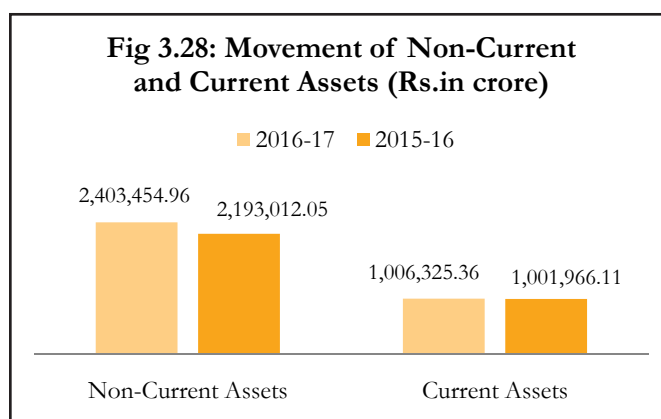
Movement of Central Government investment in Capital of CPSEs can be seen in Fig 3.27 below.



### 3.6.2 Movement of Non-Current and Current Assets

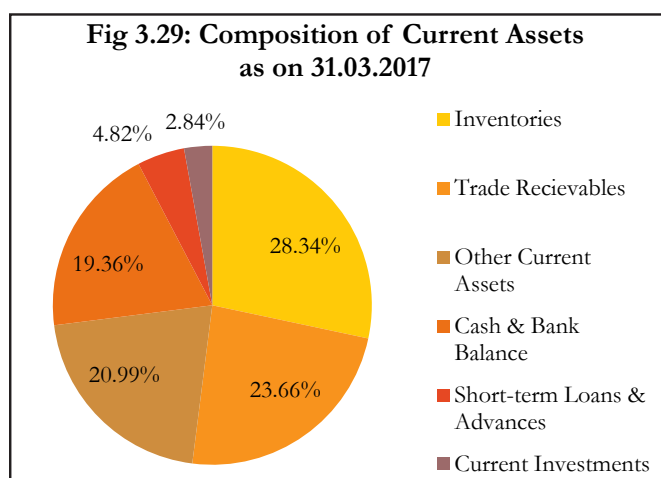
The movement of Non-Current Assets and Current Assets as on 31.03.17 and 31.03.16 can be seen in the below Figure 3.28. All the major heads have shown an increase as on 31.03.2017 compared to as on 31.03.2016. The maximum increase is noted in Non-Current Liabilities (11.38%), followed by Share Holders Funds (4.49%) and Current Liabilities (3.14%).

Out of the total assets of the operating CPSEs i.e. ₹34,09,780.32 crore, the Non-Current Assets constitute 70.49% i.e. ₹24,03,454.96 crore and Current Assets constitute 29.51% i.e. ₹10,06,325.36 crore. Non-Current assets as on 31.03.2017 compared to as on 31.03.2016 recorded an increase of 9.60%, whereas Current Assets recorded an increase of 0.44% (Fig 3.28)



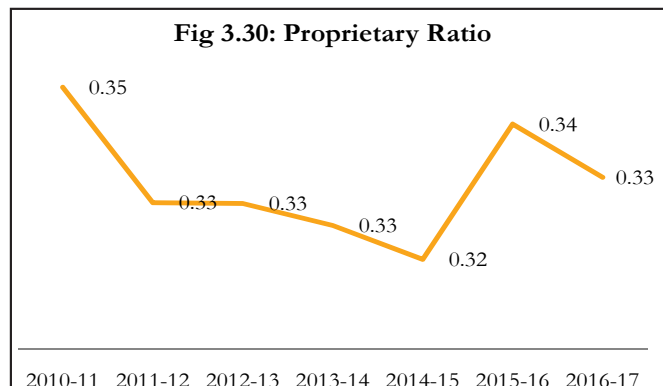
### 3.6.3 Composition of Current Assets

As seen in Fig 3.29, Inventories comprise 28.34% share of total Current Assets, followed by Trade Receivables (23.66%), Other Current Assets (20.99%), Cash & Bank Balances (19.36%), Short-term Loans & Advances (4.82%) and Current Investments (2.84%).



### 3.6.4 Proprietary Ratio

Proprietary Ratio indicates the proportion of Total Assets financed by shareholders. It is calculated as Proprietary Fund (total Share Holder's Funds) divided by Total Assets. As seen in the Fig 3.30 the proportion of Total Assets financed by shareholders is in the range of 0.32 to 0.35.



### 3.7 Market Capitalization of Listed CPSEs

There were 50 CPSEs listed and traded on the stock exchanges of India as on 31.03.2017. The total market capitalization (M-Cap) of 50 CPSEs based on stock prices on BSE and NSE as on 31.03.2017 stood at ₹1,776,234.54 crore increased from ₹1,294,245.15 crore as on 31.03.2016 (increased by 37.24%). During this period, the M-Cap of Bombay Stock Exchange has increased by 28.28% and BSE Sensex has increased by 16.88%. M-Cap of listed and traded CPSEs as a percentage of BSE M-Cap decreased from 13.66% as on 31.03.2016 to 14.61% as on 31.3.2017. (Box 3.3)

#### Box 3.3: Growth in Market Capitalization of listed and traded CPSEs

Sl. No.	Company Name	31-03-2016 Close price (₹)	31-03-2016 Market Cap (₹ In Crore)	31-03-2017 Close price (₹)	31-03-2017 Market Cap (₹ In Crore)	% change in Market Capitalization
1	ANDREW YULE & COMPANY LTD.	21.4	712.32	27.5	1,342.17	88.42
2	BALMER LAWRIE & CO.LTD.	573.3	1,633.80	235.6	2,685.33	64.36
3	BALMER LAWRIE INVESTMENTS LTD.	281.8	625.52	381.6	847.05	35.41
4	BEML LTD.	1,036.5	4,316.24	1,360.7	5,666.57	31.28
5	BHARAT ELECTRONICS LTD.	1,219.5	29,268.00	156.4	34,922.77	19.32
6	BHARAT HEAVY ELECTRICALS LTD.	113.8	27,841.45	163.1	39,920.36	43.38
7	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD	18.5	79.67	22.6	97.59	22.49
8	BHARAT PETROLEUM CORPN. LTD.	901.6	65,193.28	649.0	93,849.10	43.96
9	CHENNAI PETROLEUM CORPORATION LTD.	199.2	2,966.32	362.8	5,401.76	82.10
10	COAL INDIA LTD.	292.0	184,437.84	292.8	181,752.94	-1.46
11	CONTAINER CORPORATION OF INDIA LTD.	1,241.2	24,199.22	1,271.1	24,782.19	2.41
12	DREDGING CORPN. OG INDIA TLD.	379.7	1,063.16	687.6	1,925.14	81.08
13	ENGINEERS INDIA LTD.	170.3	5,736.35	144.4	9,727.36	69.57
14	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	21.30	738.62	41.60	1442.57	95.31
15	GAIL (INDIA) LTD.	356.4	45,202.19	376.5	63,669.11	40.85
16	HINDISTAN COPPER LTD.	50.8	4,695.48	66.1	6,115.69	30.25
17	HINDIUSTAN PETROLEUM CORPN. LTD.	785.6	26,600.86	525.5	53,379.51	100.67
18	HINDUSTAN FLUOROCARBONS LIMITED	5.7	11.13	17.1	33.51	201.06
19	HINDUSTAN ORGANIC CHEMICALS LTD.	16.6	111.64	24.6	165.25	48.01

20	HMT LTD.	44.8	3,395.17	37.9	2,868.46	-15.51
21	HOUSING & URBAN DEV. CORPN. LTD.	1,105.6	174,659.23	1,502.4	238,625.58	36.62
22	INDIA TOURISM DEV. CORPN LTD.	226.2	1,940.10	414.3	3,553.43	83.16
23	INDIAN OIL CORPORATION LTD.	393.5	95,527.79	386.8	187,802.12	96.59
24	ITI LTD.	24.0	691.20	71.1	3,410.40	393.40
25	KIOCL LTD.			14.50	920.05	
26	M M T C LTD.	37.4	3,740.00	62.0	6,195.00	65.64
27	MOIL LTD.	217.70	3657.36	313.75	4178.77	14.26
28	MADRAS FERTILIZERS LTD.	12.05	194.13	19.25	310.12	59.75
29	MAHANAGAR TELEPHONE NIGAM LTD.	17.7	1,115.10	24.0	1,512.00	35.59
30	MANGALORE REFINERY & PETROCHEMICALS LTD.	67.1	11,751.17	106.7	18,691.47	59.06
31	NATIONAL ALUMINIUM COMPANY LTD.	39.50	10180.09	76.5	14786.91	45.25
32	NATIONAL FERTILIZERS LTD.	28.3	1,388.34	76.7	3,760.28	170.85
33	NBCC (INDIA)LTD.	940.8	11,289.60	172.1	15,489.00	37.20
34	NHPC LTD.	24.1	29,644.79	32.1	39,423.88	32.99
35	NLC INDIA LTD.	70.9	11,894.96	107.4	18,010.21	51.41
36	NMDC LTD.	98.0	38,834.39	133.1	42,111.38	8.44
37	NTPC LTD.	128.8	106,201.58	166.0	136,833.48	28.84
38	OIL & NATURAL GAS CORPORATION LTD.	214.8	183,729.15	185.1	237,479.02	29.25
39	OIL INDIA LTD.	313.5	18,842.61	333.6	26,734.52	41.88
40	ONGC MANGALORE PETROCHEMICALS LTD.	67.1	11,751.17	106.7	18,691.47	59.06
41	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	1,825.0	1,095.00	2,079.0	1,247.37	13.92
42	POWER FINANCE CORPORATION LTD.	171.9	22,684.90	145.9	38,518.26	69.80
43	POWER GRID CORPORATION OF INDIA LTD.	139.1	72,771.41	197.2	103,166.95	41.77
44	RASHTRIYA CHEMICALS & FERTILIZERS LTD.	38.8	2,140.55	81.8	4,510.05	110.70
45	RURAL ELECTRIFICATION CORPN. LTD.	166.1	16,401.69	181.0	35,736.14	117.88
46	SCOOTERS INDIA LTD.	25.8	110.71	40.0	171.97	55.34
47	SHIPPING CORPORATION OF INDIA LTD.	65.1	3,030.02	76.0	3,540.07	16.83
48	SJVN LTD.	28.7	11,851.43	33.9	14,002.48	18.15
49	STATE TRADING CORPN. OF INDIA LTD.	89.9	539.10	159.0	953.70	76.91
50	STEEL AUTHORITY OF INDIA LTD.	43.0	17,759.31	61.2	25,276.04	42.33
	<b>Total Market Capitalization</b>		<b>12,94,245.15</b>		<b>17,76,234.54</b>	<b>37.24</b>
	<b>M-CAP of BSE</b>		<b>94,75,328.34</b>		<b>121,54,525.46</b>	<b>28.28</b>
	<b>BSE Sensex</b>		<b>25,341.86</b>		<b>29,620.50</b>	<b>16.88</b>
	<b>% of CPSEs M-CAP to BSE M-CAP</b>		<b>13.66%</b>		<b>14.61%</b>	

Source: BSE except CPSEs namely NATIONAL ALUMINIUM COMPANY LTD., MOIL Ltd, Madras Fertilizers Limited, KIOCL Limited, FERTILIZERS & CHEMICALS (TRAVANCORE) LTD., BALMER LAWRIE INVESTMENTS LTD. for whom the data has been taken from NSE.

Note: Three CPSEs namely Eastern Investment Limited, Hindustan Cables Limited, The Bisra Stone Lime Company Limited have been listed in Regional Stock Exchanges.

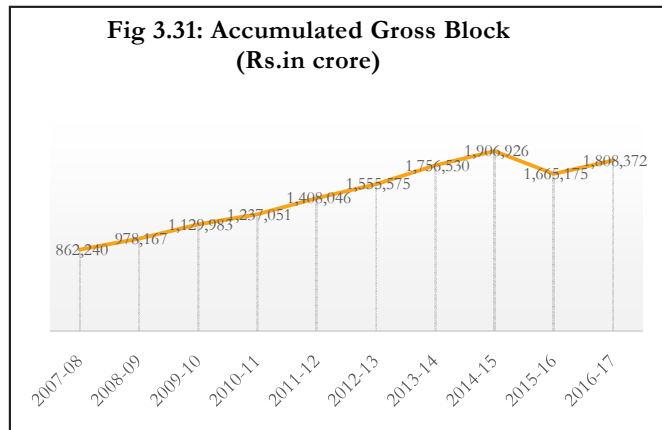
### 3.8 Growth in Real Investment/Gross Block

The aggregate Real Investment in Central Public Sector Enterprises (CPSEs) measured in terms of 'Gross Block' increased from ₹16,65,175 crore in 2015-16 to ₹18,08,372 crore in 2016-17, showing an increase of ₹1,43,197 crore and a growth of 8.60 per cent over the previous year (Box 3.4 and Fig 3.31).

**Box 3.4: Growth in Real Investment/Gross Block**

Year	Accumulated Gross Block in CPSEs (₹ in crore) @	Gross Block increased during the year (₹ in crore)	Growth over the previous year (in %)
2007-08	862,240	79,572	10.17
2008-09	978,167	115,927	13.44
2009-10	1,129,983	151,816	15.52
2010-11	1,237,051	107,068	9.48
2011-12	1,408,046	170,995	13.82
2012-13	1,555,575	147,529	10.48
2013-14	1,756,530	200,956	12.92
2014-15	1,906,926	150,395	8.56
2015-16	1,665,175	(241,751)	(12.67)
2016-17	1,808,372	143,197	8.60

**Fig 3.31: Accumulated Gross Block (Rs.in crore)**



In FY 2015-16, the Gross Fixed Assets of CPSEs has been decreased by ₹ 241,751 crore from ₹ 1,906,926 crores as on 31.03.2015 to 1,665,175 crores as on 31.03.2016. The major reason for this decrease is implementation of Ind AS in CPSEs.

Ind AS 101, First-time adoption of Indian Accounting Standards provides that on the date of transition i.e. 1<sup>st</sup> April 2015 the items of Property, Plant and Equipment shall be determined by applying Ind AS 16 retrospectively or by recording at fair value or by using the carrying value (net fixed assets) as deemed cost.

Certain CPSEs have elected to utilize the third option under Ind AS 101 by not applying the provisions of Ind AS 16 & Ind AS 38 retrospectively and continue to use the previous GAAP carrying amount as a deemed cost under Ind AS at the date of transition to Ind AS. Therefore, the carrying amount (net Fixed Assets) of property, plant and equipment and intangible assets as per the previous GAAP as at 1 April 2015, i.e; the Company's date of transition to Ind AS, were maintained on transition to Ind AS.

Pursuant to this on date of transition to Ind AS i.e.01.04.2015 certain CPSEs have considered the carrying value of Property, Plant and Equipment, as per previous GAAP, to be the deemed cost, i.e. gross Fixed Assets less accumulated depreciation. Due to this, and other Ind AS adjustment, gross fixed assets of Ind-AS applicable CPSEs was reduced. Table below illustrates the impact of Ind AS on Gross Fixed Assets in nine major CPSEs.

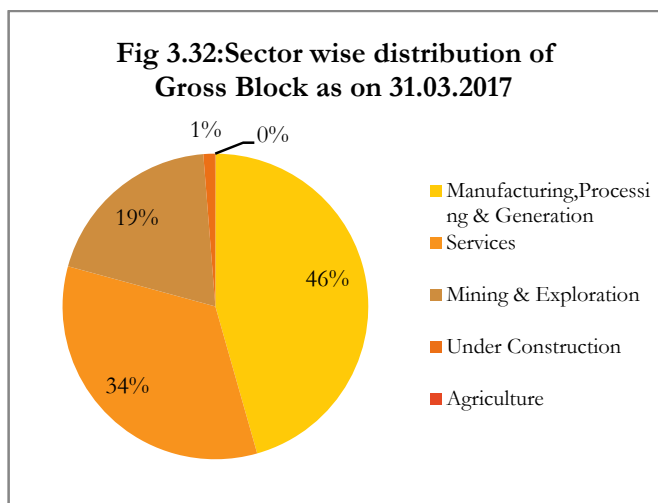
**Table 3.6: Impact of Ind AS on Gross Fixed Assets of nine major CPSEs in FY 2015-16.**

₹ in crore

Sl No	Name of CPSE	Gross Fixed Assets as on 31.03.2016 as per existing AS	Gross Fixed Assets as on 31.03.2016 as per Ind AS	De-crease in Gross Fixed Assets
1	OIL & NATURAL GAS CORPORATION LTD.	256,598	142,557	114,041
2	INDIAN OIL CORPORATION LTD.	171,581	117,063	54,519
3	NTPC LTD.	213,273	164,049	49,225
4	ONGC VIDESH LTD.	124,218	107,208	17,010
5	POWER GRID CORPORATION OF INDIA LTD.	193,862	165,132	28,730
6	BHARAT PETROLEUM CORPN. LTD.	59,149	37,700	21,448
7	HINDUSTAN PETROLEUM CORPN. LTD.	56,926	37,588	19,337
8	GAIL (INDIA) LTD.	46,780	32,884	13,896
9	NHPC LTD.	51,190	39,251	11,940
	<b>Total</b>	<b>11,73,577</b>	<b>8,29,008</b>	<b>330,145</b>

### 3.8.1 Sector-wise distribution of Gross Block as on 31.03.2017:

As seen in Fig 3.32 Manufacturing, Processing & Generation Sector has major share of Gross block with 46% share followed by Services (34%), Mining & Exploration (19%) and Under Constructions (1%). Agriculture has negligible share.

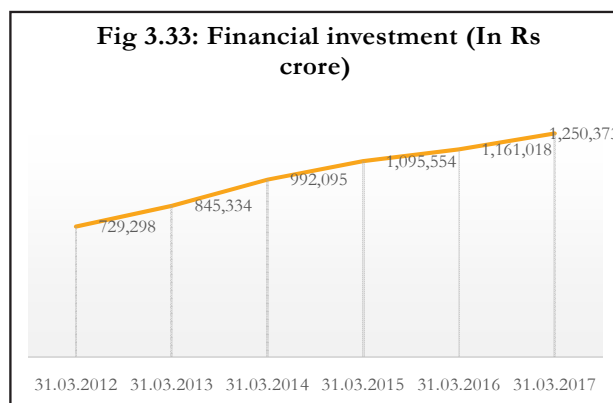


### 3.9 Financial Investment

The aggregate financial investment in all CPSEs including Under Construction CPSEs (comprising paid-up share capital, share application money pending allotment, money received against share warrants and long term loans) grew from ₹29 crore in 5 enterprises in 1951 to ₹12,50,373 crore in 331 enterprises as on 31.03.2017 (Box 3.5). The financial investment increased by ₹89,355 crore and displayed growth of 7.70% per cent during the FY 2016-17.

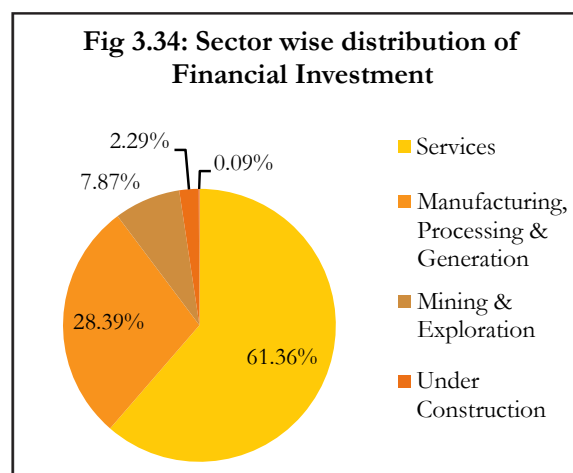
**Box 3.5: Growth in Financial Investment**

Particulars (as on)	Total investment (₹in crore)	Increase over previous year (%)	Enterprises (Nos.)
31.03.2012	729,298		260
31.03.2013	845,334	15.91	277
31.03.2014	992,095	17.36	290
31.03.2015	1,095,554	10.43	298
31.03.2016	1,161,018	5.98	320
31.03.2017	1,250,373	7.70	331



### 3.9.1 Sector-wise Distribution of Financial Investment:

As seen in Fig 3.34 Services has major share of Financial Investment with 61.36% share followed by Manufacturing, Processing & Generation Sector (28.39), Mining & Exploration (7.87%) and Under Constructions (2.29%). Agriculture has negligible share.



### 3.9.2 Composition of Financial Investment

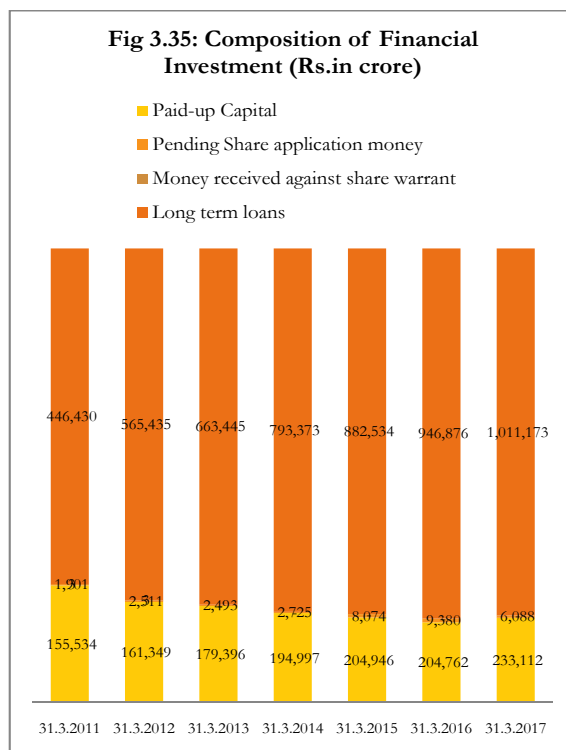
**Box 3.6: Composition of Financial Investment (₹in crore)**

Year ending (as on)	Paid-up Capital	Pending Share application money	Money received against share warrant	Long term loans	Investment (Total)
31.3.2011	155,534	1,901	3	446,430	603,868
31.3.2012	161,349	2,511	3	565,435	729,298
31.3.2013	179,396	2,493	-	663,445	845,334
31.3.2014	194,997	2,725	-	793,373	992,095
31.3.2015	204,946	8,074	-	882,534	1,095,554
31.3.2016	204,762	9,380	-	946,876	1,161,018
31.3.2017	233,112	6,088	-	1,011,173	1,250,373

While the total investment has increased significantly in CPSEs over the years, the structure of financial investment in CPSEs has also under-gone change. (Box 3.6). The share of 'paid-up capital' in total (financial) investment was 32.57 % during 2002-03, it declined to 18.68 % in 2016-17. The share of 'long-term loans', on the other hand, went up from 66.56% in 2002-03 to 80.51% in 2016-17.

### 3.9.3 Sources of Financial Investment:

A perusal of 'sources of investment', which is given below (Box 3.6), shows a significant change in the investment pattern of CPSEs during over the years (Box 3.7). The share of the Central Government in total (financial) investment (both equity and long term loans) stood at 33.33% in 2006-07, has declined to 15.86% in 2016-17. On the other hand, the share of financial institutions/banks and others that was 48.31% in 2006-07 has increased to 64.77% in 2016-17. In a way this shows the greater confidence of FIs and banks in the CPSEs. The share of 'foreign parties' in total financial investment has shown increase from 8.77% in 2006-07 to 14.61% in 2016-17. The share



of 'State Governments' in total financial investment has also shown a marginal decline from 0.84% in 2006-07 to 0.43% in 2016-17.

**Box 3.7: Sources of Financial Investment (₹in crore)**

Particulars	Central Govt.	State Govt.	Holding Company	Foreign Parties	FI/Banks & Others	Share Appl. Money (pending allotment)	Total Investment (Financial)
<i>As on 31.3.2007</i>							
Equity (E)	93874	3438	11449	1733	14829	-	
Loan (L)	46381	117	19067	35163	188414	-	
E+L	140255	3555	30516	36896	203243	6306	420771
% of Total(E+L)	33.33	0.84	7.25	8.77	48.31	1.5	100
<i>As on 31.3.2008</i>							
Equity (E)	110470	3544	11213	1627	4378	-	
Loan (L)	51535	230	16409	32935	220123	-	
E+L	162005	3774	27622	34562	224501	3090	455554
% of Total (E+L)	35.56	0.83	6.06	7.59	49.28	0.68	100
<i>As on 31.3.2009</i>							
Equity (E)	117319	3441	11701	1332	4941		



<b>Loan (L)</b>	40563	92	20782	43710	266429		
<b>(E+L)</b>	157882	3533	32483	45042	271370	3222	513532
<b>% of total (E+L)</b>	30.74	0.69	6.33	8.77	52.84	0.63	100
<i>As on 31.3.2010</i>							
<b>Equity (E)</b>	122201	3657	13487	1416	7606	-	
<b>Loan (L)</b>	34803	92	21588	40515	333671	-	
<b>(E+L)</b>	157004	3749	35075	41931	341277	1748	580784
<b>% of total (E+L)</b>	27.03	0.65	6.04	7.22	58.76	0.3	100
<i>As on 31.3.2011</i>							
<b>Equity (E)</b>	126668	3822	14847	2152	8048	1901	
<b>Loan (L)</b>	34257	82	21268	60585	330345	-	
<b>(E+L)</b>	160925	3904	36115	62737	338393	1901	603975
<b>% of total (E+L)</b>	26.64	0.65	5.98	10.39	56.34	0.31	100
<i>As on 31.3.2012</i>							
<b>Equity (E)</b>	129235	3793	15402	2047	10875	2511	
<b>Loan (L)</b>	37420	78	23273	85906	418758	-	
<b>(E+L)</b>	166655	3871	38675	87953	429633	2511	729298
<b>% of total (E+L)</b>	22.85	0.53	5.31	12.06	58.91	0.34	100
<i>As on 31.3.2013</i>							
<b>Equity (E)</b>	136281	3866	24538	2580	12131	2493	
<b>Loan (L)</b>	31055	101	16889	109489	505911	-	
<b>(E+L)</b>	167336	3967	41427	112069	518042	2493	845334
<b>% of total (E+L)</b>	35.26	0.91	8.81	25.74	28.71	0.57	100
<i>As on 31.3.2014</i>							
<b>Equity (E)</b>	143933	3887	31082	3427	12668	3725	
<b>Loan (L)</b>	20508	255	10866	13689	748056	-	
<b>(E+L)</b>	164441	4142	41948	17116	760724	3725	992096
<b>% of total (E+L)</b>	16.57	0.42	4.23	1.73	76.67	0.38	100
<i>As on 31.3.2015</i>							
<b>Equity (E)</b>	149175	4569	34405	3628	13169	8074	
<b>Loan (L)</b>	19580	243	11266	152348	699097	-	
<b>(E+L)</b>	168755	4812	45671	155976	712266	8074	1095554
<b>% of total (E+L)</b>	15.4	0.44	4.17	14.24	65.02	0.73	100
<i>As on 31.3.2016</i>							
<b>Equity (E)</b>	148527.86	4392.13	34318.98	3882.29	13641.11	9380.25	214,143

<b>Loan (L)</b>	33858.05	259.65	6226.87	166369.56	740161.69		946,876
<b>(E+L)</b>	182385.91	4651.78	40545.85	170251.85	753802.8	9380.25	1,161,018
<b>% of total (E+L)</b>	15.71	0.40	3.49	14.66	64.93	0.81	100

As on 31.3.2017

<b>Equity (E)</b>	164748.11	5288.34	39774.85	4809.57	18491.49	6087.89	239,200
<b>Loan (L)</b>	33587.33	33.42	8321.96	177816.72	791413.75		1,011,173
<b>(E+L)</b>	198335.44	5321.76	48096.81	182626.29	809905.24	6087.89	1,250,373
<b>% of total (E+L)</b>	15.86	0.43	3.85	14.61	64.77	0.49	100

### 3.9.4 Plan Investment in CPSEs

A good deal of investment in CPSEs in recent years has been made from Internal Resources (IR). Plan outlay in CPSEs constitutes Internal Resources (IR), Extra-Budgetary Resources (EBR) and Budgetary Support (BS). The Plan Outlay has increased by ₹28,780.19 crore to 2,57,958.81 crore in 2016-17 over

the previous year, showing an increase of 12.56 per cent. The respective shares of IR, EBR and BS have, nevertheless, undergone a change. The share of IR has increased from 49.17% of plan outlay in 2015-16 to 51.63% in 2016-17 and the share of BS has decreased from 2.72% in 2015-16 to 1.98 % in 2016-17. The share of EBR has decreased from 48.11% in 2015-16 to 46.39% in 2016-17 (Box 3.8).

**Box 3.8: Plan Investment in CPSEs (₹ in crore)**

Year	Internal Resources (IR)	Extra Budgetary Resources (EBR)	Budgetary Support (BS)	Plan Outlay
<b>2006-07</b>	58981.57 (60.85)	32676.47 (33.71)	5263.76 (5.43)	96921.80 (100)
<b>2007-08</b>	68140.97 (62.18)	38692.82 (35.31)	2745.80 (2.51)	109579.59 (100)
<b>2008-09</b>	72815.68 (55.06)	75807.99 (43.71)	1629.64 (1.23)	132253.31 (100)
<b>2009-10</b>	84980.15 (54.80)	65633.85 (42.32)	4458.75 (2.88)	155072.75 (100)
<b>2010-11</b>	107199.31 (64.00)	56174.62 (33.54)	4120.65 (2.46)	167494.58 (100)
<b>2011-12</b>	107940.18 (56.57)	78921.04 (41.37)	3933.25 (2.06)	190794.47 (100)
<b>2012-13</b>	93239.93 (51.19)	81186.04 (44.58)	7702.90 (4.23)	182128.87 (100.00)
<b>2013-14</b>	158013.11 (73.94)	47514.74 (22.23)	8180.89 (3.83)	213708.74 (100.00)

<b>2014-15</b>	100524.85 (52.17)	83815.86 (43.50)	8342.79 (4.33)	192683.50 (100.00)
<b>2015-16</b>	112723.48 (49.17)	110293.62 (48.11)	6233.52 (2.72)	229250.62 (100.00)
<b>2016-17</b>	133174.04 (51.63%)	119658.62 (46.39)	5126.15 (1.98)	257958.81 (100.00)

Source: Expenditure Budget Volume-1, 2016-17 (Ministry of Finance)

### 3.9.5 Internal Resources of CPSEs:

Internal Resources of CPSEs comprise of Depreciation, Impairment/Generated IR, Deferred Tax and Retained Profit. Year wise breakup of Internal Resources can be seen in Box 3.9.

<b>Box 3.9: Internal Resources of CPSEs (₹ in crore)</b>						
<b>Years</b>	<b>No. of CPSEs which generated IR</b>	<b>Depreciation</b>	<b>Impairment / Generated IR</b>	<b>Deferred Tax</b>	<b>Retained Profit</b>	<b>Total Internal Resources</b>
<b>2006-07</b>	154	32013.20 (33.28)	5475.33 (6.69)	-	58713.84 (61.03)	96202.27 (100.00)
<b>2007-08</b>	160	35436.51 (35.51)	5653.54 (5.65)	-	58731.80 (58.84)	99821.85 (100.00)
<b>2008-09</b>	158	34432.79 (31.08)	7516.89 (6.78)	-	68854.43 (62.14)	110804.11 (100.00)
<b>2009-10</b>	157	28745.82 (26.52)	9575.56 (8.84)	-	70061.06 (64.64)	108382.44 (100.00)
<b>2010-11</b>	162	53574.55 (37.27)	185.69 (0.15)	3716.01 (3.25)	66478.93 (60.33)	120794.96 (100.00)
<b>2011-12</b>	166	59907.73 (46.22)	152.38 (0.12)	1428.77 (1.10)	68128.71 (52.56)	129617.59 (100.00)
<b>2012-13</b>	159	61798.75 (42.34)	403.07 (0.28)	5394.08 (3.70)	78350.53 (53.68)	145946.43 (100.00)
<b>2013-14</b>	162	60483.45 (39.96)	848.67 (0.56)	6881.74 (4.55)	83161.01 (54.93)	151374.87 (100.00)
<b>2014-15</b>	163	63594.70 (46.03)	533.61 (0.39)	4506.06 (3.26)	69515.84 (50.32)	138150.21 (100.00)
<b>2015-16</b>	163	58556.19 (44.00)	285.80 (0.21)	5946.18 (4.47)	68298.83 (51.32)	133087.00 (100.00)
<b>2016-17</b>	179	64990.73 (50.18)	-349.83 (-0.27)	6019.67 (4.65)	58847.60 (45.44)	129508.17 (100.00)

As seen in Box 3.9 above, the Internal Resources of CPSEs have increased till FY 2013-14, reaching highest of ₹1,51,375 crore, thereafter started decreasing. The Internal Resources of CPSEs stood at ₹ 1,29,508 crore in FY2017,

decreased from ₹1,33,087 crore in FY 2015-16. This is due to reduction in Retained Profits, because of increased dividend payments. The dividend has increased from ₹68,583 crore in FY 2015-16 to ₹ 78,133 crore.

### 3.9.6 Top 10 CPSEs in terms of Gross Block

Gross block in top 10 CPSEs amounted to ₹12,80,046 crore as on 31.3.2017. This was equal to 70.78 per cent of the total gross block in all CPSEs. Bharat Sanchar Nigam Ltd., NTPC Ltd and Power

Grid Corporation of India Ltd. are the top three CPSEs amongst the top ten CPSEs in terms of gross block during the year 2016-17 (Table 3.7). The share of these 3 CPSEs alone was 34.58% of the total gross block of all the CPSEs as on 31.3.2017.

**Table 3.7: Gross Block in top 10 Enterprises as on 31.3.2017**

S. No.	CPSE Name	Investment in terms of Gross Block (₹ in crore)	Share in Total Gross Block (%)
1	Bharat Sanchar Nigam Ltd.	247,309	13.68
2	NTPC Ltd.	192,487	10.64
3	Power Grid Corporation Of India Ltd.	185,614	10.26
4	Oil & Natural Gas Corporation Ltd.	166,681	9.22
5	Indian Oil Corporation Ltd.	129,447	7.16
6	Steel Authority Of India Ltd.	107,840	5.96
7	Ongc Videsh Ltd.	106,378	5.88
8	Nuclear Power Corpn. Of India Ltd.	54,555	3.02
9	Bharat Petroleum Corpn. Ltd.	46,761	2.59
10	Hindustan Petroleum Corpn. Ltd.	42,975	2.38
	<b>Total :</b>	<b>1,280,046</b>	<b>70.78</b>
	<b>GRAND TOTAL :</b>	<b>1,808,372</b>	<b>100</b>

### 3.9.7 State-wise distribution of Gross Block

As on 31.3.2017, CPSEs have invested ₹ 1,808,371.77crore in gross block in different states. The funds have been invested as per the requirement of the CPSEs and balance regional development in

the country. In absolute terms, there has been an increase in investments in most states. The state wise distribution of investment in terms of gross block is given in Table 3.8 below.

**Table 3.8 State-Wise Distribution of Gross Block as on 31.3.2017**

S. No.	State / Union Territory	Gross Block (₹in crore)			% share in Total Gross Block		
		2016-17	2015-16	2014-15	2016-17	2015-16	2014-15
1	ANDAMAN & NICOBAR ISLANDS	510.15	484.51	441.46	0.03	0.03	0.02
2	ANDHRA PRADESH	100983.69	88557.6	100010.59	5.58	5.32	5.24
3	ARUNACHAL PRADESH	16748.69	14975.34	13613.41	0.93	0.9	0.71
4	ASSAM	76647.09	62936.68	78773.75	4.24	3.78	4.13
5	BIHAR	62795.57	58111.08	60724.3	3.47	3.49	3.18
6	CHANDIGARH	216.12	573.69	649.09	0.01	0.03	0.03
7	CHHATTISGARH	89393.9	78985.1	82164.08	4.94	4.74	4.31
8	DADRA NAGARHAVLI	354.56	345.94	378.03	0.02	0.02	0.02
9	DAMAN AND DIU	244.45	243.44	231	0.01	0.01	0.01
10	DELHI	71805	77478.94	63588.88	3.97	4.65	3.33

11	GOA	2115.11	1911.57	1602.45	0.12	0.11	0.08
12	GUJRAT	82231.15	59870.49	87334.13	4.55	3.6	4.58
13	HARYANA	40,989.39	38328.33	49318.02	2.27	2.3	2.59
14	HIMACHAL PRADESH	37762.15	35996.68	38949.2	2.09	2.16	2.04
15	JAMMU & KASHMIR	19162.27	18151.7	24508.64	1.06	1.09	1.29
16	JHARKHAND	49917.98	40512.97	46212.76	2.76	2.43	2.42
17	KARNATAKA	82566.53	77198.55	74455.27	4.57	4.64	3.9
18	KERALA	45016.4	40317.5	38017.21	2.49	2.42	1.99
19	LAKSHADWEEP	-	-	-	-	-	-
20	MADHYA PRADESH	80154.78	69256.81	81991.08	4.43	4.16	4.3
21	MAHARASHTRA	162682.14	142084.07	323657.17	9	8.53	16.97
22	MANIPUR	905.09	747.13	685.02	0.05	0.04	0.04
23	MEGHALAYA	311.37	277.14	344.89	0.02	0.02	0.02
24	MIZORAM	1575.3	1225.1	1237.89	0.09	0.07	0.06
25	NAGALAND	1275.32	1106.23	1257.89	0.07	0.07	0.07
26	ORISSA	113697.42	104323.67	108095.85	6.29	6.27	5.67
27	OTHERS AND UNALLOCATED	262656.51	273610.34	185649.03	14.52	16.43	9.74
28	PONDICHERY	466.36	405.49	389.5	0.03	0.02	0.02
29	PUNJAB	18257.34	17133.71	19493.58	1.01	1.03	1.02
30	RAJASTHAN	43654.26	34505.56	39308.77	2.41	2.07	2.06
31	SIKKIM	3377.49	3246.27	4432.81	0.19	0.19	0.23
32	TAMILNADU	105210.52	104015.49	124149.24	5.82	6.25	6.51
33	TELANGANA	13827.25	10190.7	11660.58	0.76	0.61	0.61
34	TRIPURA	7836.5	5180.55	6944.05	0.43	0.31	0.36
35	UTTAR PRADESH	112348.51	100649.56	118576.46	6.21	6.04	6.22
36	UTTARANCHAL	26714.4	24142.33	26513.79	1.48	1.45	1.39
37	WEST BENGAL	73961.01	78097.59	91566.35	4.09	4.69	4.8
	<b>TOTAL :</b>	<b>18,08,371.77</b>	<b>16,65,177.85</b>	<b>19,06,926.22</b>	<b>100</b>	<b>100</b>	<b>100</b>

### 3.10 Revival and Restructuring of Sick / loss making CPSEs

As the Central Public Sector Enterprises (CPSEs) operate under dynamic market conditions, there are bound to be uncertainties & fluctuations in their performances. Some CPSEs have, however, been incurring losses continuously for the last several years.

#### 3.10.1 Reasons for Losses and Sickness in CPSEs:

The reasons for losses/ sickness in CPSEs vary from enterprise to enterprise. However, some common problems for sickness in CPSEs include old and obsolete plant and machinery, outdated technology, low capacity utilization, low productivity, poor debt-

equity structure, excess manpower, weak marketing strategies, stiff competition, lack of business plans, dependence on Govt. orders, heavy interest burden, high input cost, resource crunch, etc. Many CPSEs that did not evolve with liberalization and opening up of the economy lost ground very quickly to private companies. Attempts have, therefore, been made to overcome “sickness” in these CPSEs through various measures.

#### 3.10.2 Streamlining the mechanism of revival/ restructuring of Central Public Sector Enterprises (CPSEs) – winding up of BRPSE

- I. Multiple mechanisms exist for the restructuring / revival of sick/loss making CPSEs. Sick Industrial Companies as defined in the Sick

Industrial Companies Act 1985 were referred to the Board for Industrial and Financial Reconstruction (BIFR), which suggested a restructuring plan.

- II. Government has taken steps to make the mechanism and process for revival/restructuring of CPSE time bound, comprehensive, performance driven and efficient. The Government has decided to remove the multiple layers in decision making to ensure timely revival/restructuring of sick CPSEs. It has been decided that revival/restructuring of sick/incipient sick CPSE is to be merit based, taking into account strategic, national and business concerns of the CPSE. Accordingly, Government has wound up BRPSE vide notification dated 9<sup>th</sup> November, 2015 and the concerned administrative Ministries/ Departments will be responsible to monitor

sickness of CPSEs functioning under them and take timely redressal measures with the approval of the Competent Authority.

- III. The Companies Act, 2013 Chapter XIX refers to Revival and Rehabilitation of Sick Companies where as Chapter XX refers to Winding up of the Companies. The decision whether a company has become a sick company would be taken by the National Company Law Tribunal. The Administrative Ministries/ Departments have to keep track of the debts of CPSEs and take advance action to avoid a situation where the CPSEs may be considered fit to be declared a sick entity as per provisions of the Companies Act, 2013. The concerned Administrative Ministries/Departments are now responsible to monitor sickness of CPSEs functioning under them and take timely redressal measures with the approval of the Competent Authority.



# 4

## Operational Information

### 4.1 Productivity in Public Enterprises

The Central Public Sector Enterprises (CPSEs) are technologically complex identities involving large scale production. CPSEs in the industrial sector, manufacturing, mining and electricity, in particular, are capital intensive and are characterized by higher productivity per unit of input/hour. Productivity is, however, influenced by both endogenous and exogenous factors. While endogenous factors comprise of higher technology, quality of labour, scale of output and good management practices, the exogenous factors comprise of interest rates, tax policies, infrastructure facilities, weather conditions, law and order condition and the overall state of the economy.

Productivity, in turn, is the measure of efficiency in use of resources (or inputs) in the production of various goods and services. A comparison with the peer group or a historical comparison brings out the trend in productivity i.e. improvement/deterioration in condition during the period under consideration. Some of the important indicators used for assessing 'productivity' are capacity utilization, inventory in relation to sales and energy use in the enterprise. The paragraphs below discuss each of these in relation to CPSEs.

#### 4.1.1 Capacity Utilization

Capacity utilization in these reports has been measured based on the installed/rated capacity. Wherever installed/rated capacity is not available for various reasons, the assessment of the management vis-à-vis capacity utilization in the enterprises has been accepted. In the case of multiple product units, capacity utilization has been worked out with reference to major products.

The detailed enterprise-wise statement, indicating the unit-wise capacity utilization for major products during the last three years is given in the section on Statements & Appendices at the end of this Volume (Statement No.16). The paragraphs below discuss enterprise-wise rated capacity and extent of utilization of some of the CPSEs under the various cognate groups.

##### 4.1.1.1 Steel

- Steel Authority of India Limited produced 13.90 Million Tonnes of Saleable Steel during 2016-17

as against the production of 12.38 Million Tonnes of Saleable Steel during the previous year.

- Ferro Scrap Nigam Limited processed 11.64 Lakh MT of scrap during 2016-17 as against 11.46 Lakh MT during the previous year.
- Rashtriya Ispat Nigam Limited produced 3847172 tonnes of Saleable Steel, 9,90,216 tonnes of Bar Products, 150177 Tonnes of Pig Iron, 1395281 tonnes of Wire Rods and 8,28,625 tonnes of Structural Products during 2016-17 as against the production of 35,13,292 tonnes of Saleable Steel, 83,2845 tonnes of Bar Products, 1,16,453 tonnes of Pig Iron, 11,33,435 tonnes of Wire Rods and 7,95,402 Tonnes of Structural Products during the previous year.

- Mishra Dhatu Nigam Limited produced 6,150 MT of Special alloys during 2016-17 as against the 5,205 MT during the previous year.
- Sail Refractory Company Limited produced 4,730 MT of Calcined Products 11,832 MT of Fired Bricks and 6,045 MT of Mag Carbon Bricks during 2015-16 as against the 4,631 MT of Calcined Products, 11,227 MT of Fired Bricks and 4,772 MT of Mag Carbon Bricks during the previous year.

The information in respect of four CPSEs is presented in the Table 4.1 below:-

**Table 4.1 CPSEs & Product-wise details of Capacity (Steel)**

S No.	CPSE	Product	Installed Capacity (2016-17)	Capacity Utilisation (%)		
				2016-17	2015-16	2014-15
1	Steel Authority of India Limited	Saleable Steel	15.11 ml.t	92	82	116
2	Ferro Scrap Nigam Ltd.	Processing of Scrap	11.78 lakh MT	98.81	97.28	96.34
3	Rashtriya Ispat Nigam Ltd	Saleable steel	4996327 tonnes	77	73	57
		Bar Products	1456200 tonnes	68	77	110
		Pig Iron	556211 tonnes	27	21	43
		Wire Rods	1453417 tonnes	96	78	66
		Structural Products	1563443 tonnes	53	82	97
4	Mishra Dhatu Nigam Ltd.	Super alloys, Special Steels	5044 MT	122	103	117

#### 4.1.1.2 Other Minerals and Metals

- Indian Rare Earths Ltd. produced 2,69,966 tonne Ilmenite, 10,641 tonne rutile and 11,709 tonne zircon during the year 2016-17. The corresponding figures for the previous year were 2,42,075 tonne Ilmenite, 9,788 tonne rutile and 10,785 tonne zircon.
- FCI Aravali Gypsum & Minerals India Limited produced 5,81,981 MT of Gypsum during 2016-

17 as compared to 6,34,097 MT of Gypsum in 2015-16.

- Hindustan Copper Limited produced 16,450 MT of Cathode and 17,074 MT of Copper Wire Rod during 2016-17 as compared to 17,026 MT of Cathode, and 21,252 MT of Copper Wire Rod in 2015-16.
- KIOCL Limited produced 1.46 million tonne of iron ore pellets during 2016-17 as compared to 0.100 million tonne in 2015-16.

- NMDC Limited produced 35,636 carats of Diamonds, 34.01 million tonnes of Iron Ore and 5,474 tonnes of Sponge Iron during the year 2016-17 as compared to 35,558 Carats of Diamonds, 28.57 million tonnes of Iron Ore and 6,614 tonnes of Sponge Iron in 2015-16.
- The information in respect of five CPSEs is presented in the Table 4.2 below: -

**Table 4.2 CPSEs & Product-wise detail of Capacity (other Minerals and Metals)**

S No.	CPSE	Product	Installed Capacity (2016-17)	Capacity Utilisation (%)		
				2016-17	2015-16	2014-15
1	Indian Rare Earths Ltd.	Ilmenite	510000 Tonne	53	50	50
		Rutile	22300 Tonne	48	39	38
		Zircon	32500 Tonne	39	30	30
2	FCI Aravali Gypsum & Minerals Ltd	Gypsum	1225000 MT	48	55	95
3	Hindustan Copper Limited	Cathode	68542 MT	24	92	82
		Copper Wire Rod	60979 MT	28	35	28
4	KIOCL Limited	Iron Ore Pellets	3.48 Million Tonnes	42	3	22
5	NMDC Limited	Diamonds	98989 Carats	36	36	35
		Iron Ore	36.97 Million Tonnes	92	77	82
		Sponge Iron	60822 Tonnes	9	11	48

(MT – Metric Tonne)

#### 4.1.1.3 Coal & Lignite

- Coal India Limited produced 6,00,000 Metric Tonnes of coal in 2016-17 as compared to 4,86,000 Metric Tonnes in the previous year.
  - Northern Coalfields Limited produced 84.10 MT of coal during the year 2016-17 as compared to 80.22 MT in the previous year.
  - Central Coalfields Limited produced 67.04 MT of Coal during the year 2016-17 as compared to 61.32 MT in the previous year
  - Eastern Coalfields Limited produced 40.52 MT of Coal during the year 2016-17 as compared to 40.21 MT in the previous year.
  - South Eastern Coalfields Limited produced 140 Million Tonnes of Coal during the year 2016-17 as compared 137.93 Million Tonnes during the previous year.
  - Western Coalfields Limited produced 45.63 Million Tonnes of Coal during the year 2016-17 as compared to 44.82 Million Tonnes during the previous year.
  - Bharat Coking Coal Limited produced 37.04 MT of Raw Coal and 1.18 MT of Washed Coal during the year 2016-17 as against the production of 35.86 MT of Raw Coal and 0.60 MT of Washed Coal during the year 2015-16
  - NLC India Limited produced 27.61 MT of Lignite during the year 2016-17 as against the production of 25.45 MT of Lignite during 2015-16.
- The information in respect of Eight CPSEs is presented in the Table 4.3 below:

**Table 4.3 CPSEs & Product-wise detail of Capacity (Coal & Lignite)**

S No.	CPSE	Product	Installed Capacity (2016-17)	Capacity Utilisation (%)		
				2016-17	2015-16	2014-15
1	Coal India Limited	Coal	1150086 Metric Tonnes	52	42	59
2	Northern Coalfields Limited	Coal	94.45 Million Tonnes	89	72	69
3	Central Coalfields Ltd.	Coal	65.03 MT	103	115	96
4	Eastern Coalfields Ltd.	Coal	46.69MT	87	116	107
5	South Eastern Coalfields Ltd.	Coal	142.86 MT	98	96	94
6	Western Coalfields Ltd.	Coal	54.39 MT	84	96	104
7	Bharat Coking Coal Limited	Raw Coal	51.99 MT	71	91	77
		Washed Coal	4.79 MT	25	23	14
8	NLC India Limited	Lignite	30.6 MT	90	83	87

(MT- Million Tonne)

#### 4.1.1.4 Petroleum (Refinery & Marketing)

- GAIL (India) Ltd. Produced 1112 TMT of LHC and 604 KTA of Petrochemicals during 2016-17 as compared to 1089 TMT of LHC and 344 KTA during the previous year.
- During 2016-17, Mangalore Refinery and Petrochemicals Ltd. processed 16.27MMT crude as compared to 15.69 MMT in previous year.
- During 2016-17, Bharat Petroleum Corporation Ltd. procured 24.01 MMT of crude, 93,471 MT of Benzene, 22,629 MT of Toluene, 2,92,181 MT of Lubricants and 82278 MT of Sulphur as compared to 24.12 MMT of crude, 95,222 MT of Benzene, 18,264 MT of Toluene, 2,95,509 MT of Lubricants and 88,841 MT of Sulphur respectively in previous year.
- Indian Oil Corporation Limited processed 65.19 MMT of crude during the year 2016-17 as compared to 56.69 MMT during the previous year.
- Chennai Petroleum Corporation Ltd. produced 694 TMT of ATF, 1105 TMT of Gasoline, 4,183 TMT of HSD, 306 TMT of LPG and 340 TMT of SKO during the year 2016-17 as compared to 643 TMT of ATF, 955 TMT of Gasoline, 3,878 TMT of HSD, 301 TMT of LPG and 322 TMT of SKO respectively in previous year.
- Gail Gas Ltd. produced 52 MMSCM of CNG/ PNG during the year 2016-17 as compared to 484 MMSCM of CNG PNG respectively in previous year.
- Hindustan Petroleum Corpn. Ltd. processed 17,814 TMT of crude during the year 2016-17 as compared to 17,232 TMT during the previous year.
- Numaligarh Refinery Ltd. produced 2,683 TMT of LPG, Petrochemical Grade Naphtha, Fuel Grade during the year 2016-17 as compared to 2,520 TMT of LPG, Petrochemical Grade Naphtha, Fuel Grade during the previous year.

The information in respect of eight CPSEs for the last three years is given in table 4.4 below: -

**Table 4.4 CPSEs & Product-wise detail of Capacity- Petroleum (Refinery & Marketing)**

S No.	CPSE	Product	Installed Capacity (2016-17)	Capacity Utilisation (%)		
				2016-17	2015-16	2014-15
1	GAIL (India) Limited	LHC	1518 TMT	73	72	84
		Petrochemicals	810 KTA	75	42	56
2	Mangalore Refinery and Petrochemicals Ltd.	Crude	15 MMT	108	105	98
3	Bharat Petroleum Corporation Ltd.	Crude	22.95 MMT	105	112	109
		Benzene	192883 MT	48	49	40
		Toulene	73091.09 MT	31	25	34
		Lubricants	249941 MT	117	119	116
		Sulphur	117674.49 MT	70	76	79
4	Indian Oil Corporation Limited	Crude	69.35 MMT	94	102	99
5	Chennai Petroleum Corporation Ltd.	ATF	780 TMT	89	82	90
		Gasoline	950 TMT	116	101	111
		HSD	4,527 TMT	92	86	99
		LPG	400 TMT	77	75	86
		SKO	450 TMT	76	72	87
6	Gail Gas Ltd.	CNG / PNG	157.85 MMSCMD	33	36	21
7	Hindustan Petroleum Corpn. Ltd.	Petroleum	15765 TMT	113	116	109
8	Numaligarh Refinery Ltd.	LPG, Petrochemical Grade Naphtha (Pcn), Fuel Grade	3000 TMT/PA	89	89	93

(TMT- Thousand Metric Tons, KTA - Kilo Tons per Annum, MMT-Million Metric Tons, MT-Metric Tons, MMSCMD- Million Metric Standard Cubic Meters Per Day , TMT/PA- Thousand Metric Tons per annum)

#### 4.1.1.5 Heavy Engineering

- Braithwaite & Co. Ltd. constructed 777 Nos of Wagon and 1210 Nos of Bogie during the year 2016-17. The corresponding figures during

the previous year was 526 Nos. and 1078 Nos. respectively.

- Bharat Heavy Electricals Ltd. produced 3,33,375 MT of Boilers, 733 Nos. Electrical Machines, 33,756 MVA of Power Transformer, 1542 Nos. of Traction Machines and 8,098 MW of Turbine-ref hard copy during the year 2016-17. The Company produced 3,21,080 MT of Boilers, 909

Nos. Electrical Machines, 31,125 MVA of Power Transformer, 1651 Nos. of Traction Machines and 4494 MW of Turbine-ref hard copy during the year 2015-16.

- Bharat Wagon & Engg. Co. Ltd. constructed 61 VU of Railway wagon during the year 2016-17. The corresponding figure during the previous year was 40 VU.
- BHEL Electrical Machines Ltd. produced 70,020 KVA of Rotating Electrical Machinery during 2016-17. The company produced of 1,16,895 KVA of Rotating Electrical Machinery during 2015-16.
- Burn Standard Company Limited produced 545 Nos. Wagons during the year 2016-17. The

company produced 318 Nos. of Wagons during 2015-16.

- Heavy Engineering Corporation. Ltd. produced 16 Tons of 24/96 Dragline, 356 Tons of 5 Cum Rope shovel, 2932 Tons of EOT Cranes, 884 Tons of Forging & Forged Rolls, 1,189 Tons of Medium & Heavy Steel casting and 349 Tons of Steel Plant Items/components during the year 2016-17. The Company Produced 188 Tons of 24/96 Dragline, 274 Tons of 5 Cum Rope shovel, 3,851 Tons of EOT Cranes, 1,321 Tons of Forging & Forged Rolls, 1,702 Tons of Medium & Heavy Steel casting and 437 Tons of Steel Plant Items/components during the year 2015-16.

The information in respect of Six CPSEs for the last three years is given in the Table 4.5 below: -

**Table 4.5 CPSEs & Product-wise detail of Capacity (Heavy Engineering)**

SI. No.	CPSE	Product	Installed Capacity (2016-17)	Capacity Utilisation (%)		
				2016-17	2015-16	2014-15
1	Braithwaite & Co Ltd	Wagon	1200 Nos	65	44	62
		Bogie	1800 Nos	67	60	84
2	Bharat Heavy Electricals Ltd.	Boiler	833437.5 MT	40	39	38
		Electrical Machines	2221.21 Nos.	33	40	41
		Power Transformer	45008 MVA	75	69	42
		Traction Machines	3212.5 Nos.	48	52	60
		Turbine-ref hard copy	20245 MW	40	22	32
3	Bharat Wagon & Engg. Co. Ltd	Railway wagon	880 VU	7	5	5
4	BHEL Electrical Machines Ltd.	Rotating Electrical Machinery	166714.29 KVA	42	69	70
5	Burn Standard Company Ltd.	Wagons	2270.83 Nos.	24	14	31
6	HEAVY ENGINEERING CORPN. LTD.	24/96 Dragline	2000 Tons	1	10	30
		5 Cum Rope shovel	4,092 Tons	9	7	22
		EOT Cranes	6,948 Tons	42	55	39
		Forging & Forged Rolls	9822 Tons	9	13	16
		Medium & Heavy Steel casting	16,288Tons	7	10	13
		Steel Plant Items/components	1994 Tons	18	22	33

(MVA-Mega Volt Amp, MW-MegaWatt, VU-Volume Unit, KVA-Kilo Volt Amp)



#### 4.1.1.6 Medium and Light Engineering

- ITI Limited produced 1,786 Nos. Encryption Products, 60,000 Nos. Cables, 1,362 Space Electronics Fabrication, and 663 Nos. Hand Held Terminal during 2016-17 as compared to 44 Nos. Encryption Products, 7,200 Cable Assembly, 1,360 Space Electronic Fabrication, and 2106 Nos. Hand Held Terminal during 2015-16.
- Andrew Yule & Company Limited produced 102 Lakh Kg of tea during year 2016-17 as compared to 116 Lakh Kg of tea in the previous year.
- Rajasthan Electronics & Instrument Ltd produced 10127 Nos. of EMA (Electronic Milk Analyser) and 9,350 KWP of SPV (Solar Photo Voltaic) Modules Systems during 2016-17 as against 9,537 Nos. of EMA and 7,350 KWP of SPV Modules Systems in the previous year.
- Balmer Lawrie & Co. Ltd. produced 44.41 lakhs of Barrels and Drums, 36,246 MT of Greases And Lubricants and 6,611 MT of Leather Chemicals during the year 2016-17 as against the production of 42.07 lakhs of Barrels And Drums, 35,462 MT of Greases And Lubricants and 6,014 MT of Leather Chemicals during the previous year 2015-16.
- Central Electronics Limited produced 770 Nos. Axle Counters, 45,430 Nos. Phase Shifters and 14,672 MW of Solar PV Modules during 2016-17 as against 657 Nos. Axle Counters, 36,041 Nos. Phase Shifters and 10,023 MW of Solar PV Modules in the previous year.
- HMT Limited produced 437 Nos. of Food Processing Machinery and 188 Nos. of Tractors during 2016-17 as against 210 Nos. of Food Processing Machinery and 633 Nos. of Tractors in the previous year
- Vignyan Industries Ltd. produced 2,455 MT of Steel Castings during year 2016-17 as compared to 2,204 MT of Steel Castings in the previous year.

The information in respect of Seven CPSEs for the last three years is given in the Table 4.6 below :-

**Table 4.6 CPSEs & Product-wise detail of Capacity (Medium and Light Engineering)**

SI. No.	CPSE	Product	Installed Capacity (2016-17)	Capacity Utilisation (%)		
				2016-17	2015-16	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	ITI Limited	Encryption Products	2500 nos.	71	2	3
		Cable Assembly	75000 Cables per year	80	10	5
		Space Electronics Fabrication	2500 Packages per year	55	55	37
		Hand Held Terminal	3000 nos. per year	22	70	23
2	Andrew Yule & Company Ltd.	Tea	91.07 Lakh KG	112	100	94
3	Rajasthan Electronics & Instruments Limited	Electronic Milk Analyzers	4500.89 Nos.	225	212	202
		SPV Modules Systems	19081.63 kwp	49	39	47
4	Balmer Lawrie & Co. Ltd.	Barrels And Drums	50.98 Lakhs	87	81	77

		Greases And Lubricants	69240 MT	52	51	54
		Leather Chemicals	4615 MT	143	198	256
5	Central Electronics Limited	Axle Counters	600.02 Nos.	128	110	100
		Phase Shifters	36001.27 Nos.	126	100	106
		Solar PV Modules	28000 MW	52	40	24
6	HMT Limited	Food Processing Machinery	428.43 Nos.	102	71	79
		Tractors	284.85 Nos.	66	21	20
7	VIGNYAN INDUSTRIES LTD.	Steel Castings	4161.02 MT	59	53	54

(KL – Kilo Liters; MWp – Mega Watt Peak; KWp – Kilo Watt Peak; MT – Metric Tonne )

#### 4.1.1.7 Transportation Vehicle & Equipment

- Cochin Shipyard Ltd. built 1,51,814 DWT of ships during the year 2016-17 as compared to 1,51,747 DWT in the previous year.
- Hindustan Shipyard Ltd. built 19,083CGT during the year 2016-17 as compared to 16,475 CGT in the previous year.
- Goa Shipyard Limited produced 1.19 standard ship units in 2016-17 as compared to 1.22 Standard ship units in the previous year.
- Since the product-wise information in Hindustan Aeronautics Limited is of classified nature, the annual production is represented in terms of Standard Man

Hours (SMH) in lakh. The production during 2016-17 was 289.90lakh SMH as compared to 287.37 lakh SMH in the previous year.

- Garden Reach Shipbuilders & Engineers Ltd. produced 906 tons of Ship Building, 36 Nos. of Deck Machinery & Pumps, 4,848 MT of General Engineering and 4 Nos. of Diesel Engine during the year 2016-17 as against the production of 2,809 tons of Ship Building, 58 Nos. of Deck Machinery & Pumps, 3,957 MT of General Engineering and 2 Nos. of Diesel Engine in the previous year.

The information in respect of five CPSEs for the last three years is given in the Table 4.7 below: -

**Table 4.7 CPSEs & Product-wise detail of Capacity (Transportation Vehicle & Equipment)**

SI. No.	CPSE	Product	Installed Capacity (2016-17)	Capacity Utilisation (%)		
				2016-17	2015-16	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Cochin Shipyard Ltd.	Ship Building	1,50,311 DWT	101	101	103
2	Goa Shipyard Ltd.	Shipbuilding	0.99 SSU	120	123	87
3	Hindustan Shipyard Ltd.	Shipbuilding	34409 CGT	56	48	47

4	Hindustan Aeronautics Ltd.	Manufacture of aircraft and helicopter and ROH	268.43 Lakh SMH	108	106	110
5	Garden Reach Shipbuilders & Engineers Ltd	Ship Building	3235.37 Tonne	28	87	111
		Deck Machinery & Pumps	75 No.	48	77	60
		General Engineering	3591.11 MT	135	110	99
		Diesel Engine	80 Nos.	5	2	15

DWT-Deadweight tonnage, CGT-Compensated Gross Tonnage

#### 4.1.1.8 Electricity Generation

- NTPC Limited generated 250 Billion Units of Electricity during 2016-17 as against 242 Billion Units during the previous year.
- NHDC Limited generated 4748.50 Million Units of Electricity during 2016-17 as against 2933 Million Units of Electricity during the previous year.
- North Eastern Electric Power Corporation Ltd. generated 5,472 Million Units of Electricity during 2016-17 as compared to 5,220 Million Units in the previous year.
- Nuclear Power Corporation of India Ltd. generated 40,001 Million Units of Electrical Power during 2016-17 as compared to 37,456 Million Units in the previous year.
- NHPC Limited generated 23,275 Million Units of Electricity during 2016-17 as compared to 23,683 Million Units in the previous year.
- SJVN Limited generated 9,045 MU of electricity during the year 2016-17 as compared to 9,346 MU during the previous year.
- THDC India Limited generated 4,371 Million Units of Electricity during 2016-17 as compared to 4,348 Million Units in the previous year.
- NLC India Limited generated 21,033 MU of power during the year 2016-17 as compared to 19,182 MU during the previous year.
- NLC Tamil Nadu Power Limited generated 6,253 MU of Electricity during 2016-17 as compared to 3,655 MU during the previous year.
- Kanti Bijlee Utpadan Nigam Ltd. generated 769.88 MU of power during the year 2016-17 as compared to 778.96 MU during the previous year.

The information in respect of ten CPSEs for the last three years is given in the Table 4.8 below: -

**Table 4.8 CPSEs & Product-wise detail of Capacity (Electricity Generation)**

SI. No.	CPSE	Product	Installed Capacity (2016-17)	Capacity Utilization (%)		
				2016-17	2015-16	2014-15
1	NTPC Limited	Electricity	318.51 Billion KWH	79	79	80
2	NHDC Limited	Electricity	5076 MU	94	93	90
3	North Eastern Electric Power Corporation Ltd.	Electricity	6585 MU	83	83	79
4	Nuclear Power Corporation of India	Electricity	50001 MU	80	75	82

5	NHPC Limited	Electricity	27904 MU	83	82	77
6	SJVN Limited	Electricity	8669.61 MU	104	104	105
7	THDC India Ltd.	Electricity (Hydro)	5533 MU	79	78	79
8	NLC India Limited	Power (Thermal)	33013 MU	64	59	82
9	NLC Tamil Nadu Power Limited	Electricity	8759.8 MU	71	42	NA
10	Kanti Bijlee Utpadan Nigam Ltd.	Electricity	1992.96 MU	39	40	66

(MU – Million Units, KWH- Kilo Watt Hour)

#### 4.1.1.9 Fertilizers

- Brahmaputra Valley Fertilizer Corporation Ltd. Produced 3,10,605 MT of urea during 2016-17 as against the production of 3,22,645 MT in the previous year.
- Madras Fertilizers Ltd. produced 48,895 MT of NPK, 111 MT of Bio-fertilizers and 4,68,438 MT of Urea during 2016-17. The corresponding production figures for the previous year were 34,816 MT of NPK, 277 MT of Bio-fertilizers and 4,07,311 MT of Urea.
- National Fertilizers Ltd. produced 38.10 lakh MT of urea and 522 MT of Bio-fertilizers during 2016-17 as against the production of 37.99 lakh MT of urea and 567 MT of Bio-fertilizers during the previous year.
- Rashtriya Chemicals & Fertilizers Ltd. produced 21,44,000 MT of Urea Thal, 4,65,307 MT of Suphala, 22,084 MT of Concentrated Nitric Acid and 4,07,590 MT of Urea Trombay during 2016-17 as against the production of 20,96,800 MT of Urea Thal, 4,61,385 MT of Suphala, 23,664 MT of Concentrated Nitric Acid and 4,49,540 MT of Urea Trombay during the previous year.
- Fertilizers & Chemicals (Travancore) Ltd. produced 1,52,953 MT of Ammonium Sulphate and 6,40,321 MT of FACTAMFOS during 2016-17 as against the production of 79,567 MT of Ammonium Sulphate and 5,15,435 MT of FACTAMFOS during the previous year.

The capacity utilization by the five CPSEs during the last 3 years is given in the Table 4.9 below:-

**Table 4.9 CPSEs & Product-wise detail of Capacity (Fertilizers)**

SI. No.	CPSE	Product	Installed Capacity (2016-17)	Capacity Utilization (%)		
				2016-17	2015-16	2014-15
1	Brahmaputra Valley Fertilizer Corporation Ltd.	Urea	3,90,011 MT	80	83	92
2	Madras Fertilizers Ltd.	NPK	840,120 MT	6	4	9
		Urea	4,86,739 MT	96	87	68
		Bio Fertilizers	400 MT	28	69	87
3	National Fertilizers Ltd.	Bio Fertilizers	659.67 MT	79	86	48
		Urea	35.67LMT	107	107	102

4	Rashtriya Chemicals & Fertilizers Ltd.	Urea Thal	1985185.19 MT	108	106	110
		Suphala (15:15:15)	419195.5 MT	111	110	94
		Concentrated Nitric Acid	32961.19 MT	67	72	78
		Urea Trombay	328701.61 MT	124	136	128
5	Fertilizers & Chemicals (Travancore) Ltd.	Ammonium Sulphate	224997.06 MT	68	35	53
		Factamfos	633981.19 MT	101	81	97

(MT – Metric Tonne)

#### 4.1.1.10 Chemicals and Pharmaceuticals

The details of capacity utilization in respect of eight CPSEs are given below:-

- Hindustan Antibiotics Limited produced 1,136 lacs of Formulation during the year 2016-17. The comparative figures for the previous year were 1,445 lacs of Formulation
- Hindustan Fluorocarbons Ltd. produced 41 MT PTFE (Poly Tetra Fluoro ethylene) during 2016-17 as against the production of 41 MT during the previous year.
- Hindustan Organic Chemicals Ltd. produced 40,802 MT of Phenol, Acetone, Hydrogen Peroxide and Formadehyde during the year 2016-17 as compared to 25,905 MT during the previous year.
- Indian Medicines & Pharmaceutical Corpn. Ltd. produced 1,06,071 Kg of Tablets, 2,33,780 Kg of Choorna, 2,23,668 Kg of Avaleha & Pak, 1,39,186 Liter of Syrup and 90,173 Kg of Taila during the year 2016-17 as compared to 77,411 Kg of Tablets, 95,835 Kg of Choorna, 2,07,816 Kg of Avaleha & Pak, 1,01,192 Liter of Syrup and 44,799 Kg of Taila during the previous year.
- Karnataka Antibiotics & Pharmaceuticals Ltd. produced 514 lakhs vials, 13,178 lakhs tablets, and 2,131 lakhs capsules during 2016-17. The company produced 548 lakhs vials, 11,000 lakhs tablets, and 2,231 lakhs capsules during 2015-16.
- Bengal Chemicals & Pharmaceuticals Ltd. produced 4,255 MT of Alum, 10.56 Crores Tablets, 7.59 Crores Capsules and 1697 KL Pheneol during 2016-17. The company produced 4,081 MT of Alum, 20.07 Crores Tablets, 7.19 Crores Capsules and 1,589 KL Pheneol during 2015-16.
- Brahamputra Crackers & Polymer Ltd. produced 99,541 MT of LLDPE/HDPE/PP during 2016-17. The company produced 3,349 MT of LLDPE/HDPE/PP in 2015-16.
- Goa Antibiotics & Pharmaceuticals Ltd. produced 6,91,81,218 No. of Capsules, 5,75,443 Ltrs of Syrup, 21,38,39,330 Nos. of Tablets and 1,31,06,739 Nos. of Vials during the year 2016-17. The company produced 2,49,00,000 No. of Capsules, 8,87,000 Ltrs of Syrup, 17,28,00,000 Nos. of Tablets and 68,02,000 nos. of Vials during the year 2015-16.

The capacity utilization by the Eight CPSEs during the last 3 years is given in the Table 4.10 below:-

**Table 4.10 CPSEs & Product-wise detail of Capacity (Chemicals and Pharmaceuticals)**

SI. No.	CPSE	Product	Installed Capacity (2016-17)	Capacity Utilization (%)		
				2016-17	2015-16	2014-15
1	Hindustan Antibiotics Limited.	Formulation	20692.17 Lacs	5	12	13
2	Hindustan Fluorocarbons Ltd.	PTFE	512.5 MT	8	8	21
3	Hindustan Organic Chemicals Ltd.	Phenol, Acetone, Hydrogen Peroxide, Formadehyde	204010 MT	20	11	19

4	Indian Medicines & Pharmaceutical Corpn. Ltd.	Tablets & Pills	200000 Kg.	53	39	60
		Choorna	600000 Kg.	39	16	14
		Avaleha & Pak	250000 Kg.	89	83	59
		Syrup	300000 Liter	46	34	94
		Taila	300000 KG.	30	15	32
5	Karnataka Antibiotics & Pharmaceuticals Ltd.	Vials	618 lakhs.	83	89	93
		Tablets	7000 lakhs	188	157	120
		Capsules	1000 lakhs	213	223	143
6	Brahamputra Crackers & Polymer Ltd.	LLDPE/HDPE/PP	270933.59 MT	37	5	0
7	Goa Antibiotics & Pharmaceuticals Ltd.	Capsules	190006091 in nos.	36	14	82
		Syrup	1799946 Ltrs.	32	49	56
		Tablets	239999248 nos.	89	72	64
		Vials	14999701 nos.	87	45	27

(L – Litres; MT – Metric Tonne)

#### 4.1.1.11 Industrial & Consumer Goods

- HLL Life care Ltd. (formerly Hindustan Latex Ltd.) produced 1847 million pieces of Condoms 9.26

million pieces of blood bags, 2.03 L.Do of Suture, 12.55 million pieces of pregnancy test cards during the year 2016-17 as compared to 1,795 million pieces of condoms, 11.80 million pieces of blood bags, 1.91 L.Do of Suture, 8.55 million pieces of pregnancy test cards in the previous year.

- Hindustan Newsprint Ltd. produced 91,831 MT of newsprint during the year 2016-17 as compared to 1,00,501 MT during the previous year.
- Hindustan Salts Ltd. produced 329 MT Bromine during the year 2016-17 as compared to 264 MT during the previous year.
- Security Printing and Minting Corporation of India Ltd. produced 9,681 Million pieces of Circulation Coins, 8,785 Million pieces of Bank Notes, 15.577 Million pieces Passport and Allied Booklets and 281 Million pieces of Non-Judicial Stamp Paper during the year 2016-17 as compared to 9,254 Million pieces of Circulation Coins, 7,150 Million pieces of Bank Notes, 15.277 Million pieces Passport and Allied Booklets and 289 Million pieces of Non-Judicial Stamp Paper during the previous year.
- Artificial Limbs Mfg. Corpn. Of India produced 92,970 pieces of Tricycles, 48,905 Nos. of Wheel Chairs, 80,779 Nos. of Crutches and 1,21,367 Nos. of Hearing Aids during the year 2016-17 as compared to 80,490 pieces of Tricycles, 41,309 Nos. of Wheel Chairs, 62,991 Nos. of Crutches and 48,544 Nos. of Hearing Aids during the previous year.



- Cement Corporation of India Limited produced 7,90,531 MT of cement during the year 2016-17 as compared to 9,12,870 MT during the previous year.
  - NEPA Limited produced 4,482 MT of newsprint during the year 2016-17 as compared to 21,825 MT during the previous year.
- The information relating to capacity utilization in respect of seven CPSEs for the last 3 years is given in the Table 4.11 below:-

**Table 4.11 CPSEs & Product-wise detail of Capacity (Industrial & Consumer Goods)**

SI.No.	CPSE	Product	Installed Capacity (2016-17)	Capacity Utilization (%)		
				2016-17	2015-16	2014-15
1	HLL Lifecare Ltd.	Condoms	1892 M.Pcs	98	95	101
		Blood Bags	12.51 M.Pcs	74	94	100
		Suture	6.0 L.DoZ	34	32	29
		Pregnancy Test Card	26 M. Pcs.	48	33	53
		Suture	5.97 LDoz	34	32	29
2	Hindustan Newsprint Ltd.	Newsprint	100000 MT	92	100	102
3	Hindustan Salts Ltd.	Bromine	900 MT	60	59	34
4	Security Printing and Minting Corpn. of India Ltd.	Circulation Coins	7334.09 M.Pcs.	132	126	120
		Bank Notes	6917.32 M.Pcs	127	104	127
		Non Judicial Stamp Paper	319.32 M.Pcs	88	90	129
		Passport and Allied Booklets	12.46 M.Pcs	125	122	85
5	Artificial Limbs Mfg. Corpn. Of India	Tricycles	78000 Nos.	119	103	99
		Wheel Chairs	30000 Nos.	163	138	116
		Crutches	62400 Nos.	129	101	102
		Hearing Aids	85200 Nos.	142	57	91
6	Cement Corporation of India Limited	Cement	38.98 Lakh Ton	20	23	24
7	NEPA Limited	Newsprint	8964000 MT	0.05	25	34

(M.Pcs – Million Pieces; MT – Metric Tonne; LDoz – Lakh Dozen)

#### 4.1.1.12 Textiles

The Information on capacity utilization for the last three years in respect of one CPSEs is presented in the Table 4.12 below:-

- National Textile Corpn. Ltd. produced 521.95 KGS and Mtrs of Yarn and Cloth during 2016-17 as against 562.02 KGS and Mtrs during the previous year.

**Table 4.12 CPSEs & Product-wise detail of Capacity (Textiles)**

SI. No	CPSE	Product	Installed Capacity (2016-17)	Capacity Utilization (%)		
				2016-17	2015-16	2014-15
1	National Textile Corpn. Ltd.	Yarn	615.43 KGs	85	87	85

#### 4.1.1.13 Crude Oil

- Oil and Natural Gas Corporation Ltd. produced 2,55,34,311 MT of Crude Oil, 2,32,69,961 CUM of Natural Gas, 13,54,700 MT of LPG and 11,01,231 MT of Naphtha during 2016-17 as against 2,59,27,483 MT of Crude Oil, 2,25,29,541 CUM of Natural Gas, 11,95,162 MT of LPG and 10,42,624 MT of Naphtha during the previous year.
- Oil India Limited produced 3.277 MMT of Crude Oil, 2,937 MMSCM of Natural Gas and 35 TMT of LPG during 2016-17 as against 3.242 MMT of Crude Oil, 2,837.94 MMSCM of Natural Gas and 41.03 TMT of LPG during the previous year.
- ONGC Videsh Limited produced 8.434 MMT of Crude Oil and 4.369 BCM of Natural Gas during 2016-17 as against 5.510 MMT of Crude Oil and 3.406 BCM of Natural Gas during the previous year.
- Prize Petroleum Company Limited produced 37,058 Barrels of Crude Oil & Gas as against 38,517 Barrels during the previous year.

Information relating to production and capacity utilization in respect of four CPSEs for the last 3 years is given in the Table 4.13 below:-

**Table 4.13 CPSEs & Product-wise detail of Capacity (Crude Oil)**

Sl.No.	CPSE	Product	Unit	Production		
				2016-17	2015-16	2014-15
1	Oil and Natural Gas Corporation Ltd.	Crude Oil	MT	25534311	25927483	25942775
		Natural Gas	CUM	23269961	22529541	23523675
		LPG	MT	1354700	1195162	1095081
		Naphtha	MT	1101231	1042624	1154660
2	Oil India Ltd.	Crude Oil	MMT	3.277	3.242	3.244
		Natural Gas	MMSCM	2937	2837.94	2722.21
		LPG	TMT	35	41.03	43.57
3	ONGC Videsh Limited	Crude Oil	MMT	8.434	5.510	5.533
		Natural Gas	CUM	4.369	3.406	3.341
4	Prize Petroleum Company Limited	Crude Oil & Gas	Barrels	37058	38517	38898

(MMT – Million Metric Tonne; CUM – Cubic Metre; KL – Kilo Litre; MMSCM – Million Metric Standard Cubic Metre; MT – Metric Tonne)

#### 4.1.2 Inventory Management

##### 4.1.2.1 Overall Analysis

Inventory is essential ingredient for companies to support their production line and customer requirements. Inventory requirements at a given company vary based on customer support requirements and type of business. Hence it differs from industry to industry and may vary from location to location. While the industry and service levels influence inventory practices, ratio of cost of production to average value of inventory termed as Inventory Turnover is frequently used to measure inventory management performance. This ratio measures how

far the inventory is moving through the firm and generating sales.

The inventory management in public enterprises has been increasing / decreasing over the years. The inventory level, which was 69 days cost of production / inventory turnover ratio as on 31.3.1998, had declined to 42 days of cost of production / inventory turnover ratio as on 31.3.2004. However during last 13 years the inventory level has been increasing again and as on 31.03.2017 it was 58 days. The overall position of inventory management during the last 20 years is depicted in the Table 4.14 below:

**Table 4.14 Inventory Details**

Year ending	Value of Inventory (₹ in crore)	Cost of Production (₹ in crore)	Inventory Turnover Ratio	Inventory in No. of days
(1)	(2)	(3)	(3)/(2)	(2)/(3)*365 Or 365/(4)
			(4)	(5)
31.3.1998	41661	218940	5.26	69
31.3.1999	44404	278720	6.28	58
31.3.2000	52414	354446	6.76	54
31.3.2001	50717	425100	8.38	44
31.3.2002	52175	431362	8.27	44
31.3.2003	58282	466444	8.00	46
31.3.2004	59705	513334	8.60	42
31.3.2005	73642	626427	8.51	43
31.3.2006	90885	714841	7.87	46
31.3.2007	101527	836922	8.24	44
31.3.2008	128688	958346	7.45	49
31.3.2009	126327	1147734	9.09	40
31.3.2010	161798	1087601	6.72	54
31.3.2011	191754	1293759	6.75	54
31.3.2012	233974	1558125	6.66	55
31.3.2013	230736	1586040	6.87	53
31.3.2014	252119	1678184	6.66	55
31.3.2015	215891	1589823	7.36	50
31.3.2016	179714	1341236	7.46	49
31.3.2017	219646	1382129	6.29	58

The above figures do not include inventory held by the Food Corporation of India and the Cotton Corporation of India Ltd. and Jute Corporation of India as these Corporations make large scale purchases and maintain stocks. Further, the public sector enterprises operating in Contract & Construction and Tech. Consultancy Services, Hotel and Tourist Services and Financial Services have also been excluded from the review in this chapter.

#### 4.1.2.2 Cognate Group-Wise Analysis

The public enterprises have been grouped into various cognate groups depending upon the nature of their activities. The analysis of inventory management is based on these groupings.

Table 4.15 below shows the level of inventory position in CPSEs cognate group wise during the last two years.

Table 4.15 Group wise Inventory Analysis

Cognate Groups	Inventory as on 31.03.2016		Inventory as on 31.03.2017	
	Value	Level of Inventory in No. of days	Value	Level of Inventory in No. of days
	(₹ in crore)		(₹ in crore)	
	2015-16	2016-17		
(a) Agriculture Sector				
1. Agro-based Industries	310.45	124	263.78	81
<b>Total</b>	<b>310.45</b>	<b>124</b>	<b>263.78</b>	<b>81</b>
(b) Power Sector				
1. Power Generation	9380.47	43	10080.88	42
2. Power Transmission	724.54	31	906.99	30
<b>Total</b>	<b>10105.01</b>	<b>42</b>	<b>10987.87</b>	<b>41</b>
(c) Manufacturing, Processing & Generation Sector				
1. Chemicals & Pharmaceuticals	723.94	42	1045.11	47
2. Industrial and Consumer Goods	2592.05	123	2448.8	105
3. Fertilizers	2293.85	44	2228.02	46
4. Heavy and Medium Engineering	47124.88	253	42427.2	221
5. Petroleum (Refinery & Mktg.)	73170.47	35	109650.1	51
6. Steel	18782.56	123	20687.9	125
7. Textiles	361.5	80	303.48	69
8. Transportation Vehicle & Equipment	1696.28	214	1974.45	298
<b>Total</b>	<b>146745.5</b>	<b>58</b>	<b>180765.1</b>	<b>70</b>
(d) Mining & Exploration Sector				
1. Coal	7561.76	43	8935.89	46
2. Crude Oil	7642.07	38	8272.46	40
3. Other Minerals & Metals	2683.35	71	3476.98	75
<b>Total</b>	<b>17887.18</b>	<b>43</b>	<b>20685.33</b>	<b>46</b>
(e) Services Sector				
1. Telecommunication & Information Technology	233.62	2	227.36	2
2. Trading & Marketing Services	747.12	7	2765.78	28
3. Transport and Logistic Services	3685.54	15	3950.64	16
<b>Total</b>	<b>4666.28</b>	<b>10</b>	<b>6943.78</b>	<b>15</b>
<b>All Cognate Groups</b>	<b>179714.5</b>	<b>49</b>	<b>219645.8</b>	<b>58</b>

It can be seen that lowest inventory is in Services sector followed by Mining & Exploration Sector, Manufacturing, Processing & Generation Sector and Agriculture Sector.

The level of inventory has gone up in 10 cognate groups and in case of 6 groups viz. Agro Based Industries, Power Generation & Power Transmission, Heavy & Medium Engineering, Industrial and Consumer Goods and Textiles and there is reduction in the level of inventory in terms of number of days cost of production / inventory turnover ratio, whereas Telecommunication & Information Technology group has shown no change.

Overall level of inventory which was 49 days cost of production/ inventory turnover ratio during 2015-16 has gone up to the level of 58 days cost of production/ inventory turnover ratio during 2016-17.

### A. Agro-Based Industries

The value of inventory held by 5 companies belonging to this group was ₹ 263.78 crore at the end of 2016-17 as compared to ₹ 310.45 crore at the end of the previous year. The level of inventory

was at the level of 81 days at the end of 2016-17 as compared to 124 days at the end of previous year. The company wise break-up of inventory is given in the Table 4.16 below:

**Table 4.16 Inventory Details (Agro-Based Industries)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORPLTD	1.39	1.39	26.17	26.17	19	19
2	CREDA HPCL BIOFUEL LTD.	0	0	0.49	0.07	0	0
3	HPCL BIOFUELS LTD.	139.94	49.38	160.3	337.73	319	53
4	INDIAN OIL-CREDA BIOFUELS LTD.	0	0	0.19	6.27	0	0
5	NATIONAL SEEDS CORPN. LTD.	169.12	213.01	728.85	815.41	85	95
<b>SUB TOTAL :</b>		<b>310.45</b>	<b>263.78</b>	<b>916.00</b>	<b>1185.65</b>	<b>124</b>	<b>81</b>

Of the 5 public enterprises under this group, one (1) public enterprise could reduce the level of inventory during 2016-17 as compared to the previous year and the level of inventory increased in the case of another one (1) public enterprise. There is no inventory in the case of two (2) CPSEs namely CREDA HPCL Biofuel Ltd. and Indian Oil-CREDA Biofuels Ltd. and there is no change in information in respect of one (1) Andaman & Nicobar Isl. Forest & Plant. Dev. Corp. Ltd

### B. Power Generation

The value of inventory held by 12 electricity generating companies as on 31.3.2017 was ₹ 10080.88 crore as compared to ₹ 9,380.47 crore at the end of previous year. The level of inventory was 42 days as on 31.3.2017 as against 43 days as on 31.3.2016. The company wise break-up of inventory is given in the Table 4.17 below:

**Table 4.17 Inventory Details (Power Generation)**

S. No.	Name of the Company	Value Of Inventory		Cost Of Production		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	BHARTIYA RAIL BIJLEE CO. LTD.	0	13.94	0.03	48.19	0	106
2	KANTI BIJLEE UTPADAN NIGAM LTD.	40.24	34.83	435.72	419.12	34	30

3	NHDC LTD.	8.81	9.17	320.77	345.17	10	10
4	NHPC LTD.	84	91.64	4643.37	4896.01	7	7
5	NLC INDIA LTD.	1294.64	1813.24	6010.73	6844.1	79	97
6	NLC TAMIL NADU POWER LTD.	214.28	522.76	1158.52	2031.24	68	94
7	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	142.51	134.36	1288.52	1030.88	40	48
8	NTPC LTD.	7010.37	6504.81	58116.98	62574.25	44	38
9	NUCLEAR POWER CORPN. OF INDIA LTD.	514.51	851.38	5971.35	6595.81	31	47
10	PATRATU VIDYUT UTPADAN NIGAM LTD.	0	32.55	0.01	177.33	0	67
11	SJVN LTD.	39.21	39.56	1118.26	1169.05	13	12
12	THDC INDIA LTD.	31.9	32.64	905.32	979.4	13	12
<b>SUB TOTAL :</b>		<b>9380.47</b>	<b>10080.88</b>	<b>79969.58</b>	<b>87110.55</b>	<b>43</b>	<b>42</b>

Of the 12 public enterprises under this group, 4 public enterprises could reduce the level of inventory during 2016-17 as compared to the previous year while in the case of 6 public enterprises there has been increase in the level of inventory and no change in case of two (2) CPSEs.

### C. Power Transmission

The value of inventory held by 8 electricity generating companies as on 31.3.2017 was ₹ 906.99 crore as compared to ₹ 724.54 crore at the end of previous year. The level of inventory was 30 days as on 31.3.2017 as against 31 days as on 31.3.2016. The company wise break-up of inventory is given in the Table 4.18 below:

**Table 4.18 Inventory Details (Power Transmission)**

S. No.	Name of the Company	Value of Inventory		Cost of Production		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0.04	0.16	0	0
2.	POWER GRID CORPORATION OF INDIA LTD.	707.43	906.95	8567.86	10707.87	30	31
3.	POWER GRID WARORA TRANSMISSION LTD.	0	0	0	0.38	-	0
4.	POWERGRID NM TRANSMISSION LTD.	0	0	0	25.92	-	0
5.	POWERGRID UNCHAHAR TRANSMISSION LTD.	0	0	0	2.21	-	0
6.	POWERGRID VIZAG TRANSMISSION LTD.	0	0	2.08	47.74	0	0
7.	REC POWER DISTRIBUTION CO. LTD.	17.11	0.04	96.1	130.9	65	0
8.	REC TRANSMISSION PROJECTS CO. LTD.	0	0	0.95	2.22	0	0
<b>SUB TOTAL :</b>		<b>724.54</b>	<b>906.99</b>	<b>8667.03</b>	<b>10917.4</b>	<b>31</b>	<b>30</b>



Of the 8 public enterprises under this group, one (1) public enterprise could reduce the level of inventory during 2016-17 as compared to the previous year while in the case of another (1) public enterprise there has been increase in the level of inventory. Six (6) CPSEs has shown level of inventory as Nil.

## D. Chemicals & Pharmaceuticals

The value of inventory held by 17 enterprises belonging to this group as on 31.3.2017 was ₹ 1045.11 crore representing 47 days cost of production as compared to ₹ 723.94 crore representing 42 days of inventory as on 31.3.2016. The company wise inventory position for last two years is given in Table 4.19 below:-

**Table 4.19 Inventory Details (Chemicals & Pharmaceuticals)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	14.63	14.67	105.47	90.67	51	59
2.	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	22.47	0.37	135.98	112.48	60	1
3.	BRAHAMPUTRA CRACKERS & POLYMER LTD.	252.38	377.74	246.92	1191.15	373	116
4.	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	3.5	5.99	41.55	62.23	31	35
5.	HINDUSTAN ANTIBIOTICS LTD.	5.69	7.79	70.6	70.15	29	41
6.	HINDUSTAN FLUOROCARBONS LIMITED	7.41	5.37	43.54	35.94	62	55
7.	HINDUSTAN INSECTICIDES LTD.	79.57	87.46	308.21	347.83	94	92
8.	HINDUSTAN ORGANIC CHEMICALS LTD.	31.32	43.92	221.84	309.86	52	52
9.	HLL BIOTECH LTD.	0.71	1.46	6.36	9.26	41	58
10.	IDPL (TAMILNADU) LTD.	1.74	2.13	9.77	7.8	65	100
11.	INDIAN DRUGS & PHARMACEUTICALS LTD.	13.98	15.33	95.89	74.55	53	75
12.	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	15.63	22.67	40.03	62.87	143	132
13.	INDIAN VACCINE CORP. LTD.	0	0	1	0.78	0	0
14.	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	45.76	53.52	282.98	328.28	59	60
15.	ONGC MANGALORE PETROCHEMICALS LTD.	220.25	397.79	4583.12	5300.2	18	27
16.	ORISSA DRUGS & CHEMICALS LTD.	3.9	3.9	18.5	18.5	77	77
17.	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	5	5	38.89	38.89	47	47
<b>SUB TOTAL :</b>		<b>723.94</b>	<b>1045.11</b>	<b>6250.65</b>	<b>8061.44</b>	<b>42</b>	<b>47</b>

Of the 17 public enterprises, 2 CPSEs reduce the level of inventory during 2016-17 as compared to the previous year while in case of 12 public enterprises there has been increase in the level of inventory. There is no change in case of two (2) CPSEs during the year and one (1) CPSE has shown no inventory during the year.

## E. Industrial and Consumer Goods

In this group, 13 companies held an inventory valued at ₹ 2448.8 crore representing 105 days of inventory during the year 2016-17. This is lower than last year's inventory, which was valued at ₹ 2592.05 crore held by them during the previous year representing 123 days.

The company wise break-up of inventory is given in the Table 4.20 below:

**Table 4.20 Inventory Details (Industrial and Consumer Goods)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	ANDREW YULE & COMPANY LTD.	45.77	46.69	371.15	403.92	45	42
2.	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	36.57	43	162.49	193.32	82	81
3.	CEMENT CORPN. OF INDIA LTD.	134.95	133.52	400.39	399.77	123	122
4.	HINDUSTAN NEWSPRINT LTD.	84.76	51.62	350.84	415.57	88	45
5.	HINDUSTAN PAPER CORPORATION LTD.	189.84	189.84	744.61	744.61	93	93
6.	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	7.41	7.58	44.26	37.39	61	74
7.	HINDUSTAN SALTS LTD.	1.75	2.22	8.22	9.94	78	82
8.	HLL LIFECARE LTD.	96.83	153.66	977.95	1062.65	36	53
9.	HOOGHLY PRINTING COMPANY LTD.	1.31	1.23	16.18	16.15	30	28
10.	NAGALAND PULP & PAPER COMPANY LTD.	0.19	0.19	10.21	10.21	7	7
11.	NEPA LTD.	20.02	11.54	129.5	86.38	56	49
12.	SAMBHAR SALTS LTD.	8.4	9.86	23.2	22.11	132	163
13.	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	1964.25	1797.85	4432.44	5070.72	162	129
<b>SUB TOTAL :</b>		<b>2592.05</b>	<b>2448.8</b>	<b>7671.44</b>	<b>8472.74</b>	<b>123</b>	<b>105</b>

The level of inventory has decreased in 5 public enterprises during 2016-17 and increased in 6 public enterprises, whereas there is no change in case of two (2) CPSEs namely Hindustan Paper Corporation Ltd. and Nagaland Pulp & Paper Company Ltd.

held by them as on 31.3.2017 was ₹ 2228.02 crore representing 46 days of inventory as compared to an inventory value of ₹ 2293.85 crore representing 44 days at the end of previous year.

The company wise break-up of inventory is given in the Table 4.21 below:

## F. Fertilizers

In 2016-17, there were 7 companies engaged in the production of fertilizers. The value of inventory

**Table 4.21 Inventory Details (Fertilizers)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	42.96	60.57	618.23	455.14	25	49
2.	FERTILIZER CORPN. OF INDIA LTD.	10.68	8.79	16.43	53.15	237	60

3.	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	388.62	445.57	1977.38	1812.96	72	90
4.	HINDUSTAN FERTILIZER CORPN. LTD.	0	0	21.26	4.71	0	0
5.	MADRAS FERTILIZERS LTD.	211.07	344.64	1239.98	1357.72	62	93
6.	NATIONAL FERTILIZERS LTD.	485.6	575.15	7323.6	7193.18	24	29
7.	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	1154.92	793.3	7773.71	6823.44	54	42
<b>SUB TOTAL :</b>		<b>2293.85</b>	<b>2228.02</b>	<b>18970.59</b>	<b>17700.3</b>	<b>44</b>	<b>46</b>

The level of value of inventory in two (2) CPSEs has reduced during 2016-17 and level of inventory has increased in four (4) CPSEs during the year. (1) Company, namely, Hindustan Fertilizer Corpn. Ltd. did not hold any inventory during the year.

crore representing 221 days cost of production as on 31.3.2017 as against a total inventory valued at ₹ 47124.88 crore representing 253 days as on 31.3.2016. The company wise break-up of inventory is given in the Table 4.22 below:

### G. Heavy & Medium Engineering

The value of inventory held by the 35 public enterprises belonging to this group was ₹ 42427.2

**Table 4.22 Inventory Details (Heavy & Medium Engineering)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)					
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	BALMER LAWRIE & CO. LTD.	119.77	151.7	1412.55	1520.8	31	36
2.	BEL OPTRONICS DEVICES LTD.	26.06	29.51	106.65	105.42	89	102
3.	BEL-THALES SYSTEMS LTD.	0	0	3.4	4.76	0	0
4.	BHARAT DYNAMICS LTD.	2057.66	2240.01	3344.71	4029.23	225	203
5.	BHARAT ELECTRONICS LTD.	4132.12	4855.76	6128.31	7041.69	246	252
6.	BHARAT HEAVY ELECTRICALS LTD.	9602.15	7372.38	27982.15	28392.27	125	95
7.	BHARAT PUMPS & COMPRESSORS LTD.	47.08	47.78	116.63	133.48	147	131
8.	BHARAT WAGON & ENGG. CO. LTD.	5.54	6.78	17.14	20.82	118	119
9.	BHEL ELECTRICAL MACHINES LTD.	6.29	7.33	42.95	35.73	53	75
10.	BRAITHWAITE & CO. LTD.	29.7	32.45	123.71	154.19	88	77
11.	BURN STANDARD COMPANY LTD.	38.4	57.02	160.73	218.27	87	95

12.	CENTRAL ELECTRONICS LTD.	53.51	67.73	185.8	251.92	105	98
13.	COCHIN SHIPYARD LTD.	231.64	186.47	1675.72	1717.92	50	40
14.	ELECTRONICS CORPN. OF INDIA LTD.	240.19	281.15	1337.92	1340.04	66	77
15.	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	654.56	496.45	1602.37	1128.69	149	161
16.	GOA SHIPYARD LTD.	621.31	470.22	692.76	923.12	327	186
17.	HEAVY ENGINEERING CORPN. LTD.	163.24	128.18	595.73	478.34	100	98
18.	HINDUSTAN AERONAUTICS LTD.	23997.78	21340.39	15149.72	15403.29	578	506
19.	HINDUSTAN CABLES LTD.	2	1.62	166.3	371.93	4	2
20.	HINDUSTAN SHIPYARD LTD.	299.39	83.98	615.56	565.59	178	54
21.	HMT BEARINGS LTD.	5	3.54	14.1	5.55	129	233
22.	HMT CHINAR WATCHES LTD.	2.5	0	2.55	5.24	358	0
23.	HMT LTD.	25.23	18.58	17.94	63.76	513	106
24.	HMT MACHINE TOOLS LTD.	117.72	112.5	277.38	279.14	155	147
25.	HMT WATCHES LTD.	25.48	9.1	55.92	42.91	166	77
26.	HOOGLY DOCK AND PORT ENGINEERS LTD.	95.13	95	41.23	8.91	842	3892
27.	I T I LTD.	103.83	142.29	1379.08	1611.2	27	32
28.	INSTRUMENTATION LTD.	41.07	39.87	164.77	131.99	91	110
29.	MAZAGON DOCK SHIPBUILDERS LTD.	4244.67	4028.65	3953.47	3442.68	392	427
30.	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	18.66	21.59	196.45	211.96	35	37
31.	RICHARDSON & CRUDDAS(1972) LTD.	0.89	2.38	28.9	30.98	11	28
32.	SAIL REFRACTORY COMPANY LTD.	28.71	24.74	95.95	101.39	109	89
33.	SCOOTERS INDIA LTD.	80.49	66.05	141.51	109.89	208	219
34.	TUNGABHADRA STEEL PRODUCTS LTD.	0.67	0.67	4.16	4.16	59	59
35.	VIGNYAN INDUSTRIES LTD.	6.44	5.33	27.8	29.3	85	66
	<b>SUB TOTAL :</b>	<b>47124.88</b>	<b>42427.2</b>	<b>67862.02</b>	<b>69916.56</b>	<b>253</b>	<b>221</b>

Of the 35 public enterprises, 19 could reduce the level of inventory during 2016-17 as compared to the previous year while in the case of 14 companies there has been increase in the level of inventory. In case of

Tungabhadra Steel Products Ltd. there is no change and BEL-THALES Systems Ltd has no inventory during the year.

## H. Petroleum (Refinery & Marketing)

There are 6 companies operating in Petroleum (Refinery & Marketing) sector as on 31.3.2017. These companies have inventory valued at ₹ 109650.10 crore

as on 31.3.2017 as compared to ₹ 73170.47 crore at the end of previous year. The level of inventory was 51 days cost of production as on 31.3.2017 as against 35 days as on 31.3.2016. The company wise break-up of inventory is given in the Table 4.23 below:

**Table 4.23 Inventory Details – Petroleum (Refinery & Marketing)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	BHARAT PETROLEUM CORPN. LTD.	13792.86	19798.01	179224.61	193272.59	28	37
2.	CHENNAI PETROLEUM CORPORATION LTD.	3174.82	3207.13	33896.62	26093.76	34	45
3.	HINDUSTAN PETROLEUM CORPN. LTD.	13211.4	18576.28	172414.55	178981.94	28	38
4.	INDIAN OIL CORPORATION LTD.	38739.11	62401.14	330946.41	334315.07	43	68
5.	MANGALORE REFINERY & PETROCHEMICALS LTD.	3196.72	4039	38572.92	39179.77	30	38
6.	NUMALIGARH REFINERY LTD.	1055.56	1628.54	8283.40	8447.3	47	70
<b>SUB TOTAL :</b>		<b>73170.47</b>	<b>109650.1</b>	<b>763338.5</b>	<b>780290.4</b>	<b>35</b>	<b>51</b>

The value of inventory has increased in all of Petroleum (Refinery & Marketing) companies during 2016-17 as compared to the previous year.

## I. Steel

In this group, the value of inventory held by 4 companies was ₹ 20687.90 crore at the end of 2016-17

as compared to ₹ 18782.56 crore held by them at the end of 2015-16. The level of inventory has increased to 125 days cost of production at the end of the year 2016-17 as compared to 123 days at the end of 2015-16. The company wise break-up of inventory is given in the Table 4.24 below:

**Table 4.24 Inventory Details (Steel)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	FERRO SCRAP NIGAM LTD.	3.88	3.66	285.11	291.3	5	5
2.	MISHRA DHATU NIGAM LTD.	288.55	206.04	579.47	605.63	182	124
3.	RASHTRIYA ISPAT NIGAM LTD.	3810.6	4766.85	10393.68	12324.22	134	141
4.	STEEL AUTHORITY OF INDIA LTD.	14679.53	15711.35	44353.6	47094.32	121	122
<b>SUB TOTAL :</b>		<b>18782.56</b>	<b>20687.9</b>	<b>55611.86</b>	<b>60315.47</b>	<b>123</b>	<b>125</b>

The value of inventory has decreased in 2 public enterprises during 2016-17 as compared to the

previous year and increased in case of one (1) CPSE. Ferro Scrap Nigam Ltd. has shown no change.

## J. Textiles

There are 4 companies in Textiles sector as on 31.3.2017. The value of inventory held by companies belonging to this group was ₹ 303.48 crore at the end of 2016-17 as compared to an inventory of ₹ 361.50 crore at the end of previous year. The level

of inventory was 69 days cost of production during the year 2016-17 and 80 days at the end of previous year.

The company wise break-up of inventory is given in the Table 4.25 below:

**Table 4.25 Inventory Details (Textiles)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	BIRDS JUTE & EXPORTS LTD.	0	0.1	1.21	3.83	0	10
2.	BRITISH INDIA CORPORATION LTD.	4.19	4.02	46.82	39.08	33	38
3.	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	14.51	6.27	56.79	19.26	93	119
4.	NATIONAL TEXTILE CORPN. LTD.	342.8	293.09	1546.91	1543.48	81	69
	<b>SUB TOTAL :</b>	<b>361.5</b>	<b>303.48</b>	<b>1651.73</b>	<b>1605.65</b>	<b>80</b>	<b>69</b>

Out of 4 public enterprises in this group, the level of inventory increased in three (3) companies in year 2016-17 as compared to previous year. However the level of inventory reduced in NTC resulting in overall reduction in inventory for the group.

held by BEML was ₹ 1974.45 crore during the year 2016-17 as against ₹ 1696.28 crore during 2015-16. The level, which was 214 days cost of production at the end of previous year, has further increased to 298 days at the end of 2016-17.

## K. Transportation Vehicle & Equipment

Only one public enterprise is engaged in the production of transportation equipment. The value of inventory

The detail of inventory is given in the Table 4.26 below:

**Table 4.26 Inventory Details (Transportation Vehicle & Equipment)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	BEML LTD.	1696.28	1974.45	2895.82	2415.17	214	298
	<b>SUB TOTAL :</b>	<b>1696.28</b>	<b>1974.45</b>	<b>2895.82</b>	<b>2415.17</b>	<b>214</b>	<b>298</b>

## L. Coal

The value of inventory held by 8 public enterprises belonging to this group as on 31.3.2017 was ₹ 8935.89 crore as compared to ₹ 7561.76 crore at the end of previous year. The level of inventory was 46 days cost

of production as on 31.3.2017 as compared to 43 days at the end of previous year.

The company wise break-up of inventory is given in the Table 4.27 below:



**Table 4.27 Inventory Details (Coal)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	BHARAT COKING COAL LTD.	888.19	1289.47	8227.52	8679.13	39	54
2.	CENTRAL COALFIELDS LTD.	1491.26	2096.26	8112.58	8891.09	67	86
3.	COAL INDIA LTD.	152.41	68.44	650.52	919.19	86	27
4.	EASTERN COALFIELDS LTD.	764.21	603.3	9274.68	10144.39	30	22
5.	MAHANADI COALFIELDLS LTD.	425.59	322.13	8489.7	8550.96	18	14
6.	NORTHERN COALFIELDS LTD.	976.04	1091.01	6816.67	7999.06	52	50
7.	SOUTH EASTERN COALFIELDS LTD.	1829.42	1700.07	14377.05	16962.55	46	37
8.	WESTERN COALFIELDS LTD.	1034.64	1765.21	7761.36	8253.71	49	78
<b>SUB TOTAL :</b>		<b>7561.76</b>	<b>8935.89</b>	<b>63710.08</b>	<b>70400.08</b>	<b>43</b>	<b>46</b>

The value of inventory has decreased in 4 public enterprises during 2016-17 as compared to the previous year and increased in the case of 4 public enterprises.

valued at ₹ 8272.46 crore as on 31.3.2017 as compared to ₹ 7642.07 crore at the end of previous year. The level of inventory was 40 days cost of production as on 31.3.2017 as compared to 38 days at the end of previous year.

### M. Crude Oil

There are 5 companies operating in Crude Oil sector as on 31.3.2017. These companies had inventory

The company wise break-up of inventory is given in the Table 4.28 below:

**Table 4.28 Inventory Details (Crude Oil)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	BHARAT PETRO RESOURCES LTD.	0	0	73	186.43	0	0
2.	OIL & NATURAL GAS CORPORATION LTD.	5625.57	6165.32	56601.55	59018.61	36	38
3.	OIL INDIA LTD.	1001.58	1096.47	7118.93	7496.31	51	53
4.	ONGC VIDESH LTD.	1014.21	1009.96	8879.47	8385.2	42	44
5.	PRIZE PETROLEUM COMPANY LTD.	0.71	0.71	59.89	32.66	4	8
<b>SUB TOTAL :</b>		<b>7642.07</b>	<b>8272.46</b>	<b>72732.84</b>	<b>75119.21</b>	<b>38</b>	<b>40</b>

The value of inventory has decreased in 1 public enterprises during 2016-17 as compared to the previous year and increased in the case of 2 public enterprises In case of 2 CPSEs inventory level has not changed.

the year 2016-17 was ₹ 3476.98 crore representing 75 days cost of production as compared to the value of inventory of ₹ 2683.35 crore representing 71 days of inventory during previous year.

### N. Other Minerals & Metals

There were 11 companies operating in this group. The value of inventory held by these companies during

The company wise break-up of inventory is given in the Table 4.29 below:

**Table 4.29 Inventory Details (Other Minerals & Metals)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	5.88	3.6	37.06	32.11	58	41
2.	HINDUSTAN COPPER LTD.	517.23	821.87	975.24	1119.53	194	268
3.	INDIAN RARE EARTHS LTD.	127.97	128.78	512.36	520.3	91	90
4.	J & K MINERAL DEVELOPMENT CORPN. LTD.	0	0	1.92	1.33	0	0
5.	KIOCL LTD.	63.47	163.17	487.5	992.94	48	60
6.	MOIL LTD.	162.99	122.17	610.64	741.15	97	60
7.	NATIONAL ALUMINIUM COMPANY LTD.	1055.01	1155.93	6282.68	6956.22	61	61
8.	NMDC Ltd.	622.05	540.04	3921.92	5422.51	58	36
9.	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	21.67	23.24	50.63	50.82	156	167
10.	THE BISRA STONE LIME COMPANY LTD.	1.9	0.77	54.28	53.1	13	5
11.	URANIUM CORPORATION OF INDIA LTD.	105.18	517.41	808.12	997.32	48	189
<b>SUB TOTAL :</b>		<b>2683.35</b>	<b>3476.98</b>	<b>13742.35</b>	<b>16887.33</b>	<b>71</b>	<b>75</b>

The value of inventory has decreased in 4 public enterprises during 2016-17 as compared to the previous year and increased in the case of 6 public enterprises. In case of 1 CPSE inventory level has not changed.

this group and held an inventory valued at ₹ 227.36 crore as on 2016-17 as compared to ₹ 233.62 crore at the end of the previous year. There is no change in level of inventory in 2016-17 as compared to last year. The company wise break-up of inventory is given in the Table 4.30 below:

### O. Telecommunication & Information Technology

There were 8 public sector enterprises operating in

**Table 4.30 Inventory Details (Telecommunication & Information Technology)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	BHARAT BROADBAND NETWORK LTD.	0	0	18.67	77.79	0	0
2.	BHARAT SANCHAR NIGAM LTD.	191.29	204.73	36685.61	36179.86	2	2
3.	MAHANAGAR TELEPHONE NIGAM LTD.	29.74	15.07	5097.59	5049.45	2	1
4.	MILLENNIUM TELECOM LTD.	0	0	1.34	4.65	0	0
5.	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	0	0	822	1216.38	0	0
6.	RAILTEL CORPORATION INDIA LTD.	0.59	0.22	446.96	706.27	0	0
7.	RAILTEL ENTERPRISES LTD.	0.82	0	5.42	15.75	55	0
8.	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	11.18	7.34	1272.55	1117.18	3	2
<b>SUB TOTAL :</b>		<b>233.62</b>	<b>227.36</b>	<b>44350.14</b>	<b>44367.33</b>	<b>2</b>	<b>2</b>

Of the 8 public enterprises in Telecommunication & Information Technology Services group, the level of inventory decreased in 3 public enterprises as compared to the previous year whereas 5 CPSEs did not hold any inventory in 2016-17.

## P. Trading & Marketing Services

There were 20 companies in the Trading & Marketing Services group during the year 2016-17. Three companies namely, Food Corpn. of India, Cotton

Corpn. of India and Jute Corpn. of India have been excluded for the purpose of analysis as these corporations keep stocks as deliberate policy. As such, the analysis covers the remaining 17 companies only.

These 17 companies held inventory valued at ₹2765.78 crore representing 28 days Inventory Turnover Ratio at the end of 2016-17 as compared to an inventory of ₹ 747.12 crore representing 7 days at the end of previous year. The company wise break-up of inventory is given in the Table 4.31 below:

**Table 4.31 Inventory Details (Trading & Marketing Services)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	ANTRIX CORPORATION LTD.	0	0	1614.29	1654.88	0	0
2.	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	12.21	18.17	89.53	92.42	50	72
3.	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	47.76	34.14	1992.8	615.36	9	20
4.	HMT (INTERNATIONAL) LTD.	0	0	35.81	26.77	0	0
5.	INDIA TRADE PROMOTION ORGANISATION	0	0	189.83	219.26	0	0
6.	KARNATAKA TRADE PROMOTION ORGANISATION	0	0	2.96	2.98	0	0
7.	M M T C LTD.	401.51	2366.78	12633.41	11739.37	12	74
8.	M S T C LTD.	15.29	70.74	2779.43	1333.92	2	19
9.	NATIONAL FILM DEV. CORPN. LTD.	0.09	0.11	121.85	167.52	0	0
10.	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1.49	1.27	2596.97	3259.62	0	0
11.	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	2.18	2.92	14.28	16.28	56	65
12.	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	1.11	1.11	39.91	39.91	10	10
13.	NTPC VIDYUT VYAPAR NIGAM LTD.	0	0	3960.63	5137.51	0	0
14.	P E C LTD.	265.06	230.84	3809.82	4280.36	25	20
15.	STATE TRADING CORPN. OF INDIA LTD.	0.42	39.7	10704.73	7932.05	0	2
16.	STCL LTD.	0	0	2.34	2.02	0	0
17.	TAMIL NADU TRADE PROMOTION ORGANISATION	0	0	20.72	16.58	0	0
	<b>SUB TOTAL :</b>	<b>747.12</b>	<b>2765.78</b>	<b>40609.31</b>	<b>36536.81</b>	<b>7</b>	<b>28</b>

Of the 17 public enterprises in this group, PEC Ltd. could reduce the level of inventory during 2016-17 as compared to the previous year while in case of 6 CPSEs there has been increase in the level of inventory. The level of inventory remained unchanged in 10 CPSE out of which 9 CPSEs do not hold any inventory.

## Q. Transport and Logistic Services

There are 21 public sector enterprises operating

in the transportation services sector. The value of inventory held by these companies was ₹ 3950.64 crore representing 16 days Inventory Turnover Ratio as on 31.3.2017 as compared to an inventory valued at ₹ 3685.54 crore representing 15 days Inventory Turnover Ratio at the end of previous year.

The company wise break-up of inventory is given in the Table 4.32 below:

**Table 4.32 Inventory Details (Transport and Logistic Services)**

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1.	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	0	476.49	476.49	0	0
2.	AIR INDIA ENGINEERING SERVICES LTD.	0	0	974.75	974.75	0	0
3.	AIR INDIA EXPRESS LTD.	170.77	208.12	2228.34	2764.98	28	27
4.	AIR INDIA LTD.	1501.11	1540	19887.33	21402.5	28	26
5.	AIRLINE ALLIED SERVICES LTD.	16.93	15.7	364.93	531.28	17	11
6.	AIRPORTS AUTHORITY OF INDIA	85.07	95.05	6955.75	7886.03	4	4
7.	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	0.58	0	12.59	3.56	17	0
8.	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	0	0	62.66	62.9	0	0
9.	CENTRAL WAREHOUSING CORPN.	5.82	6.16	1353.78	1340.52	2	2
10.	CONCOR AIR LTD.	0	0	320.19	362.84	0	0
11.	CONTAINER CORPORATION OF INDIA LTD.	17.7	22.54	4931.11	4711.1	1	2
12.	DREDGING CORPN. OF INDIA LTD.	133.21	194.27	629.53	568.48	77	125
13.	FRESH & HEALTHY ENTERPRISES LTD.	0.6	0.6	46.26	11.71	5	19
14.	GAIL (INDIA) LTD.	1609.44	1698.38	48751	43136.21	12	14
15.	GAIL GAS LTD.	7.89	8.77	1488.97	2683.54	2	1
16.	KAMARAJAR PORT LTD.	0	0	124.88	149.19	0	0
17.	PAWAN HANS LTD.	50.19	44.97	390.97	468.72	47	35
18.	PETRONET CCK LTD.	0.65	0.87	26.12	26.4	9	12
19.	SHIPPING CORPORATION OF INDIA LTD.	85.58	115.21	3253.37	3242.71	10	13
20.	SIDCUL CONCOR INFRA COMPANY LTD.	0	0	2.94	18.27	0	0
21.	TCIL BINA TOLL ROAD LTD.	0	0	4.04	4.32	0	0
<b>SUB TOTAL :</b>		<b>3685.54</b>	<b>3950.64</b>	<b>92286</b>	<b>90826.5</b>	<b>15</b>	<b>16</b>

In the Transport and Logistic Services Sector, out of 21 public enterprises, the level of inventory decreased in 6 public enterprises and increased in 6 CPSEs during 2016-17 as compared to the previous year

and 9 CPSEs has shown no change in inventory level including 7 CPSEs which did not hold any inventory during 2016-17.

## 4.2 Pricing Policy in CPSEs

Prices of 'manufactured products' and 'services' are observed to be determined by companies based on the average/marginal cost of production and the mark-up over and above the cost to accommodate profits. The margin of 'mark-up', in turn, depends on factors such as the competitiveness or the degree of monopoly and the elasticity of demand as well as the brand value of the entity in the market. A monopolist is able to charge a higher mark-up because of the lower elasticity of demand for the product, as compared to a player in a competitive market scenario. The mark-up is calculated as the difference between the average revenue and the marginal cost per unit of output.

Coal India Ltd, Indian Oil, ONGC and HPCL function largely under monopoly conditions. The Food Corporation of India, working under strong social objectives, makes market interventions in the food grains markets through support price policy for farmers and through public distribution system for consumers. The minimum support prices to farmers are arrived at on the basis of cost of cultivation and other specific factors rather than on demand and supply basis. FCI distributes food grains to vulnerable sections at subsidized prices. BHEL is the only CPSE manufacturing Main Plant Power Equipment in the Country. The company is operating in a competitive environment facing competition from a number of domestic and foreign suppliers since late 1970s. Price is determined by BHEL based on the prevailing market price, expected competition, strategic considerations, project viability, lowest bid price etc.

In the international markets where CPSEs face a market characterized by greater competition, the price is primarily determined by the forces of demand and supply. Examples are CIL (for buyers other than core sectors), SAIL, NMDC, NALCO and Hindustan Copper.

The prices of products of CPSEs which operate in a monopsonistic market structure (where Government of India is the sole/primary buyer as in case of CPSEs like BEL, HAL, Mazagaon Dock Ltd, BEMIL, Electronics Corporation of India Ltd.) are determined by controlled/ negotiated price or through the bidding route (in which case the CPSEs compete with private

sector and foreign companies for their products).

CPSEs working under oligopolistic market structure like Air India, BSNL, MTNL, SAIL, NALCO and ITDC where there is stiff competition from private companies, competition based pricing strategy is followed. Besides market structures, a combination of factors comes into play in the determination of prices in the CPSEs. Exponential growth in markets such as the telecom sector have brought down the costs due to 'economies of scale'. Moreover, there are transaction costs, costs of fixed assets, externalities and access to information which has a bearing on the cost of the products of CPSEs. Given the aforesaid factors, the prices charged by CPSEs ranges from very subsidized price to full cost price, with many intermediate pricing solutions.

The paragraphs below briefly discuss the pricing system in respect of products in sectors where CPSEs are major players, and which touch the lives of a large majority of people.

### 4.2.1 Coal

#### 4.2.1.1 Coal India Limited (CIL)

The coal price has been completely deregulated w.e.f. 01.01.2000. After deregulation, Coal India Ltd. (CIL) has been fixing the prices for all the grades/ varieties of raw coal produced by its subsidiary companies. In the price revision effective from 27.02.2011, for the first time the concept of dual pricing was introduced; one for consumers in the regulated sector (i.e. Power Utilities including IPPs, Fertilizers and Defence) and another for consumers other than Power utilities including IPPs, Fertilizers and Defence (non-regulated sector). Since the price of end products of coal consuming industries in the non-regulated sector are driven by demand and supply scenario, it was decided by CIL to fix the price of coal for non-regulated sector at a level which should be closer to the market price of coal. At present, the prices of coking coal and lower grade (Grade G6 to G17) of non-coking coal for non-regulated sector, are higher by 30% and 20% respectively over and above the price applicable for regulated sector. While power and fertilizer sectors in the country are operating in a regulated regime and the cost advantages in generation/production,



if any, are passed on to the consumers, other coal consuming sectors are operating in a market driven pricing mechanism and therefore, have high market absorption capacity.

Lower grades of coal contribute more than 80% of the total production of CIL. Major coal consuming sectors like power, cement, sponge iron etc. are being supplied coal in terms of the Fuel Supply Agreement.

From the view point of business strategy, consuming sectors are segmented in line with price absorption capacity and size of the business. By virtue of business volume and commitment given for the off-take of lower grade of coal, power sector enjoys price advantage over other consuming sectors. The trend of coal price in last five financial years is shown in the table below.

**Table 4.33 Coal Prices**

Financial year	Average price per tonne of coal (Net sales/Dispatch) (₹ per tonne)	Net sales (₹ in Crore)	Offtake (raw coal) In Million tons
2012-13	1468	68302.74	465.18
2013-14	1459	68810.02	471.59
2014-15	1472	72014.62	489.38
2015-16	1415	75644.27	534.50
2016-17	1492	81054.13	543.32

## 4.2.2 Lignite Pricing:

### 4.2.2.1 NLC India Limited (formerly Neyveli Lignite Corporation)

Lignite price is fixed based on the cost plus pricing for internal transfer. Under e-auction, the price will vary based on market conditions. The e-auction lignite price is always higher than the cost plus pricing. The lignite price is fixed based on the guidelines issued by the Ministry of Coal. The guidelines for the tariff period 2004-19 cover the following:

- Capacity Utilization;
- Funding pattern – Debt Equity ratio;
- Additional Capitalization;
- Depreciation;
- O&M Expenses;
- Working Capital ;
- Return on Equity, Interest & Income tax;
- Foreign Exchange Rate Variation;
- Royalty and Mine closure expenses.

No subsidy is provided for Coal and Lignite Sector

## 4.2.3 Petroleum and Natural Gas

The pricing of petroleum products was brought under the Administered Price Mechanism (APM)

effective July 1975 when the pricing of petroleum products was shifted from import parity principles to cost plus principles. As APM was found to be increasingly unsuitable for the long term growth and efficiency of oil industry, APM was dismantled w.e.f. 1st April 2002 and prices of all Petroleum Products except PDS Kerosene and Domestic LPG were made market determined. However, in view of the high increase in oil prices in the international market since 2004 onwards, the Government started controlling the retail selling prices of these sensitive petroleum products resulting in under-recoveries to the Public Sector Oil Marketing Companies (OMCs).

### 4.2.3.1 Trend of International Oil Prices:

International prices of crude oil and petroleum products have remained highly volatile in the recent past. Indian basket of crude oil, which averaged about \$ 23/bbl at the time of dismantling of APM in March 2002, averaged at \$105.52/bbl. per barrel during 2013-14. The prices of crude oil, after continuously being at the level of more than \$100/bbl for over three years, started falling sharply during the second half of 2014. As a result, the average price of Indian crude basket during 2015-16 and 2016-17 was recorded at \$46.18/bbl and \$47.56/bbl respectively whereas the same is at \$ 50.35/bbl



during the current financial year 2017-18 (up to 30th September,2017).

The trend in the international prices of crude oil and major petroleum products since 2011-12 is given in Table 4.34:

**Table 4.34 International prices of crude oil and major petroleum products**

Period	Indian Basket Crude Oil*	Petrol	Diesel	Kerosene	LPG
	-----\$/bbl.-----				
					\$/MT
2011-12	111.89	121.60	125.38	125.99	899.42
2012-13	107.97	118.98	121.97	123.11	885.20
2013-14	105.52	114.31	119.41	118.80	880.49
2014-15	84.29	95.45	96.64	96.98	683.87
2015-16	46.18	61.72	55.02	55.71	394.71
2016-17	47.56	58.100	56.59	56.81	393.31
2017-18 (till 30 <sup>th</sup> September ,2017)	50.35	62.48	61.85	60.56	421.41

\*Composition of Indian Basket of Crude represents average of Oman & Dubai for sour grades and Brent (Dated) for sweet grade. (Ratio for 2017-18-72.38:27.62).

#### 4.2.3.2 Subsidy on PDS Kerosene and Domestic LPG:

Subsidy on PDS Kerosene and Domestic LPG, fixed effective 1.4.2002 under 'PDS Kerosene and Domestic LPG Subsidy Scheme, 2002', has been met from the fiscal budget. It has been fixed on a specified flat rate basis for each Depot/Bottling Plant based on the difference between the cost price and the issue price per selling unit in March 2002. The average subsidy during 2002-03 on PDS Kerosene was ₹2.45 per litre & on domestic LPG ₹67.75 per cylinder. The flat rate subsidy was reduced by 1/3rd each year during 2003-04 and 2004-05. Since then the approved subsidy rate for Domestic LPG (Subsidized) and PDS Kerosene has been maintained at the 2004-05 level (i.e. 1/3rd of 2002-03 level), i.e. 82 paisa per litre for PDS kerosene and ₹22.58/cylinder for domestic LPG till 2014-15. The scheme had expired on 31st March 2015.

The year-wise subsidy amount under the above scheme since 2011-12 is given below in table 4.35.

**Table 4.35 Subsidy on PDS Kerosene and Domestic LPG (₹ Crore)**

Year	PDS Kerosene	Domestic LPG	Total
2011-12	863	2137	3000
2012-13	741	1989	2730
2013-14	676	1904	2580
2014-15	860#	2433#	3293

# payment of 2014-15 was made in 2016-17

#### 4.2.3.3 Freight Subsidy (for far flung areas)

Freight subsidy for supplies and sales of products in the notified far flung areas is provided for PDS Kerosene and Domestic LPG. The subsidy is being paid at 1/3rd level of the rates for 2002-03 since 2004-05.

The year-wise freight subsidy amount under the above scheme since 2011-12 is given below:

**Table 4.36 Freight subsidy (₹ in Crore)**

Year	PDS Kerosene	Domestic LPG	Total
2011-12	5	18	23
2012-13	5	18	23
2013-14	5	16	21
2014-15	5	18	23

This scheme has expired on 31<sup>st</sup> march, 2015.

#### 4.2.3.4 Petrol

The Government has made the price of Petrol market determined effective 26.6.2010 Since then, the OMCs take a decision on price of petrol in line with its international price and other market conditions. The OMCs have not only increased but also decreased the price of Petrol in line with changes in international prices and rupee dollar exchange rate.

#### 4.2.3.5 Diesel

Since 19th October 2014, the price of Diesel has been made market determined for all consumers. Since then, the OMCs are taking decision on price of Diesel in line with its international prices and other conditions and have revised the prices both upwards and downwards.

Effective 16th June, 2017, daily pricing of Petrol and Diesel has been implemented in the entire country resulting in closer alignment with the international prices.

#### 4.2.3.6 PDS Kerosene

The Government continues to modulate the retail selling prices of PDS Kerosene.

Effective 1st July, 2016, the Government has authorized the Public Sector Oil Marketing Companies (OMCs) to increase the issue price of PDS SKO by ₹3.23/ litre in a period of 8 months (with in a slab of ₹0.25/ litre per month/ Fortnight excluding state taxes) till 1st Feb, 2017. Further, the Government has authorised PSU OMCs to increase the RSP of PDS kerosene by ₹2.50 per litre (excluding GST) since 1st April, 2017.

Based on the refinery gate price effective 1st October, 2017, the OMCs are currently incurring under-recovery of ₹9.58/litre on PDS kerosene at Mumbai.

#### 4.2.3.7 Domestic LPG

The Government continues to modulate the effective price of Subsidize Domestic LPG (to consumer up to 12 cylinders of 14.2 Kg per annum per household). However, the prices of non- subsidised Domestic LPG are determined by the Public Sector OMCs in line with changes in international markets.

Effective 1st January 2015, the PAHAL (DBTL), 2014 scheme has been implemented in the entire country wherein the subsidy on Domestic LPG is being transferred to the eligible consumers directly to their bank accounts.

The total claim by OMCs and the amount released by the Government under the DBTL scheme is given below Table no. 4.37:

**Table 4.37 Subsidy on Domestic LPG under DBTL (₹ Crore)**

	2013-14	2014-15	2015-16	2016-17	Q1, 2017-18
Subsidy under DBTL	3869	3971	16056	12133	5039
Permanent Advance	1232	4523	853	0	0
Total claim under DBTL	5101	8494	16909	12133	5039
Cash sanctioned by Govt.	5069	8494	16909	12133	5039
Unmet DBTL claims	32	0	0	0	0

The above does not include Project Management Expenditure.

The Government authorised PSU OMCs to increase the effective price of subsidised Domestic LPG by ₹2 per Cylinder (excluding state taxes), from 1st July, 2016 till the end of financial year 2016-17. Further, effective 1st April, 2017 the Government authorised PSU OMCs to increase the effective price of subsidised domestic LPG by ₹2 per Cylinder (excluding state taxes). PSU OMCs have increased the effective price of Domestic LPG by ₹12 per cylinder (excluding state taxes) since 1st June 2017.

#### 4.2.3.8 Under-recoveries of OMCs:

The oil companies incur under-recovery on sale of petroleum products by selling them at the price modulated by the Government. The under-recovery incurred by oil marketing companies since 2010-11 is tabulated below in table 4.38:

**Table 4.38 Under-recovery incurred on Sale of Regulated Petroleum Products (₹ crore)**

Year	Diesel	PDS Kerosene	Domestic LPG	Total Under-recoveries
2011-12	81,192	27,352	29,997	1,38,541
2012-13	92,061	29,410	39,558	1,61,029
2013-14	62,837	30,574	46,458	1,39,869
2014-15	10,935*	24,799	36,580	72,314
2015-16	0	11,496	18	11,515
2016-17		7595		7595
Q1, 2017-18		1280		1280

\*Under recovery on Diesel is up to 18.10.2014.

#### 4.2.3.9 Burden Sharing

The under-recoveries incurred by the OMCs have been partially compensated by the Government (through cash assistance) and the upstream oil companies through price discounts to OMCs. The details of burden sharing by various stakeholders since 2011-12 are as under:

**Table 4.39 Burden Sharing**

Year	Total U/R	Government		Upstream Oil Companies		OMCs	
		Amount	%	Amount	%	Amount	%
2011-12	138541	83500	60	55000	39.7	41	0.3
2012-13	161029	100000	62	60000	37	1029	1
2013-14	139869	70772	51	67021	48	2076	1
2014-15	72314	27308	38	42822	59	2184	3
2015-16	11515	10245	89.9	1251	10.9	18	0.2
2016-17	7595	7595	100	0	0	0	0
Q1, 2017-18	1280	1280	100	0	0	0	0

#### 4.2.4 Electric Power

The Electricity Regulatory Commissions Act was enacted in 1998 for creation of Regulatory Commissions at the Centre and in the States with the authority, inter-alia, to regulate/determine power tariffs. The Central Government accordingly created the Central Electricity Regulatory Commission (CERC) to regulate/determine power tariffs of CPSEs/inter-state companies engaged in generation and inter-state transmission companies. CERC also issues orders on Availability Based Tariff (ABT) for ensuring grid discipline.

#### 4.2.4.1 Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014

The tariffs for the electricity supplied by CPSEs/inter-state generating companies for the period of 2014-19 are determined by the CERC as per the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2014.

Regulation 21 of the Tariff Regulations, 2014 describes the components of the annual fixed cost of a generating station for the purpose of determination of tariff which are:

- i. Return on Equity
- ii. Interest on loan capital
- iii. Depreciation
- iv. Interest on working capital
- v. Operation & Maintenance expenses
- vi. Special allowances in lieu of R&M or separate compensation allowances, wherever applicable.

Regulation 22 of the Tariff Regulations 2014 describes the components of the variable cost of a generating station (excluding Hydro Power Projects) for the purpose of determination of tariff which are:

- Landed Fuel Cost of primary fuel; and
- Cost of secondary fuel oil consumption

Regulation 23A of the CERC (Terms and Conditions of Tariff) (First Amendment) Regulation, 2015 provides for determination of Tariff for Gas based generating stations covered under the “Scheme for utilization of Gas based power generation capacity” issued by Ministry of Power, Government of India, in due consideration of the provisions of that scheme in deviation of the relevant regulation. The Important features of the Tariff Regulations, 2014 are as follows:

- (i) Return on Equity:

Post tax Return on Equity (RoE) of 15.50% for thermal generating stations, transmission and run of river hydel generating stations and 16.50% for the storage type generating stations including pumped storage hydro generating stations with additional 0.5% return on equity for timely completion of projects or elements.

(ii) Treatment of Tax:

The provision of grossing of ROE has been reintroduced to overcome perceived difficulties in implementing proposal. However, the tax rate for grossing up of RoE has been rationalized to protect the interest of beneficiary/consumers and has been linked with the Effective Tax Rate or Minimum Alternate Tax allowing pass through of benefit of 80LA etc.

(iii) Others

The Commission recognized the deterioration in operational performance of generating stations in view of the current challenges of availability of fuel on sustained basis and has reduced the target availability level to 83% from the previous 85% to recover fixed charges and at the same time, re-introduced the incentive mechanism linked to target PLF for thermal generating stations.

- Regulatory philosophy of CERC has been to incentivize efficiency gains and to periodically pass the improvements to beneficiaries. Accordingly, to incentivize higher availability of transmission system, separate availability factor based on past performance of the transmission system has been introduced for recovery of an incentive.
- The operational norms of thermal generating stations and transmission system have been rationalized on the basis of their actual performance, viz. availability, gross station heat rate, auxiliary energy consumption, secondary fuel oil consumption.
- Incentive payment linked to plant load factor instead of plant availability.
- Recovery of energy charges based on 'as received GCV' instead of 'as fired GCV'.
- The water charges of the generating stations have been allowed separately considering actual cost on case to case basis.
- In view of the shortage of domestic coal, flexibility for use of alternate source of fuel/imported coal has been allowed to the extent that the weighted average price of use of alternative source of fuel does not exceed 30% of the base price of coal or 20% of the energy charge rate

based on the weighted average fuel price for the previous month, whichever is lower.

- Financial parameters such as debt-equity, depreciation, interest on loan, RoI.

The CERC (Terms and Conditions of Tariff) Regulation, 2014 came into effect from 1st April, 2014 and are valid for five years ending on 31st March, 2019. SUBSEQUENTLY, CERC (Terms and Conditions of Tariff) (First Amendment) Regulation, 2015 were notified which covered the following:

- Recovery / refund of the difference between the interim tariff and final tariff by the generating companies and Inter-State transmission licensees.
- Sharing of financial gains on account of operational parameters.
- Gain / Loss on account of foreign exchange rate variation included in the capital cost of generation or transmission projects.
- Separate provision made for determination of tariff of gas based generating stations which were covered under the "Scheme for utilization of gas based power generation capacity" issued by the Government of India.
- Depreciation rate prescribed for fibre optic.
- Clarity given for treatment of deferred tax liability in tariff.

#### 4.2.4.2 Renewable Energy Tariff:

The Central Electricity Regulatory Commission notified the CERC (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2017 on 17<sup>th</sup> April 2017 for determination of tariff from energy generated through renewable energy sources. Salient features of RE Tariff include—

- I. As per Regulation of 7 of RE Tariff Regulations 2017, Project specific tariff, on case to case basis, shall be determined by the Commission for following projects/technology:
  - a) Solar PV and Solar thermal .5 years for small hydro projects below 5 MW,
  - b) Wind Energy (including on-shore and off-shore),



- c) Biomass Gasifier based projects, if project developers opt for project specific tariff.
  - d) Biogas based projects ; if project developers opt for project specific tariff.
  - e) Municipal solid waste (MSW) and Refuse Derived fuel (RDF) based projects with Ranking cycle technology;
  - f) Hybrid Solar Thermal power projects;
  - g) Other hybrid projects include renewable-renewable or renewable-conventional sources, for which renewable technology is approved by MNRE;
  - h) Any other new renewable energy technologies approved by MNRE.
- IV. For computation of levelled generic tariff and project specific tariff, following financial norms shall be considered;
- a) Debt Equity ratio 70:30
  - b) Loan Repayment period of 13 years
  - c) Interest on loan as normative interest rate of two hundred (200) basis points above the average State Bank of India Marginal Cost of Funds based Lending Rate (MCLR) (one year tenor) prevalent during the last available six months
  - d) ROE as 14 %, grossing up with MAT rate as on 1<sup>st</sup> April of previous year
  - e) Depreciation rate as 5.28% for first 13 years and the rest shall be spread over the remaining useful life of project
  - f) Interest on Working Capital as normative interest rate of three hundred (300) basis points above the average State Bank of India (MCLR) (one year tenor) prevalent during the last available six months
  - g) Accelerated Depreciation rate 40%
  - h) Discount factor equivalent to Post Tax weighted average cost of capital (for the purpose of levelled tariff computation)

In other words, no annual general tariff shall be determined for the above mentioned technologies and the financial norms specified in these regulations (except for the capital cost) will act as ceiling norms while determining project specific tariff.

II. Regulation 8 of RE Tariff Regulations 2017 provides for the determination of levelled general tariff for the following technologies;

- a) Small Hydro projects;
- b) Biomass Power Projects with Ranking cycle technology
- c) Non-Fossil Fuel based Co-generation Plants;
- d) Biomass Gasifier based projects;
- e) Biogas based projects

III. The tariff for renewable energy technologies is single part consisting of the following fixed cost components;

- a) Return on Equity
- b) Interest on loan capital
- c) Depreciation
- d) Interest on working capital
- e) Operation & Maintenance expenses

For renewable energy technologies having fuel cost component, like biomass power projects and non-fossil fuel based cogeneration, single part tariff with two components, i.e, fixed cost component and fuel cost component, is specified.

V. Technology specific parameters, including operational norms, have been provided for various technologies:

- a) For wind projects, following CUF shall be considered at 100 meter hub-height:

Annual Mean Wind Power Density (W/m <sup>2</sup> )	CUF
Up to 220	22%
221-275	24%
276-330	28%
331-440	33%
>440	35%

- b) For solar PV projects, CUF shall be 19% and auxiliary consumption factor shall be 0.25% of gross generation; for solar thermal, CUF shall be 23% and auxiliary consumption factor shall be 10%

- c) For small hydro, projects have been divided regionally and also on the basis point of plant size (below 5MW and 5-25MW). Himachal Pradesh, Uttrakhand, West Bengal and North Eastern States are categorized as high potential states and the remaining states are considered separately for specification of capital cost, PLF, O & M cost, etc.
  - d) Biomass Projects are categorized on the basis of fuel and condenser type for specification of capital cost
  - e) Use of fossil fuel for biomass projects has not been allowed for the projects commissioned after 31<sup>st</sup> March 2017. Accordingly, the Station Heat Rate (SHR) and Gross Calorific Value (GCV) have been revised.
  - f) For biomass and biomass gasifier based projects, fuel cost is determined separately for the states of Andhra Pradesh, Haryana, Maharashtra, Punjab, Tamil Nadu and Uttar Pradesh. For remaining States, it is determined under 'Other States' category
  - g) For bagasse based cogeneration projects, fuel cost is determined separately for Andhra Pradesh, Haryana, Maharashtra, Punjab, Rajasthan, Tamil Nadu and Uttar Pradesh. For remaining States, it is determined under 'Other States' category
  - h) For biomass, bagasse based cogeneration, biomass gasifier, biogas and MSW/RDF based projects, specific operational parameters such as PLF, auxiliary consumption, station heat rate, calorific value and O & M cost have been specified technology-wise and State-wise.
- (b) Trade barriers came down with reduction in tariff rates and removal of physical restrictions (canalizing and licensing) on imports and exports,
  - (c) Freight ceilings replaced freight equalization,
  - (d) FDI in Iron & Steel was allowed through the automatic route,
  - (e) Technology imports were made easier, and
  - (f) Capacity controls and reservation on the BF-BOF sectors are withdrawn.

As steel pricing was deregulated, prices came to be determined through competition in the market.

The selling prices of steel and steel products are, inter-alia, based on the following factors:

- (a) demand and supply position,
- (b) competitor pricing
- (c) landed cost of imports,
- (d) levels of Inventory,
- (e) freight from producing point to consuming point,
- (f) market position for customers' end products etc
- (g) duty structure
- (h) Cost of raw materials

#### 4.2.6 Fertilizers

For sustained agriculture growth and to promote balanced nutrient application, it is imperative that fertilizers are made available to farmers at affordable prices. Urea is the main nitrogenous fertilizer constituting significant portion of fertilizer consumption in the country.

All varieties of fertilizers, except Urea removed from prices and distribution control in August 1992. The Government of India, however, indicated the Maximum Retail Price (MRP) in respect of major Phosphatic and Potassic (P&K) fertilizers namely, Di-ammonium Phosphate (DAP), Murate of Potash and 11 grades of complex fertilizers under the erstwhile Concession Scheme for decontrolled P&K fertilizers upto 31.3.2010. MRP of SSP which was earlier fixed by the respective State Government upto 30.4.2008 was fixed by the Government of India w.e.f. 1.5.2008 to 30.9.2009. W.e.f. 1.10.2009 to 30.4.2010, the MRP

#### 4.2.5 Steel

The Indian steel industry was one of the first few major sectors to be comprehensively deregulated as part of the general economic reforms. The erstwhile regime of controls was wholly dismantled in 1992 through the following policy changes:

- (a) Prices and distribution (with the exception of a few strategic areas like Small Scale Industries Corporation) were freed,



of SSP was made open to be fixed by SSP companies wherein a fixed amount of subsidy was provided on SSP under the erstwhile concession scheme. The indicative MRPs of decontrolled P&K fertilizers under the erstwhile Concession Scheme were less than the delivered cost of these fertilizers. The difference between delivered cost of production of P&K fertilizers and indicative MRP were paid as subsidy/concession to the manufacturers.

In the context of nation's food security, considering the declining response of the agriculture productivity to increased fertilizer usage in the country and in order to ensure the balanced application of fertilizers, the Government of India introduced Nutrient Based Subsidy (NBS) policy w.e.f. 1.4.2010 for decontrolled P&K fertilizers. Under the NBS Policy, a fixed amount of subsidy, decided on annual basis is provided on each grade of P&K fertilizers depending upon its nutrients (N, P, K, S) content. MRP of P&K fertilizers are fixed by the fertilizer manufactures/importers. At present 21 grades of P&K fertilizers namely DAP, MAP, TSP, MOP, Ammonium Sulphate, SSP and 15 grades of NPKS complex fertilizers are covered under the NBS Policy.

The per KG subsidy on nutrients, namely Nitrogen (N), Phosphate (P), Potash (K) and Sulphur (S) contained in P&K fertilizers covered under NBS Policy for the year 2016-17 is as under:

**Table 4.40 Per KG Subsidy on NPKS**

S. No.	Nutrients	NBS (₹ Per KG of Nutrient)
1	N - Nitrogen	15.854
2	P – Phosphate	13.241
3	K – Potash	15.470
4	S - Sulphur	2.044

The per MT subsidy on various grades of P&K fertilizers covered under NBS Policy for 2016-17 applicable from 1<sup>st</sup> April 2016 shall be as under in Table 4.41:

**Table 4.41 Per MT subsidy on P&K fertilizers**

S. No.	Name of fertilizers (nutrient content)	NBS Rates for 2016-17 (₹ / MT)
1	DAP : 18-46-0-0	8945
2	MAP : 11-52-0-0	8629

S. No.	Name of fertilizers (nutrient content)	NBS Rates for 2016-17 (₹ / MT)
3	TSP : 0-46-0-0	6091
4	MOP 0-0-60-0	9282
5	NPS 16-20-0-13	5451
6	NPS 20-20-0-13	6058
7	NPK 10-26-26-0	9050
8	NPK 12-32-16	8615
9	NPK 14-28-14	8093
10	NPK 14-35-14	9020
11	NPK 15-15-15	6685
12	AS : 20.6-0-0-23	1736
13	NP 28-28-0-0	8147
14	NPK 17-17-17	7576
15	NPK 19-19-19	8467
16	SSP 0-16-0-11	2343
17	NPK 16-16-16-0	7150
18	NPKS 15-15-15-09	6869
19	NP 24-24-0-0	6983
20	NP 20-20-0-0	5819
21	NPS 24:24-0-8	6983

- a. Any variant of the subsidized P&K fertilizers covered under NBS Policy and fortified/coated with Boron and Zinc, as provided for under FCO, will continue to be eligible for subsidy. Such fortified/coated grades of fertilizers will attract an additional per tonne subsidy to encourage their application along with primary nutrient as per the rates mentioned below in Table 4.42:

**Table 4.42 Per MT Subsidy for fortified/coated fertilizers**

S. No.	Nutrients for fortification as per FCO	Additional subsidy (₹/MT) for fortified/coated fertilizers
1	Boron (B)	300
2	Zinc (Zn)	500

- b. In order to examine the reasonableness of MRPs of P&K fertilizers, the companies shall continue to submit the certified cost data as per the requirement and directions of DOF from time to time. The companies

shall also report MRPs of P&K fertilizers regularly to DOF.

- c. The fertilizer companies are required to print maximum retail price (MRP) along with applicable subsidy on the fertilizer bags clearly. Any sale above the printed MRP will be punishable under the Essential Commodities Act (ECA) 1955.
- d. The distribution and movement of fertilizers along with import of finished fertilizers, fertilizer inputs and production by indigenous units will continue to be monitored through the online web based “Fertilizer Monitoring System (FMS)/mFMS”.
- e. Manufacturers / Marketers / Importers of P&K fertilizers, including manufactures of SSP, are required to ensure that fertilizers are transported up to the retail point on F.O.R. delivery basis.
- f. Manufacturers of customized fertilizers and mixture fertilizers will be eligible to source subsidized P&K fertilizers from the manufacturers/importers after their receipt in the districts as inputs for manufacturing customized fertilizers and mixture fertilizers for agricultural purpose. There would be no separate subsidy on sale of customized fertilizers and mixture fertilizers.
- g. The payment of subsidy to the manufacturers/importers of P&K fertilizers shall be released as per the procedure and terms and conditions mentioned in the Department Notification No. D (FA)/CCEA/2011 dated 25.10.2012 and as amended from time to time.
- h. The benefits to the manufacturers of P&K fertilizers on account of use of cheaper domestic gas, if any, shall be mopped up for which separate guidelines shall be issued.
- i. It has also been decided that, the subsidy will be reviewed on half yearly basis, instead of annual basis.

#### 4.2.6.1 MRP of Urea

The MRP of urea is statutorily fixed by the Government of India and at present it is ₹ 5360/-

per MT (exclusive of the central excise duty for the domestically produced urea, countervailing duty for the imported urea (which is 1% at present) and state VAT which differs from state to state). MRP also includes the following:

- (i) ₹ 180/MT for dealer margin for privates/PSUs or, ₹ 200/MT in case of Co-operatives.
- (ii) ₹ 50/MT is paid to retailers for acknowledging the receipt and reporting the stock as additional incentive in the retailer margin.

An extra MRP of 5 % (of ₹ 5360/- per MT) is charged by fertilizer manufacturing entities on Neem Coated Urea. Further, the Government of Uttar Pradesh and Gujarat have levied Additional VAT on natural gas used by urea plants situated in these states. Impact of this additional VAT is calculated per MT of urea on the quantity of urea sold in these states, separately for each state and is recovered from the farmers of these respective states by charging ₹ 420/- per MT and ₹ 340/- per MT respectively.

#### 4.2.6.2 Payment of subsidy

The urea is sold at a Maximum Retail Price (MRP) statutorily fixed by the Government of India. The difference between the delivered cost of fertilizers at farm gate and MRP by the urea units is given as subsidy to the urea manufacturer/importer by the Government of India.

#### 4.2.6.3 New Urea Policy

The New Urea Policy-2015 (NUP-2015) has been notified by Department of Fertilizers on 25th May, 2015. This is effective from 1<sup>st</sup> June, 2015 to 31<sup>st</sup> March, 2019. It aims to achieve the twin objectives of maximizing indigenous urea production, promoting energy efficiency in urea production and at the same time rationalizing subsidy burden on the government.

NUP-2015 has led to additional production of approximately 20 LMT from the existing plants and the total production of urea during the year 2015-16 was 244.5 LMT, i.e. the highest ever urea production

in the country. Highest ever urea production for any month was achieved in December, 2015 (21.69 LMT).

### For Naphtha based urea units

As per Department of Fertilizers notification dated 17th June, 2015, Madras Fertilizers Limited-Manali (CPSU), Southern Petrochemicals Industries Corporation (SPIC) - Tuticorin and Mangalore Chemicals & Fertilizers Limited (MCFL), are entitled to operate on Naphtha on existing provisions till these plants get assured supply of gas either by gas pipeline or by any other as per the following conditions:

- (i) These units will be eligible for subsidy on the basis of the revised energy norms from the date of notification, which would be the simple average of pre-set energy norms of New Pricing Scheme (NPS) – III and lowest yearly specific energy consumption achieved during the years 2011-12, 2012-13 and 2013-14 or the pre-set energy norms of NPS – III, whichever is lower.
- (ii) The concession rate for these plants will be determined notionally on the basis of weighted average of the delivered cost of RLNG to recently converted plants after deducting state taxes (VAT, Entry tax) on RLNG or the cost of production of urea from Naphtha/FO after deducting state taxes levied on Naphtha/FO consumed for urea production (VAT, Entry tax) on Naphtha/FO, whichever is lower.
- (iii) The compensation for other variable costs e.g. the cost of bag, water charges & electricity charges and fixed cost will be determined in accordance with existing provisions of NPS – III and Modified NPS – III.

### Policy for uniform freight subsidy on all fertilizers under the fertilizer subsidy regime

Fertilizer subsidy is provided by the Government with the objective of ensuring timely availability of fertilizers to farmers at affordable prices. The aforesaid twin objectives stand fulfilled only if the fertilizers are easily available, especially during the peak demand period, in all parts of the country. Freight for urea has been always driven by considerations of serving

the farming population at large including those in remote and hilly areas. Being essential commodity, efficient distribution of urea can add to the efficiency of the manufacturing unit. Department of Fertilizers had notified the policy on 17<sup>th</sup> July, 2008, the salient features of which are as follows:

- i. The rail freight expenditure for transportation of fertilizers will be paid as per the actual expenditure based on actual lead.
- ii. The road freight towards transportation of fertilizers from nearest railway rake point to block, or from manufacturing unit/port directly by road to block, consists of two elements-Lead distance and per KM rate. This element of subsidy be paid as below:
  - a. The lead distance for each block in the district will be based on average district lead (average of leads from nearest rail rake port to block headquarter)
  - b. The per KM road freight will be paid on the basis of average of existing per KM rate for each state in the country, being adopted by FICC for reimbursement of freight subsidy for indigenous urea under NPS-III.
- iii. The normative per KM rate will be annually escalated/de-escalated based on a composite road transport index (weighted average of the WPIs of HSD Oil, Motor tyres, Truck chassis and all commodities) as being done under NPS-III.
- iv. The manufacturing units (especially the SSP units) not having railway siding facilities will also be reimbursed the road transportation costs from their unit to the nearest rake point based on actual leads and the per tonne per KM rate, as computed in paras above.
- v. The freight subsidy will be paid on actual movement of fertilizers up to the block level based on monthly district-wise /block movement plans. The subsidy will be released only after the fertilizers reach the district/block as per the monthly plan.
- vi. The special freight re-imbusement scheme for J&K and North Eastern States stands withdrawn as the freight will be now based on actual leads.

Based on the recommendations of Tariff Commission, the Government had issued a notification on 1<sup>st</sup> September, 2011 notifying the district wise revised road transportation rates for urea dispatches by all the units with effect from 1<sup>st</sup> April, 2008. These rates have been escalated on the basis of the composite road transport index for the years 2010-11 and 2011-12 on 18<sup>th</sup> March, 2014 and for the years 2012-13 and 2013-14 on 18<sup>th</sup> September, 2014. The slab-wise rates in respect of primary road movement for the year 2008-09 and escalated/de-escalated upto financial year 2014-15, has also been notified vide Department of Fertilizer's notification dated 17<sup>th</sup> June, 2016.

## 4.2.7 Telecommunications

TRAI regulates telecom services including fixation /revision of tariff for telecom services. The recommendations and orders issued by TRAI are binding on all Telecom Operators including BSNL/ MTNL. Various directions orders and regulations are issued by TRAI on pricing of products and services which are available on TRAI website.

### 4.2.7.1 Mahanagar Telephone Nigam Limited (MTNL)

The telecom sector's objectives cover a wide canvas which includes enhancing efficiency and flexibility of operation, financial viability of the sector, promoting investment and innovation, stimulating demand and competition, addressing unfair competition, and meeting social objectives such as universal provision of telecom services at fair and reasonable rates.

The Indian telecom market being oligopolistic in nature, the prices for services are competition based. Presently, the tariff for telecom services is broadly left to the discretion of telecom operators. They may decide prices in terms of market forces. The telecom Regulator (TRAI) mainly notifies the rates (through Telecom Tariff Orders) at which telecommunication services within India and outside the country are to be charged through various directions, orders and regulations on pricing of products and services which are available on TRAI website. These recommendations and orders issued by TRAI are binding on all the operators (PSU & Private Operators).

A few services for which TRAI has prescribed tariff ceiling / caps are:

- (i) Minimum Recharge Voucher denomination
- (ii) Leased circuits – domestic
- (iii) National roaming services in Mobile services.
- (iv) Interconnect Usage Charges (IUC) between the Telecom operators.

The tariffs for other services are under forbearance, but are required to be consistent with regulatory guidelines and principles of non-discrimination and non-predation. Besides the tariff orders, some other services / facilities like MNP further enhances the competition among operators and pushes them to offer further reduced tariffs and enhance the quality of services to retain the customers.

The following points are taken into consideration by MTNL, for price determination for services to subscribers:

- (i) Tariff ceiling prescribed by TRAI for different services.
- (ii) Tariff offered to subscribers by competitors for similar services.
- (iii) Customer's needs and preferences, and
- (iv) Affordability of customer segments.

Therefore the pricing policy for subscriber services by MTNL is competition based pricing. Prices of products and services are determined as per market trends. Differential pricing strategy is also followed which offers discounts for volume purchases and bundling offers. It is pertinent to mention that cost-based pricing (being very high for MTNL due to legacy costs), could not be implemented, due to high competition in the telecom sector, regulatory provisions and social obligations of MTNL being a PSU.

No subsidy is provided by government to MTNL regarding pricing of services.

MTNL provides all the telecom services / solutions like Fixed line, Wireless, Broadband (Fixed & Wireless), leased lines. VPN, FTTH, Enterprise solutions etc. The charges for services are in accordance with TRAI Regulations and the competitive prices in the market. Discounts are also offered to subscribers requiring bulk / bundled services. Subscribers are



also offered different plans based on usage segments to suit their needs. As they are plan based, it is not possible to quote standard / benchmark tariffs / prices for MTNL services.

#### 4.2.7.2 Bharat Sanchar Nigam Limited (BSNL)

##### Regulatory prospect:

BSNL provides the GSM tariff adhering to TRAI's regulations pertaining to Mobile Tariff. Further, various tariff ceilings prescribed by TRAI for different services including while in roaming is followed by BSNL.

##### Market dynamics :

In India, the telecom market is witnessing a fierce competition with introduction of new telecom operators. In view of this, BSNL is offering GSM tariff to counter the offers of competitors as well as to maximize the market share. Some of the strategic pricing decision are:-

- Free incoming in national roaming.
- Free Data national roaming
- Data at very competitive rate

##### Customer Segmentation and social responsibility:

The telecom solution needs for customers vary from person to person. So, customer segmentation is done to provide the tariff/pricing which addresses the need of a particular segment of customers. For example, student CUG plan (circle level) for student segment, TP-FR plan 199 for travelers, sales executives etc.

**Differential pricing strategy** is also followed which offers discounts for volume purchases and bundling offers.

#### 4.2.7.3 Telecommunications Consultants India Limited (TCIL)

The turnkey projects are executed based on the cost of the products taken from the market by following its purchase procedures. The cost is quoted adding suitable margin for successful implementation of the project. Margin plus TCIL own Project Management cost is taken for costing. Project Management services are evaluated based on efforts required.

## 4.2.8 Civil Aviation

### 4.2.8.1 Pawan Hans Limited

- a) **Competition Based Pricing:** For a majority of Contracts for helicopter services, Pawan Hans Limited has to engage in competitive domestic and global bidding. Most business in offshore Oil and Gas E&P sector and State/Central Govt. leases (for onshore services) is secured in such a manner. In such cases prices are driven by competitive market dynamics in order to secure long-term contracts under Tender bidding.
- b) **Cost Plus Pricing:** For a small proportion of works, Pawan Hans Limited, based on customer request and (or) agreement provides this kind of pricing subject to discussion and negotiation on final price. Such method is allowed for Contracts awarded on nomination basis, if any.

### 4.2.8.2 Airport Authority of India Limited

- (i) AAI levies fees/charges in respect of various services/facilities provided under two broad categories namely Regulated Services (Traffic Revenue) and Non-Regulated Services (Non-Traffic Revenue)

#### A. Regulated Services:

##### (a) Airport Navigational Services:

- I) Route Navigational Facility Charges (RNFC)
- II) Terminal Navigational Landing Charges (TNLC)

##### (b) Airport Services:

- I) Landing Charges
- II) Parking & Housing Charges
- III) PSF (Passenger Service Fees)(F)
- IV) UDF (User Development Fees)
- V) Cargo.
- VI) CUTE Charges
- VII) Ground Handling Services
- VIII) Fuel Throughput Charges

#### B. Revenue from other than Regulated Services (Non-Aeronautical Revenue):

- I) Public Admission Fess

- II) Trading Concessions
- III) Rent and Services
- IV) Car Parking
- V) Duty Free Shops
- VI) Hoarding & Displays
- VII) Revenue from Interest Income

### **Basis of Tariff Determination:**

#### **a) Navigational Charges:**

Presently the Navigational Charges i.e RNFC, TNLC, Extension of Watch Hours are regulated by MoCA on light touch basis.

#### **b) Major Airports:**

Airport Economic Regulatory Authority of India (AERA) is the economic regulator in respect of regulated services for Major Airports (Airports with annual passenger throughput more than 1.5 million is notified as Major Airport) and for other airports Ministry of Civil Aviation (MOCA) is the regulator.

**The Major Airports under AAI as on 01.04.2016 are:**

1. Chennai
2. Kolkata
3. Trivandrum
4. Ahmedabad
5. Calicut
6. Jaipur
7. Lucknow
8. Guwahati
9. Goa (Civil Enclave – International)
10. Srinagar (Civil Enclave – International)
11. Pune (Civil Enclave – Custom Airport)
12. Coimbatore (International)
13. Indore
14. Mangalore
15. Bhubaneswar (International)
16. Visakhapatnam (Civil Enclave)
17. Patna (International)

AERA has laid down the regulatory framework for regulation of Airport Services i.e. Landing, Parking & Housing of an aircraft and other Ground facility offered in connection with aircraft operation at major airports. Tariff is fixed as per the Aggregate Revenue

Requirement (ARR) concept wherein Fair Rate of Return (FRoR) on Regulatory Assets Base (RAB), Operational expenditure, Depreciation and Tax are considered.

The National Civil Aviation Policy, 2016 (NCAP) approved by the Government of India stipulates that “future tariffs at all the airports will be calculated on a Hybrid Till basis, unless otherwise specified for any project being bid out in future. 30% of non-aeronautical revenue will be used to cross-subsidize aeronautical charges”.

The 1<sup>st</sup> Control period of AAI Airports (01.04.2011 to 31.03.2016) will be prepared on Single till basis whereas 2<sup>nd</sup> Control Period (01.04.2016 to 31.03.2021) will be prepared on Hybrid Till basis for the purpose of computation of Aeronautical Tariffs as per AERA letter No. AERA/2010/Civil Aviation Policy/2014-15/9408 dated 4<sup>th</sup> August, 2016.

AERA has already determined tariff for Trivandrum, Calicut and Jaipur airport on Hybrid Till Basis for the 2<sup>nd</sup> Control Period. Further, AERA would issue Tariff order of Goa, Pune, Srinagar, Kolkata airports by October, 2017. AERA is also in process to finalize tariff determination of Chennai, Guwahati, Lucknow and Ahmedabad airports.

Tariff order for Trivandrum, Calicut and Jaipur was applied, w.e.f 01.07.2017, 01.09.2017 & 01.09.2017 respectively.

### **C. Other than Major Airports:**

In respect of other than major airports, the tariff is decided on the principle of cost recovery & other guidelines as laid down by the International Civil Aviation Organization (ICAO) on airport charges. The charges are levied with the approval of Central Government. MoCA has revised the Airport Charges by 10% of Non-Major Airports and ANS charges for all airports w.e.f. 16.12.2016. Further, MoCA has revised Airport Charges by 5% of Non-Major Airports and ANS charges for all airports w.e.f. 01.04.2017.

MoCA vide letter No.G.29019/1/2014/(AAI(77169) dated 15<sup>th</sup> March, 2017 has restored the Aeronautical tariff in respect of Non Major Airports and Aeronautical Charges for ANS as applicable prior to 16.12.2016 at all airports for domestic flights. The restored tariff was applicable for the period 01.07.2017



to 31.03.2018. The existing tariff of Air Navigational and Airport Charges of non-major airports for all international flights has not been restored and prevailing rate will continue.

The Aeronautical Charges for RCS flight is highly discounted for RNFC charges and all other Aeronautical Charges and airport charges (namely, TNLC, Landing, PSF(S), PSF (F), UDF and Night Parking Charges are exempted.

**Concessions / Discount / Exemption for Airport Services:**

- I) AAI is giving various concessions / discounts / exemptions for Air Navigation Services (RNFC & TNLC), Landing, Parking including Night Parking Charges.
- II) Exemption levy and collection from UDF / PSF at airports for children (under the age of 2), persons of Indian Armed Forces on official duty and United Nations Peace Keeping Missions, Airlines Crew on duty etc.

**4.2.8.3 Air India Limited**

(i) Broad Principle of price determination i.e. competition based pricing, full cost pricing/cost plus pricing, import parity pricing/bench-making with international prices, trade parity pricing, price discrimination/dual pricing, e-auction etc. are market driven and constructed taking into cognizance factors including fares offered by competitors in the price sensitive market, product perception, seasonality (as per practice adopted by all airlines worldwide), flight frequency, timings, direct/indirect operations, traffic flow and aerial distance.

Air India offers multiple levels of fares on the domestic network starting with 60 days Advance Purchase fare which progressively increases closer to departure. The Advance Purchase fares are in the days range of 60 and 15 days. The availability of a particular fare on the sector may vary from flight to flight and sector to sector as it is dependent on the demand and supply and availability of seat in a particular fare level at the time of bookings. Fares of the competitors are tracked on regular basis and compared with the prevalent AI fares to ensure they are competitively placed.

(ii) Government directions, if any on fixation of price of the Product/service rendered by CPSEs. This may include the recommendations of Tariff commissions/Regulatory Commissions/RBI

The air fares and tariff have been deregulated. However, DGCA vide various CARs (Civil Aviation Regulations) advised the airlines on the transparency in display of air fares and publishing of tariff (Rule 135 of Aircraft Rules, 1937). As mandated by DGCA, the fare sheets and any change effected is notified to DGCA and uploaded on the AI website accordingly. Furthermore the fare sheets are filed with DGCA every month.

(iii) Alliance Air Services Ltd received ₹73,96,33,692/- during 2016-17 as Viability Gap Funding (VGF) from various Central/UT/State Govts. This is the total receipt figure and not the accrued amount of year 2016-17.

(iv) The price trend during the last 5 years for the major product or Services provided by the concerned CPSEs (in comparison to WPI/ international prices) may also be provided- with dynamic pricing in place it is not feasible to track the fares offered. However, fares offered by Air India are competitive and market driven and are based on market considerations. The fares are priced in such manner that they straddle the entire spectrum of fares offered by the competitors.

(v) Air India is a wholly owned subsidiary of Air India. The Airline operates scheduled air services to cities in the Gulf region and Singapore. The Airline has negligible presence in the Indian domestic market, at this time. Like all off its competitors, Air India Express adopts a dynamic pricing policy based on demand and supply and competitors' fares. Like other LCC, Air India express also adopts the price un-bundling strategy where by the fares charged covers only the core service of transporting the passengers and standard weight of baggage from one point to another. Additional charges are applied for ancillary services such as in-flight meal of choice from a set of menus (the Airline serves a frugal standard meal for all its passenger), advance seat assignment, additional insurance cover and additional baggage over and

above the standard allowance. Over the past five years and more, Air India express has been benchmarking the fares offered by it on various sectors against those offered by other LCC carriers on the routes.

- (vi) At the core of the Airlines pricing policy is the aim to maximize the revenue earned per flight by offering the most competitive fares at all times having reference to the booked loads on various flights and the competitors' fares as has been mentioned above.

### 4.2.9 Pharmaceuticals

Department of Pharmaceuticals on 10.12.2013 enacted the Pharmaceuticals Purchase Policy (PPP) for products of Pharma CPSEs and their subsidiaries where Government of India owns 51% or above share. It came into force for five years. This is applicable to purchase by Central Government Departments/ Ministries their PSUs and also autonomous bodies etc. It is applicable to the purchase of medicines by State government under Health programme funded by Government under Health programme such as National Rural Health Mission etc. National Pharmaceuticals Pricing Authority (NPPA) has fixed Prices in respect of 141 PPP products and 4 PPP products and 9 PPP products respectively. After implementation of GST, the prices have been worked out after taking into account the changes in yearly WPI with effect from 1.7.2017 till further orders.

### 4.2.10 Agriculture Products

#### 4.2.10.1 Wheat & Paddy

The Food Corporation of India (FCI) has been intervening in the foodgrains market through price support policy for farmers and through the public distribution system for consumers. Price support policy is implemented by the FCI primarily in regard to wheat and paddy. The two main objectives of this market intervention are (a) to protect the farmers from volatility in grain markets, and (b) to correct the trade bias against agriculture vis-à-vis other sectors of the economy.

The initial recommendation in regard to procurement

price is made by the Commission on Agricultural Costs and Prices (CACP) in the Ministry of Agriculture, Government of India. These prices are arrived at on the basis of cost of cultivation and several other specified factors rather than on demand- supply basis.

The distribution of food grains to the vulnerable sections of the population by FCI is done at Central Issue Price (CIP). Despite increase in the Minimum Support Prices for both wheat and paddy in successive years, there has been no revision of CIP of food grains (wheat and rice) for Below the Poverty Level (BPL) population, Above the Poverty Level (APL) population and for Antyodaya Anna Yojana (AAY) since July 1, 2002.

#### 4.2.10.2 Inputs: HYV Seeds

After amalgamation of State Farms Corporation of India (SFCI) with National Seeds Corporation (NSC), NSC is engaged in production of high yield variety (HYV) seeds. The Government has not issued any direction to the CPSE on fixation of price of seeds, which are generally determined by market forces. NSC is engaged mainly in production of high volume of low cost seeds of cereals, pulses and oilseeds and has been striving to make quality seeds available to Indian farmers at affordable prices to ensure national food security.

NSC is facing stiff competition from large companies as well as small companies in the segment of its product range. Government has left it entirely to the CPSEs to fix prices of their products, allowing them the freedom to maintain a balance between social objectives and commercial viability.

Seed pricing comprises of two stages i.e. (i) seed production/procurement (ii) seed sale. Bulk of seed production, both foundation and certified, is largely arranged through regular registered contracts with seed growers.

The broad principle of price fixation for seeds by NSC is based on-

- a) Marginal cost pricing
- b) Make up pricing

National Seed Corporation Limited works out the sale

price of seeds by taking the below mentioned cost factors into consideration-

**Production Centre Cost :**

- a) The procurement / purchase price (procurement price is fixed on the basis of MSP plus incentive or Average of Highest Mandi Prices plus incentives for cleaned, graded and laboratory test passed seeds. (At Actual).
- b) Processing cost.
- c) Packing and treatment material cost.
- d) Interest component of advance payment made to seed growers (@ 11% per annum for 6 months on production center cost).
- e) Carriage outwards.
- f) Storage @ ₹3/ qtl. For 6 months.
- g) Overheads : - Cereals (₹150/qtl.), Pulses & Maize (₹400-600/qtl.), Oilseeds (₹600/qtl.), Vegetable seeds (20% of the production center cost), Fodder & Fiber (5% of production center cost).
- h) Selling expenses.

The aggregate of the above works out the total effective cost for NSC.

**Selling Price Calculation :**

In order to work out the sale price of the seeds for sale, the Dealers discount @ 12.5% and margin of

about 5-10% (depending upon market competition) is added to work out the sale price of the seed for sale.

There are no Govt. directions but being Central Govt. Enterprises, working for the welfare of the farmers, the policy of making available seeds to farmers at the economic / competitive price is being maintained.

Subsidy is allowed by Govt. of India to the farmers under two major schemes. NSC sells the seed as per the directions of the Govt. of India through direct benefit transfer scheme and claims reimbursement of the subsidy components thereafter from concerned Govt.

**a) National Mission on Oilseeds & Oil palm (NMOOP):-** Assistance at 50% of the cost limited to ₹2500/qtl. for varieties of Oilseed not older than 10 years except sesamum. Assistance for distribution of hybrid seeds of Sunflower, Safflower, Rapeseed-Mustard, Castor and variety of sesamum. Variety of Sesamum @ 50% of the cost limited to ₹5000/qtl. for less than 10 years old varieties.

**b) National Food Security Mission:-** Subsidy is applicable at 50% of seed cost for seed varieties less than 10 years old, subject to quantity allocation by State Govts. and the set guidelines. The details of subsidy as per GOI's scheme are as under in Table 4.43

**Table 4.43 Subsidy under National Food Security Mission**

Pulses (less than 10 years old varieties)	50% of seed cost or ₹2500/qtl. whichever is less
Cereals (wheat & paddy) (less than 10years old varieties)	50% of cost or ₹1000/qtl. whichever is less .
Coarse Cereals (sorghum, Bajra) (less than 10 years old varieties)	50% of seed cost or ₹1500/qtl. whichever is less
Hybrid (Rice and coarse cereals)	50% of seed cost or ₹5000/qtl. whichever is less

**Products under Administered:-**There is no Administered Price Mechanisum (APM) from Govt. of India in respect of the seeds dealt by NSC.

The comparative sale prices for last 5 years is given in Table 4.44:

**Table 4.44: Average General Sale Price of Certified Seeds during the years 2012-13 to 2016-17**

S. No.	Crop	2012-13	2013-14	2014-15	2015-16	2016-17
<b>Cereal</b>						
1	Wheat	2431	2699	2824	2910	3033
2	Paddy	2437	2844	4145	3903	2918
3	Maize	4916	4742	7126	8089	9395

S. No.	Crop	2012-13	2013-14	2014-15	2015-16	2016-17
4	Sorghum	4870	4599	5021	5239	5027
5	Bajra	1232	2643	3056	2984	3000
6	Barley	2305	2245	2497	2819	3215
7	Ragi	2191	4556	3896	3224	3109
<b>Pulses</b>						
1	Greengram	8983	9111	10488	13306	12948
2	Blackgram	6934	7641	8206	13425	17024
3	Redgram	6110	7665	8161	10615	14603
4	P.Cowpea	6077	7392	7583	8245	9015
5	P.Peas	5198	5494	6143	8271	6447
6	Gram	7723	5873	5328	7206	11737
7	Lentil	6883	7050	7979	11744	14991
8	Moth	5748	11237	7483	11728	11501
<b>OILSEEDS</b>						
1	Soyabean	5064	5762	7594	5968	6624
2	Sunflower	10702	29826	13636	21801	28802
3	Castor	13877	15683	16866	8661	22558
4	Groundnut	9402	9912	8586	6509	7629
5	safflower	3929	4029	5326	5459	6000
6	Mustard	6267	5946	5678	6070	6803
7	Toria	5928	6103	6792	5904	7158
8	Sesamum	9027	13611	17505	17325	13022
<b>FODDER</b>						
1	Oat	3003	3778	4875	6355	5327
2	Berseem	17362	13909	14328	14032	15984
3	Lucern	35123	30838	25842	44459	48555
4	Sorghum	3716	4572	4813	5644	6744
5	Maize	3920	4684	4606	4810	4762
6	Bajra		3000		3086	3031
7	Guar		17611	7552	7703	5599
8	<b>GREEN MANURE</b>					
1	Daincha	3942	4811	3930	3875	3457
2	Sunhemp	5492	7229	5748	5147	5892
<b>FIBRE</b>						
1	Jute	6440	6183	9507	9799	14513

### 4.3 International Operations of CPSEs

The Indian economy has embraced globalization on its own terms and the CPSEs also have a footprint in the global market place. Moreover the prevailing global economic scenario, subdued in this case, also leaves its mark on the international operations of CPSEs.

During the year 2016-17, total foreign exchange earnings of CPSEs was ₹87615.85 crore as against ₹76643.96 crore in 2015-16, showing an increase of 14.32%. Similarly total foreign exchange expenditure of CPSEs was ₹459209.94 crore in 2016-17 as against ₹386957.04 crore in 2015-16, showing an increase of 18.67%.

During the year 2016-17, as many as 134 CPSEs out of the 257 operating CPSEs either had Foreign Exchange Earnings (FEE) or Foreign Exchange Expenditure (FEE) (Annex 4.1). As many as 29 CPSEs were net foreign exchange earners (Annex 4.1). Out of these 29 CPSEs, 9 CPSEs, namely ONGC Videsh Ltd., ONGC Mangalore Petrochemicals Ltd., National Aluminium Company Ltd., Airports Authority of India, Rites Ltd., Air India Air Transport Services Ltd., Engineers India Ltd., Goa Shipyard Ltd. and Indian Rare Earths Ltd. each earned net foreign exchange of more than ₹100 crore during 2016-17.

### 4.3.1 Foreign Exchange Earnings

Table 4.45 below shows the (14) CPSEs that had

gross foreign exchange earnings of more than ₹1000 crore, during 2016-17. Out of these 14 CPSEs, 9 CPSEs namely Air India Ltd., Indian Oil Corporation Ltd., Mangalore Refinery & Petrochemicals Ltd., Bharat Petroleum Corporation Ltd., ONGC Videsh Ltd., ONGC Mangalore Petrochemicals Ltd NATIONAL ALUMINIUM COMPANY LTD., OIL & NATURAL GAS CORPORATION LTD. STEEL AUTHORITY OF INDIA LTD. and MMTC Ltd. have shown increase in gross foreign exchange earnings in 2016-17.

Rest of the CPSEs have shown reduction in their gross foreign exchange earnings during 2016-17.

**Table 4.45: Gross Foreign Exchange Earnings of select CPSEs (more than ₹1000 crore) (₹ in Crores)**

S. No.	CPSE	Gross Foreign Exchange Earnings			Change over the previous year(%)	
		2016-17	2015-16	2014-15	2016-17	2015-16
1	AIR INDIA LTD.	16739.99	9319.12	8912.63	79.63	4.56
2	INDIAN OIL CORPORATION LTD.	14315.36	13923.66	16009.99	2.81	-13.03
3	MANGALORE REFINERY & PETROCHEMICALS LTD.	10030.76	8746.15	19507.84	14.69	-55.17
4	BHARAT PETROLEUM CORPN. LTD.	9788.58	7137.95	12364.27	37.13	-42.27
5	ONGC VIDESH LTD.	7838.87	7681.71	9743.48	2.05	-21.16
6	ONGC MANGALORE PETROCHEMICALS LTD.	3741.21	3522.06	0	6.22	NA
7	SHIPPING CORPORATION OF INDIA LTD.	3555.76	3771.56	4103.73	-5.72	-8.09
8	NATIONAL ALUMINIUM COMPANY LTD.	3277.32	3008.18	3160.71	8.95	-4.83
9	OIL & NATURAL GAS CORPORATION LTD.	3072.87	3033.21	5022.8	1.31	-39.61
10	BHARAT HEAVY ELECTRICALS LTD.	2489.55	3649.85	5433.5	-31.79	-32.83
11	STEEL AUTHORITY OF INDIA LTD.	1737.83	0	1567.68	NA	-100
12	M M T C LTD.	1547.43	682.49	2299.69	126.73	-70.32
13	HINDUSTAN PETROLEUM CORPN. LTD.	1209.42	1810.68	5313.98	-33.21	-65.93
14	RASHTRIYA ISPAT NIGAM LTD.	1057.32	1198.96	868.48	-11.81	38.05



### 4.3.2 Sources of Foreign Earnings

Exports of goods & merchandise, and other income are the major sources of foreign exchange earnings of CPSEs. Exports of merchandise was the major source of foreign exchange earnings in last three years 2014-15 to 2016-17. Its share in total foreign exchange earnings, decreased from 82.21% in

2014-15 to 74.08% in 2016-17 (Table 4.46). The share of Royalty, Know-How, Consultancy Fee and Fee for Professional Services as sources of foreign exchange decreased from 0.43% in 2014-15 to 0.45% in 2016-17. As a whole, there is a reduction of 14.32% in foreign exchange earnings as compared to last year.

**Table 4.46: Foreign Exchange Earnings of all CPSEs (₹ in Crores (%))**

S. No.	Particulars	Foreign Exchange Earnings			Change over the previous year(%)	
		2016-17	2015-16	2014-15	2016-17	2015-16
(i)	Export of Goods on FOB basis	64907.3 (74.08)	58577.66 (76.43)	84732.2 (82.21)	10.81	-30.87
(ii)	Royalty, Know-how, Professional and Consultancy fee	394.61 (0.45)	525.83 (0.69)	445.84 (0.43)	-24.95	17.94
(iii)	Interest and Dividend	300.46 (0.34)	722 (0.94)	120.65 (0.12)	-58.39	498.43
(iv)	Other Income	22013.48 (25.12)	16818.47 (21.94)	17772.65 (17.24)	30.89	-5.37
<b>Grand Total (i) to (iv)</b>		<b>87615.85 (100)</b>	<b>76643.96 (100)</b>	<b>103071.34 (100)</b>	<b>14.32</b>	<b>-25.64</b>

### 4.3.3 Foreign Exchange Expenditure

Table 4.47 shows the (26) CPSEs that had gross foreign exchange expenditure of more than ₹1000 crore during 2016-17.

**Table 4.47 Gross Foreign Exchange Expenditure of Select CPSEs (more than ₹1000 crore) (₹in crore)**

S. No.	CPSE	Gross Foreign Exchange Expenditure			Change over the previous year (%)	
		2016-17	2015-16	2014-15	2016-17	2015-16
1	INDIAN OIL CORPORATION LTD.	157890.05	136188.66	193572.52	15.93	-29.64
2	BHARAT PETROLEUM CORPN. LTD.	62084.77	50701.31	80736.57	22.45	-37.2
3	MANGALORE REFINERY & PETROCHEMICALS LTD.	45121.68	31200.83	49131.5	44.62	-36.5
4	HINDUSTAN PETROLEUM CORPN. LTD.	34733.92	29490.96	47116.65	17.78	-37.41
5	OIL & NATURAL GAS CORPORATION LTD.	20674.8	23024.05	18919.79	-10.2	21.69
6	AIR INDIA LTD.	20373.47	10749.14	9297.31	89.54	15.62
7	CHENNAI PETROLEUM CORPORATION LTD.	19715.14	17446.69	40182.52	13	-56.58
8	STEEL AUTHORITY OF INDIA LTD.	14912.06	11441.68	13584.07	30.33	-15.77
9	M M T C LTD.	10089.82	9183.65	13808.53	9.87	-33.49
10	GAIL (INDIA) LTD.	8711.71	2558.71	8088.49	240.47	-68.37



11	HINDUSTAN AERONAUTICS LTD.	6681.74	7717.49	10288.52	-13.42	-24.99
12	STATE TRADING CORPN. OF INDIA LTD.	6042.56	8254.75	11191.18	-26.8	-26.24
13	NTPC LTD.	5376.9	2220.05	3750.71	142.2	-40.81
14	RASHTRIYA ISPAT NIGAM LTD.	4535.4	3221.75	3588.09	40.77	-10.21
15	ONGC VIDESH LTD.	4148.27	6852.14	2616.25	-39.46	161.91
16	POWER GRID CORPORATION OF INDIA LTD.	3951.56	2966.25	4156.48	33.22	-28.64
17	P E C LTD.	3792.37	3416.57	4669.29	11	-26.83
18	SHIPPING CORPORATION OF INDIA LTD.	3675.89	3678.42	4183.32	-0.07	-12.07
19	BHARAT HEAVY ELECTRICALS LTD.	3349.77	4217.44	4539.76	-20.57	-7.1
20	BHARAT ELECTRONICS LTD.	3170.52	2279.33	0	39.1	NA
21	M S T C LTD.	1922.51	1359.53	1603.48	41.41	-15.21
22	MAZAGON DOCK SHIPBUILDERS LTD.	1555.83	2050.59	1094.39	-24.13	87.37
23	NUCLEAR POWER CORPN. OF INDIA LTD.	1064.27	806.45	645.31	31.97	24.97
24	INDIAN RAILWAY FINANCE CORPORATION LTD.	1044.54	505.95	485.99	106.45	4.11
25	NATIONAL FERTILIZERS LTD.	1022.48	150.65	48.65	578.71	209.66
26	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	1019.77	422.33	141.31	141.46	198.87

Out of 26 CPSEs, 18 CPSEs Namely Indian Oil Corporation Ltd., Bharat Petroleum Corpn. Ltd., Mangalore Refinery & Petrochemicals Ltd., Hindustan Petroleum Corpn. Ltd., Air India Ltd., Chennai Petroleum Corporation Ltd., Steel Authority Of India Ltd., M M T C Ltd., Gail (India) Ltd., NTPC Ltd., Rashtriya Ispat Nigam Ltd., Power Grid Corporation Of India Ltd., P E C Ltd., Bharat Electronics Ltd., M S T C Ltd., Nuclear Power Corpn. Of India Ltd.,

Indian Railway Finance Corporation Ltd., National Fertilizers Ltd. and Dedicated Fright Corridor Corp. Of India Ltd. have shown an increase in foreign expenditure as compared to last year.

Table 4.48 below shows the expenditure of foreign exchange under different heads of import of goods (raw material/plants & machinery), consultancy fee and other payments.

**Table 4.48: Items of Foreign Exchange Expenditure of all CPSEs (₹ in crore)**

S. No.	Particulars	Foreign Exchange Expenditure			Change over the previous year (%)	
		2016-17	2015-16	2014-15	2016-17	2015-16
(a)	<b>Imports (CIF Basis)</b>					
(i)	Raw materials/Crude oil	335831.08 (92.96)	282692.5 (93.3)	443350.61 (95.49)	18.8	-36.24
(ii)	Stores, Spares & Components	11173.18 (3.09)	10963.23 (3.62)	11155.96 (2.4)	1.92	-1.73
(iii)	Capital Goods	14273.01 (3.95)	9336.62 (3.08)	9770.63 (2.1)	52.87	-4.44

S. No.	Particulars	Foreign Exchange Expenditure			Change over the previous year (%)	
		2016-17	2015-16	2014-15	2016-17	2015-16
	Sub Total (a)	361277.27 (78.67)	302992.35 (78.3)	464277.2 (85.26)	19.24	-34.74
(b)	<b>Expenditure on account of :</b>					
(i)	Royalty and Consultancy fee	22632.47 (23.11)	25650.92 (30.55)	20304.66 (25.29)	-11.77	26.33
(ii)	Intrest payment	7448.76 (7.61)	7001.32 (8.34)	6833.79 (8.51)	6.39	2.45
(iii)	Others	67836.89 (69.27)	51288.45 (61.08)	53145.67 (66.2)	32.27	-3.49
(iv)	Dividend remitted in Foreign Currency	14.55 (0.01)	24 (0.03)	0 (0)	-39.38	NA
	Sub Total (b)	97932.67 (21.33)	83964.69 (21.7)	80284.12 (14.74)	16.64	4.58
	<b>Grand Total (a + b)</b>	<b>459209.94 (100)</b>	<b>386957.04 (100)</b>	<b>544561.32 (100)</b>	<b>18.67</b>	<b>-28.94</b>

Note: Figure in brackets are percentage to total

The share of 'raw materials' / crude oil continued to claim the largest share of gross foreign exchange expenditures in last three years of 2014-15 to 2016-17. Its share has increased to 92.96% in 2016-17 from 93.3% in 2015-16. The expenditure in foreign exchange on 'Interest payment' and 'Dividend remitted in Foreign Currency' are showing an increasing trend, whereas 'Royalty and Consultancy fee', other items have shown a decline in foreign exchange expenditure in 2016-17 as compared to 2015-16.

## 4.4 International Finance & Investment

### 4.4.1 Sources of funds

International finance refers mainly to external commercial borrowings, supplier's credit and funds raised through the equity market abroad. Shares of MTNL (ADR) are listed on the New York Stock Exchange and GAIL (GDR) and SAIL (GDR) are listed on the London Stock Exchange. Funds raised by CPSEs in the form of secured and unsecured loans as on 31.03.2016 and 31.03.2017, are shown at Annex -4.2.

Ten CPSEs namely, Oil India Ltd, Indian Oil Corporation Ltd., Bharat Petroleum Corporation

Ltd., ONGC Videsh Ltd., NTPC Ltd., Power Grid Corporation of India Ltd. Indian Railway Finance Corporation Ltd., Power Finance Corporation Ltd., Indian Renewable Energy Devt. Agency Ltd. and Rural Electrification Corporation Ltd. were the major borrowers in overseas market.

### 4.4.2 Foreign Investments by CPSEs

Foreign investment comprises off-shore investment by CPSEs through establishment of Indian subsidiaries abroad as well as joint ventures (JVs) and mergers and acquisitions (M&A). Several CPSEs have set up subsidiaries abroad for marketing their products, for procuring raw materials and for consolidating their international operation.

### 4.4.3 International Operations of Select CPSEs

The paragraphs below discuss briefly the international operations of three of 14 CPSEs as top 'foreign exchange earners' or 'foreign exchange spenders' (more than ₹1000 crore):

#### A. Air India Ltd.

Air India Ltd attained a foreign exchange earnings of ₹16739.99 crore in 2016-17 against ₹9319.12 crore in 2015-16, showing an increase of 79.63%.

The foreign exchange expenditure, however, stood at ₹20373.47 crore in the financial year 2016-17. The net foreign exchange earning was ₹(-) 3633.48 crore during 2016-17.

#### **B. INDIAN OIL CORPORATION LTD.**

IOCL attained foreign exchange earnings of ₹14315.36 crore in 2016-17 against ₹13923.66 crore in 2015-16, an increase of 2.81%. The foreign exchange expenditure, however, stood at ₹157890.05 crore in the financial year 2016-17. The net of foreign exchange earning was ₹(-) -143574.70 crore during 2016-17.

#### **C. MANGALORE REFINERY & PETRO-CHEMICALS LTD.**

Mangalore Refinery & Petrochemicals Ltd. had foreign exchange earnings of ₹10030.76 crore in 2016-17 against the foreign exchange earnings of ₹8746.15 crore in 2015-16, an increase of 14.69%. The foreign exchange expenditure, however, stood at ₹45121.68 crore in the financial year 2016-17. The net foreign exchange earning was ₹(-) 35090.92 crore during 2016-17.

#### **D. BHARAT PETROLEUM CORPN. LTD.**

Bharat Petroleum Corpn. Ltd. had foreign exchange earnings of ₹ 9788.58 crore in 2016-17 against the foreign exchange earnings of ₹ 7137.95 crore in 2015-16, an increase of 37.13%. The foreign exchange expenditure, however, stood at ₹62084.77 crore in the financial year 2016-17. The net foreign exchange earning was ₹(-) 52296.19 crore during 2016-17.

#### **E. ONGC VIDESH LTD.**

ONGC Videsh Ltd. had foreign exchange earnings of ₹7838.87 crore in 2016-17 against the foreign exchange earnings of ₹ 7681.71 crore in 2015-16, an increase of 2.05%. The foreign exchange expenditure, however, stood at ₹4148.27 crore in the financial year 2016-17. The net foreign exchange earning was ₹3690.60 crore during 2016-17.

#### **F. ONGC MANGALORE PETROCHEMICALS LTD.**

ONGC MANGALORE PETROCHEMICALS LTD. had foreign exchange earnings of ₹ 3741.21 crore in

2016-17 against the foreign exchange earnings of ₹ 3522.06 crore in 2015-16, an increase of 6.22%.

The foreign exchange expenditure, however, stood at ₹129.17 crore in the financial year 2016-17. The net foreign exchange earning was ₹3612.04 crore during 2016-17.

#### **G. SHIPPING CORPORATION OF INDIA LTD.**

SHIPPING CORPORATION OF INDIA LTD. had foreign exchange earnings of ₹ 3555.76 crore in 2016-17 against the foreign exchange earnings of ₹ 3771.56 crore in 2015-16, an increase of (-)5.72%. The foreign exchange expenditure, however, stood at ₹3675.89 crore in the financial year 2016-17. The net foreign exchange earning was ₹(-) 120.13 crore during 2016-17.

#### **H. NATIONAL ALUMINIUM COMPANY LTD.**

NATIONAL ALUMINIUM COMPANY LTD. had foreign exchange earnings of ₹ 3277.32 crore in 2016-17 against the foreign exchange earnings of ₹ 3008.18 crore in 2015-16, an increase of 8.95%. The foreign exchange expenditure, however, stood at ₹288.63 crore in the financial year 2016-17. The net foreign exchange earning was ₹2988.69 crore during 2016-17.

#### **I. OIL & NATURAL GAS CORPORATION LTD.**

OIL & NATURAL GAS CORPORATION LTD. had foreign exchange earnings of ₹ 3072.87 crore in 2016-17 against the foreign exchange earnings of ₹ 3033.21 crore in 2015-16, an increase of 1.31%. The foreign exchange expenditure, however, stood at ₹20674.80 crore in the financial year 2016-17. The net foreign exchange earning was ₹(-) 17601.93 crore during 2016-17.

#### **J. BHARAT HEAVY ELECTRICALS LTD.**

BHARAT HEAVY ELECTRICALS LTD. had foreign exchange earnings of ₹ 2489.55 crore in 2016-17 against the foreign exchange earnings of ₹ 3649.85 crore in 2015-16, an increase of (-)31.79%. The foreign exchange expenditure, however, stood at

₹62084.77 crore in the financial year 2016-17. The net foreign exchange earning was ₹(-) 860.22 crore during 2016-17.

#### **K. STEEL AUTHORITY OF INDIA LTD.**

Steel Authority Of India Ltd. had foreign exchange earnings of ₹ 1737.83 crore in 2016-17 against the foreign exchange earnings of ₹nil in 2015-16. The foreign exchange expenditure, however, stood at ₹14912.06 crore in the financial year 2016-17. The net foreign exchange earning was ₹(-) 13174.23 crore during 2016-17.

#### **L. M M T C LTD.**

M M T C LTD. had foreign exchange earnings of ₹1547.43 crore in 2016-17 against the foreign exchange earnings of ₹ 682.49 crore in 2015-16, an increase of 126.73%. The foreign exchange expenditure, however, stood at ₹ 10089.82 crore in the financial year 2016-17. The net foreign exchange earning was ₹(-) 8542.39 crore during 2016-17.

#### **M. HINDUSTAN PETROLEUM CORPN. LTD.**

HINDUSTAN PETROLEUM CORPN. LTD. had foreign exchange earnings of ₹1209.42 crore in 2016-17 against the foreign exchange earnings of ₹ 1810.68 crore in 2015-16, an increase of (-)33.21%. The foreign exchange expenditure, however, stood at ₹34733.92 crore in the financial year 2016-17. The net foreign exchange earning was ₹(-) 33524.50 crore during 2016-17.

#### **N. RASHTRIYA ISPAT NIGAM LTD.**

RASHTRIYA ISPAT NIGAM LTD. had foreign exchange earnings of ₹1057.32 crore in 2016-17 against the foreign exchange earnings of ₹1198.96 crore in 2015-16, an increase of (-)11.81%. The foreign exchange expenditure, however, stood at ₹4535.40 crore in the financial year 2016-17. The net foreign exchange earning was ₹(-) 3478.08 crore during 2016-17.

### **4.5 Research & Development**

A competitive and challenging business environment demands continuous up-gradation and development

of products, processes and services for sustained growth. Research and Development (R&D) contribute substantially towards achieving these goals. In the face of rapid technological advancements, various products and services have a very short product life cycle. CPSEs in this context, therefore, must develop themselves into “Learning Organizations” such that the spirit of creativity, innovation and development is sustained.

R&D, helps phase out products & services through introduction of new designs and technologies and improvement in quality. The other important aspects of R&D relate to execution of development projects which among others involve end user involvement in commercialization of indigenously developed product / technology, suitable empowerment / incentivisation / funding specially for capital intensive R&D in infrastructure like power sector, strengthening R&D infrastructure including prototype development, engaging experts at considerations other than price in knowledge/ competency gap areas etc.

#### **4.5.1 Research & Development Activities in CPSEs**

In India, CPSEs, especially those in the Defence, Energy, Mining and Steel sectors, have long played a leading role in R&D. In 2011, Department of Public Enterprises (DPE) has issued a guidelines on R&D prescribing therein that Maharatna and Navratna companies should invest at least 1 per cent of their profits after tax (PAT) in R&D and that Miniratna and other should similarly earmark 0.5 per cent of their PAT for R&D operations.

While a number of CPSEs have in-house R&D facilities, the others have gone for sponsored research through collaboration with Universities and reputed R&D institutions. Sponsored research is cost effective proposition for CPSEs which cannot afford to incur expenditure on in-house research. There is also a greater awareness of Intellectual Property Rights (IPR) and ‘patenting’ of new knowledge gained and discoveries made in the process of R&D. The National Research Development Corporation (NRDC), a CPSE, is actively engaged in promoting, developing and commercializing technologies, knowhow, patent and processes generated through national R&D



institutions, thus helping individual enterprises and institutions acquire IPR/ Patents for commercial use. Technological collaboration with leading companies of the world has been another approach adopted by CPSEs for upgrading their technological know-how.

The different R&D activities being carried out by various CPSEs in the different groups of manufacturing & services sectors are explained briefly in the following paragraphs, based on the information provided by different CPSEs.

#### 4.5.1.1 Coal

##### A. Coal India Limited (CIL)

The Research & Development (R&D) activity in Coal Sector is administered through an Apex Body namely, Standing Scientific Research Committee (SSRC) with Secretary (Coal) as its Chairman. The other members of this Apex Body include Chairman CIL, CMDs of CMPDI, SCCL and NLCIL, Director General of DGMS, Directors of concerned CSIR Laboratories, representatives of Department of S&T, NITI Aayog and educational institutions, amongst others. The main functions of SSRC are to plan, program, and budget and oversee the implementations of research projects and seek application of the findings of the R&D work done.

The SSRC is assisted by a Technical sub-committee headed by CMD, CMPDI. The committee deals with research proposals related to production, productivity and safety in coal mines, coal beneficiation and utilization, clean coal technologies, protection of environment and ecology etc. CMPDI acts as the Nodal Agency for co-ordination of research activities in the coal sector, which involves identification of Thrust Areas for research activities, identification of agencies which can take up the research work in the identified fields, scrutiny and processing the proposals for Government approval, preparation of budget estimates, disbursement of fund, monitoring the progress of implementation of the projects, etc. Following R&D projects were completed during 2016-17.

- Demonstration of Coal Dry Beneficiation System using Radiometric Technique.
- To find a methodology of safe liquidation in thick seams of Raniganj Coalfields.

- Development of guidelines to predict distance between toe of the Shovel-Dumper dump and that of Dragline dump with consideration of safety and economical design of both Shovel-Dumper dump and Dragline dump - BIT, Mesra, Ranchi.
- Development of tele robotics and remote operation technology for underground coal mines.
- Enhancing life of de-watering pipes in coal/lignite mines by prevention of erosion-corrosion with nano-crystalline surface Engineering Treatments.
- Design and development of truck mounted mobile coal sampler for instant coal ash & moisture analyser at site from railway Mechanics.

Following new R&D projects were approved during 2016-17:

- Development of guideline for prevention & mitigation of explosion hazard by risk assessment and determination of explosibility of Indian coal incorporating risk based mine emergency evacuation and re-entry protocol - IIT-ISM, Dhanbad; CIMFR, Dhanbad; S&R Division, CIL(HQ), Kolkata and SIMTARS, Australia
- Multiple layer trial blasting for better recovery with less diluted coal - IIT-ISM, Dhanbad and CMPDI, Ranchi. Technical Participation - University of Queensland, Brisbane, Australia
- Studies on the Use of Coal and Petcoke as Fuel in the Cement Industry in India - IIT-ISM, Dhanbad and CMPDI, Ranchi
- Indigenous Development of Through-The-Earth (TTE) Two-Way Voice Communication System for Underground Mines - IIT, Bombay and CMPDI, Ranchi.
- Development of a methodology for regional air quality monitoring in coalfield area using satellite data and ground observations - CMPDI, Ranchi and National Remote Sensing Centre (NRSC), ISRO, Hyderabad.

##### B. NLC India Limited

Centre for Applied Research & Development (CARD) is the in-house R&D Centre of NLC India Ltd. CARD has been granted accreditation for chemical and mechanical testing (for certain parameters only)

by National Accreditation Board for Testing and Calibration Laboratories (NABL). This accreditation is based on the international standard ISO/IEC 17025:2005 and meets the principles of ISO 9001 that are relevant to scope of testing services as well as technical competency of the laboratory.

Following R&D projects were completed during 2016-17

- Conservation of Energy through implementation of Programmable Logic Control (PLC) based Dynamic Loading System on Conveyor System.
- Delineation of buried sub-surface objects in opencast Mines.

#### 4.5.1.2 Electricity

##### A. POWERGRID

POWERGRID adopts and encourages the research & development (R&D) activities in pursuit of technological excellence in power transmission. . Notable among them, are the prestigious 1200kV National Test Station project at Bina Madhya Pradesh and the Process-bus in Substation Automation System.

Specific areas in which R&D has been carried out by the company and benefits derived thereby are given below:

##### Completed Projects:

- HVDC project with LTT thyristor in Balia-Bhiwadi HVDC
- Four converter transformer arrangement arranged in such a configuration that outage time of transformer is minimized.
- Completed in-house design of 9 no. towers for transmission lines.
- Completed in-house design of approx. 600 nos. tower foundations for transmission lines upto 765kV including 40 nos. of pile foundations.
- Completed testing of 5 nos. of towers for various transmission lines including 800kV HVDC, 765kV EHVAC D/C and 200kV multicircuit towers.
- Development of Indigenous vendors for 765kV Transformers, Reactors, Circuit Breaker, Current Transformer and Wave Trap.

- Completed Re-conducting of 400 kV Farakka-Malda line with High Temp Low Sap Conductor.

##### Ongoing projects:

- Indigenous Development of 1200kV UHVAC Technology - POWERGRID has successfully commenced the power flow through 1200kV National Test Station in the month of May, 2016. For this project of national importance, POWERGRID has collaborated with Indian equipment manufacturers for getting the 1200kV equipment developed, which have been presently installed, charged at 1200kV voltage and loaded at the test base in Bina, Madhya Pradesh for long term field operation and
- Fault Current Limiters: To control increasing short circuit current levels in the network, application of series reactors as fault current limiters in the Grid is being taken up. Initially 4 no. series reactors comprising of 2 no. series bus reactors at Mandola and Ballabgarh and 2 nos. series line reactors at Mandola end of Dadri-Mandola 400kV D/c would be taken up and subsequently with operational experience, additional series reactors would be considered for implementation.
- Dynamic Compensation: Static VAR Compensators (SVC) at 3 locations in NR and STATCOM at 1 location in SR have been commissioned. SVCs at 1 location in NR and STATCOMs at 13 locations in all India grid (4 no. in Western Region, 4 no. in Eastern Region, 3 no. in Southern Region and 2 no. in Northern Region) are being implemented for dynamic control of reactive power in order to maintain the voltage and improve the stability of the grid. These dynamic compensations would be based on State-of-the-Art technologies and would provide online dynamic support to the Grid.
- Development of in-house tower and foundation designs including 66kV, 132kV, 220kV,  $\pm 320$ kV HVDC,  $\pm 800$  kV HVDC and 765kV D/C Multi Circuit towers for use in on-going transmission line projects.
- Development of Indigenous Vendors for HTLS Conductors.



- **Green Energy Corridors:** To facilitate integration of largescale renewable generation, POWERGRID has started implementation of Green Energy Corridors (GEC) in eight renewable resource rich states in the Country. These corridors, covers establishment of pooling substations, inter-state transmission lines at 765kV & 400 kV level along with reactive compensation. Further to handle variability & intermittency of renewable energy sources, we are establishing renewable energy management centers (REMC) in various SLDC/ RLDC/NLDC. REMC would enable forecasting of renewable resources and efficient management of intermittent renewable generation. We are also performing a vital role in evacuating renewable generation through solar resources across nation and has evolved comprehensive plans to evacuate power from various ultra-mega solar parks through Inter-state transmission network. Further, Your Company is also implementing the evacuation system for various solar parks integrated with ISTS network in the Country
- Implementation of Controlled Switching schemes of circuit breakers for 400kV transmission line reactors and transformers
- Engineering Data Integration on GIS Platform.
- Process bus Technology - Gaining experience from the pilot projects on Process Bus technology at Bhiwadi substation and Neemrana substation, POWERGRID has initiated the project at Malerkotla substation for retrofitting conventional protection and control schemes with advanced automation systems based on Process Bus. Also, POWERGRID is utilizing Process Bus technology in the upcoming 220/66kV GIS substation project at Chandigarh. The new scheme is expected to ease the maintenance and trouble shooting in future and also restoration time will be extremely low in case of any eventuality. Also the replacement of large amount of copper cables with minimal fiber optic cables is expected to optimize space requirement.
- **Pollution mapping:** POWERGRID in association with Southern and Eastern Regional Power Committees (SRPC & ERPC) and the constituent STU's of the Southern & Eastern Regions is carrying out Pollution Mapping activity in Southern & Eastern Regions.
- **Geographic information system tools -** POWERGRID has initiated utilizing geographic information systems tools like Bhuvan on pilot basis for mapping its transmission assets, for route alignment during planning of new transmission lines and for disaster management studies.
- Development of Indigenous vendors for 765kV Isolators and surge arrestors.
- Development of indigenous 765 kV clamps, connectors and insulator string hardware.
- Spare phase switching arrangement is being adopted for 765 kV transformers and reactors to minimize outage / shut down period
- Implementation of smart grid technology in power system is being carried out through installation of phasor measurement units (PMU) on EHV substations in pan India basis integrated with control centres for Wide Area Measurements and real time monitoring of grid parameters.
- Providing Smart Grid consultancy for nine (9) projects covering distribution infrastructure, advanced metering infrastructure, intelligent outage management, electric vehicle charging stations, power quality management, distributed generation, net metering etc.

## **B. Nuclear Power Corporation of India Limited (NPCIL)**

Technology Development activities of NPCIL are grouped under four verticals of (a) R&D Facilities, (b) Remote Tooling, (c) Indigenization and (d) Construction Time Minimization. Corporate R&D Centre, Tarapur carries out execution related to experimental set ups and mock-ups for qualification and validation of design. These activities are aimed at achieving continual enhancement of nuclear & radiation safety, reliable operation and reduction in costs of Nuclear Power Plants.

### **(A) R&D-Technology Development.**

During the FY 2016-17, major achievements/ progress of completed and ongoing activities of Directorate of technology Development (D'TD) team under the above mentioned four verticals have been as follows:

## R&D Facilities

Significant progress achieved relating to completion of test facilities and experimentation at corporate R&D Centre at TMS, Tarapur are as follows

- Hydrogen Recombiner Test Facility (HRTF)
- Containment Filtered Venting System (CFVS)
- Iodine Scrubbing thru Containment Spray System
- CHF facility
- 700MW Fuelling Machine Test Facility (FMTF)
- Thermal hydraulic Test Facility (NTTF) & ITFT Project
- Primary Coolant Pump Test Facility (PCPTF)

### Indigenization:

Indigenous development of hitherto imported items of critical nature has been further advanced for various components and equipment. Efforts are on and visible progress achieved for alternate vendor base widening of certain critical equipment in spite of several constraints. The progress on the subject matter is as follows

- Steam Generator tube sheet forging for 700MW PHWRs: Tube sheet made of Alloy Steel 20 MnMoNi55 of size ~ 2.3m dia. & 700mm thickness has been successfully developed and delivered for the first time in the country.
- Pre-formed Large Dia. Pipe Bends: Indigenous Development of full scale hot induction bent preformed spools for large diameter & high thickness (600mmNB & ~ 50mm Thk) Primary system piping of impact tested Carbon Steel (ASME SA333 Gr 6) has been successfully completed meeting the detailed qualification requirements including mechanical & metallurgical evaluation.
- Shutdown Cooling Pump (SDCP): To ensure availability of indigenous supply chain, the alternate vendor development order placed earlier has progressed significantly. Pump manufacture test facility erected. Helium leak tests for pump assembly over. Preliminary performance tests found satisfactory. Full performance testing is in progress.

- Primary Coolant Pump motor of 6.0 MW capacity: Mechanical design, Seismic analysis, certain radiation & thermal aging of components placed on sub venders are completed. Manufacturing and machining of Shaft, Flywheel & HX completed. Manufacturing of support frames in progress. Preliminary seismic analysis completed.
- Cobalt Adjustor Rods (Co ARs) & Tools: Based on full scale trials with tools and coolant flow studies, modifications incorporated in 700MW Cobalt Adjustor Rod design and full scale assemblies received from NFC. Dummy Shielding Flask with integrated tool for handling of Co ARs received at R&D Centre and full scale operation trials carried out. Design and development of Cobalt AR Remote Operating Tool (CAROT) for SFSB under water operation completed.

### Remote Tooling:

During the year all remote tooling related requirements of Operating Stations were met in a timely manner.

### Construction Time Minimization:

Construction time minimization of NPPs has been identified as a major area for utilizing technological advancements in the field. Major modularization concepts including auto welding of large sized pipes are in process.

### (B) R&D-Electronic Systems

The significant progress made by R&D-ES Group during the year under report is as follows:

- The development and Independent Verification and Validation (IV&V) at R&D-ES laboratory for Containment Ventilation and Common Services Control and Monitoring System (CVCSCMS) software for digital C&I systems for 700 MW plants have been completed.
- Installation of software for CVCSCMS consisting of 13 IO nodes completed at KAPP-3.
- Software development for Reactor Processes Control and Monitoring systems, (PHT Pressure control, SGLC, SGPC etc.) is completed and IV&V started in R&D-ES laboratory.
- Software Development of Reactor Control and Monitoring System (RCMS), which includes RRS,

CTM, TPMS, FMS etc. is completed and IV&V at R&D-ES laboratory for some system is being started.

- Software Development of Test and monitoring system-1, (TMS-1) and TMS-2 is completed.
- Software Development of Shut off Rod Drive Control System is completed.
- Configurable system software as Common Software Platform for all in-house developed the I/O Nodes (Embedded Systems) has been developed, errors found were rectified. Validation of Common Modules at R&DES laboratory is in progress.
- So far about 450 numbers of development documentation for all C&I systems for 700 MW plants are completed & issued for Independent Verification & Validation. Review reports of some of the documents is also issued by IV&V.
- Enhanced the Software for Integrated Hardware Testing for Digital I&C Systems (DI&CS) for 700 MW. The configurable software is extensively used now by CCIP vendor for testing the DI&CS for KAPP-3&4 and RAPP-7&8.

#### 4.5.1.3 Crude Oil & Gas

##### A. Oil & Natural Gas Corporation (ONGC)

Specific areas in which R&D was carried out:

- Drilling, Coring and Logging of 16 Parametric Wells in Kaikalur-Lingala Area, Andhra Pradesh.
- “Prolonged Stability Tests of IIT-D Developed Catalysts for HI Decomposition Reaction of S-I Cycle”, in collaboration with IIT-Delhi.
- “Characterization of supported metallic oxide catalysts and their stability in H<sub>2</sub>SO<sub>4</sub> decomposition section of I-S cycle”, in collaboration with IIT-Delhi.
- Scoping Study for Integration of GGS process system in association with Solar Block with Engineers India Ltd (EIL).
- Development of specialized microbial culture bank for energy recovery from lignite and matured oil reservoirs, with ARI, Pune.
- “Thermal modeling to assess Geothermal Energy Potential in Gandhar area of Cambay Basin”,

was taken up and completed by Basin Modelling Group, KDMIPE, Dehradun.

- Design of wells for Mumbai Offshore having simultaneous loss and activity situation. (BH-N & BSE#Q)
- Feasibility study on application of MPD in Pressurized Mud Cap Mode in wells having simultaneous loss and activity.
- Study of compatible mud wt. requirement in conjunction with hole stability & non-damaging productivity of pay zones of Sub-hydro static & depleted Tipam formation of Assam Asset, Assam.
- Study the Attainment of enhanced Lubricity in Drilling fluid with the use of alternate lubricant other than EP Lube for Drilling Deeper and Troublesome BCS, BMS, Kopili and Tura Formations.
- Determination of critical salt concentration for optimizing the doses of Potassium Chloride (KCl) used in Hydro fracturing for the inhibition of Clay swelling.
- Identification and feasibility studies of suitable stabilizer as a substitute of Ammonium Chloride (NH<sub>4</sub>Cl) to establish its efficacy in matrix acidizing job.
- Deep Penetrating Retarded Acid System (DPRAS) & Self Diverting Acid Stimulation technology for wells of NBP & other fields of Mumbai Offshore: Implemented in 30 wells and have resulted in realization of substantial gain.
- Closed fracture acidization (CFA): Technology inducted from collaborative R&D project with M/s Halliburton, for stimulation of conventional and horizontal wells in tight carbonate reservoirs, was successfully customized and implemented in 18 wells of Mumbai Offshore.
- Debottlenecking of cooling water network of Uran Plant: For effective debottlenecking of cooling water network, the modifications recommended by IOGPT have been implemented which solved flow issues leading to improved heat transfer.
- Feasibility study of installing turbo expander in LPG-I & II for additional recovery of heavier hydrocarbons of Uran Palnt.

- Surge analysis of 14” oil trunkline from Nawagam CTF to Koyali Refinery & 12” oil trunkline from South Kadi CTF to Kalol CTF & 8” oil trunkline from Gamij GGS-III to Ramol GGS of Ahmedabad Asset.
- Scheme conceptualization of skid mounted modular surface facilities for processing of Mandepeta gas & condensate of Rajahmundry Asset.
- Failure analysis of SRP units & sub surface pumps in wells of Ahmedabad Asset. Suggested recommendations have been implemented.
- Structural Integrity check of well platforms-for installation of additional risers & J-Tubes for subsea wells pipeline.
- Requalification Studies of Process Platforms and wellhead Platforms.
- Corrosion Audit of offshore installations and Subsea pipelines.
- Failure analysis of Process pipelines, flow arms and equipment etc. as per requirement and mitigations measures.
- Quantitative Risk Assessment (QRA) Study of offshore and onshore Installations.
- Soil investigation for Mooring Buoy and platform locations of Indian offshore.
- Prospectivity analysis of Syn-rift sediments, Cambay Basin.
- High resolution Sequence stratigraphy of Daman area and South Cambay Basin.
- Petroleum System modeling of Tripura- Cachar Fold belt, Kutch –Saurashtra Basin, Cambay Basin & Jaisalmer Basin.
- Sediment Dispersal Pattern and high resolution bio-stratigraphy.
- Structural evolution and structural Modeling of major tectonic elements of North East India.
- Depositional model of Surma Group sediments, Western Tripura.
- Diagenetic implications in Tura Formation of North Assam Shelf.
- Petroleum generation and expulsion studies in Kutch Offshore Basin.
- Geochemical characterization of oils, Source rock studies, Oil to Oil & Oil to Source correlation, High resolution geochemical characterization of oils, Fluid correlation and characterization.
- Integrated analysis of structural evolution and hydrocarbon prospectivity of Murud depression and South Mumbai low.
- To improve sand signature within coal laminated BCS sequences in Lakwa-Lakhmani area of North Assam Shelf block.
- Play Fairway modelling and prospectivity analysis of Patan-Sanchor and Mehsana Blocks of Western Onshore.
- Evaluation of basement fracture geometry in Mattur-Pundi area, Tanjore Sub-Basin, Cauvery Basin.
- Suppression of coal effect from seismic data & Geostatistics for subsurface uncertainty estimation in Wadu Paliyad area.
- 3D R&D Reproc+ PSTM Geothrust 3D work flow establishment on Khoraghat-Nambar area (Focus/ GD).
- Scheme for revival of R-12 (Ratna) and development of R-Series fields carried out.
- Simulation study of low salinity water-flood in identified pilot area in Mumbai High South completed successfully.
- Additional Development of B-193 field on revised GCM was carried out.
- Comprehensive development of NBP field was carried out.
- Review of development of L-II reservoir of MH North by updating existing geological model completed.
- Integrated simulation studies of all pay sands of Nawagam field based on GCM prepared by E&D Dte was carried out.
- Simulation study of GS-1 Sand (Block of G-698) of Gandhar Field, NUP and NMP of Nada Field carried out.
- Conceptual development of Water Injection scheme of TS-4 sand of Charali field based on simulation study completed.
- Redevelopment of Santhal field by updation of GCM by incorporation of well data from 90 new wells carried out successfully. FR has been approved.



- Feasibility study for field application of surfactant flooding in KS-II sand of Nandasan field through simulation/classical analysis completed.
- Single well tracer test for evaluation of efficacy of low salinity water flood process in Mumbai High South was carried out.
- Continued application of water control job by optimizing water shut-off technology field/well specific for different Assets of ONGC, OVL and Oil India Ltd. 50 water shut-off/profile modification jobs using deep penetrating Polymer gel were designed and executed in 2016-17 with special mention of water shut off in offshore gas well BC-2 of Bassein field, Gas shut off in well SN232 and water shut-off in wells of Gopavaram field of Rajahmundry Asset.
- Application of MEOR processes viz. MEOR in huff-n-puff mode, PDB jobs for paraffin degradation in tubulars in Mehsana & Ankleshwar Assets. 13 PDB and 13 MEOR jobs in wells of Mehsana and Ankleshwar Assets carried out.
- Miscibility test using HC gas of LBS-6 on crude oil of LBS-2 pay sand of Laiplingaon field indicated nearly miscible by yielding an ultimate displacement efficiency of 70% at initial reservoir pressure of 350 kg/cm<sup>2</sup>. The miscibility pressure, higher than 350 kg/cm<sup>2</sup> is attributed mainly due to higher methane concentration in the injection gas. It can be brought down to around 255 kg/cm<sup>2</sup> by enriching injection gas composition to a level of 65% methane content.
- Preparation of integrated Geocellular models of MHN (L-II), B-193, B-192 (Revisit), Heera (for Bandra gas), G-1, Gamij, Santhal, Kalol (IX+X sector), Nada, Jambusar (JS-1), Geleki(TS-6, Revisit), Demulgoan, Agartaladome, Gandhar (GS-3A, Revisit) were completed.

#### **B. Gas Authority of India Limited (GAIL)**

GAIL has engaged in greater R&D collaboration with various Engineering Institutes and CSIR laboratories to pursue a judicious portfolio of basic, applied and pilot R&D projects in the identified thrust areas. Various developmental projects are also undertaken at sites to improve safety and efficiency of existing installations.

Some of the important initiatives and achievements during the year are indicated below :

- Application of high resolution satellite imagery for pipeline monitoring.
- Development of Robot for Health Monitoring of Pipeline.
- Pilot testing of wireless sensor network for pipeline data transfer.
- Setting-up of a Pilot plant for conversion of waste plastic to diesel.
- Development of novel adsorbent materials for low pressure storage of natural gas.

#### **4.5.1.4 Petroleum (Refinery & Marketing)**

##### **A. Hindustan Petroleum Corporation Limited**

HPCL has set up a Green Research and Development Centre (HPGRDC) at Bengaluru with an objective to develop innovative & path breaking technologies and products in the energy sector. The Phase-I of HPGRDC has laboratories in the areas of FCC / RFCC, Hydro-processing, Catalysis, Bio-processes, Crude Evaluation & Fuels Research, Analytical, Process Modelling & Simulation and Nano Technology which are built with state-of-the-art research facilities / equipment. HPGRDC has a dedicated team of about 80 scientists and has been recognized by Department of Scientific and Industrial Research (DSIR). R&D centre has been made fully functional during 2016-17 and is carrying out research in various areas like development of new products, development of new technologies up gradation of existing technologies etc. It was dedicated to the nation by the Hon'ble Minister of State (Independent charge), MoP&NG on October 14th, 2016.

HPCL is an Industry Member from India on the two Indo-US Consortia projects on 'Development of technologies for conversion of lignocellulosic biomass into biofuels' and 'Development of novel and cost effective Thermal Storage Fluids for Solar Thermal Applications'. HPCLs R&D is also undertaking various collaborative projects with IISc Bengaluru, IIT Kanpur, IIT Madras, IIT Delhi, IIT Bombay, IIP Dehradun, ICT Hyderabad, NCL Pune,

ARCI Hyderabad, JNCASR Bengaluru and PPISR Bengaluru.

During 2016-17, HPGRDC has filed 13 Indian patents and 13 International patents and developed two key technologies and demonstrated on commercial scale, viz., (i) Development of Hydrogen PSA adsorbent for purification of HGU Reformer gases and (ii) Development of SprayMax FCC feed nozzles which were installed and commissioned at both HPCL Refineries.

The following eight (8) number products / technologies were demonstrated by HPGRDC till date which led to significant cost advantages and efficiency improvements in HPCL.

### 1. IHP-HiGAS Technology

HPGRDC developed new generation 'HP-HiGAS' technology for gas absorption / separation application. The technology is based on 'Process Intensification' and intensifies mass transfer through rotating packed bed having high centrifugal process. The first of its kind commercial unit was commissioned at HPCL Visakh Refinery for the process of H<sub>2</sub>S removal from fuel gas. The existing conventional trayed column (23 meters) was replaced with 2.5 meters HiGAS unit achieving size reduction by 10 times. This technology has significant potential for H<sub>2</sub>S, CO<sub>2</sub> absorption from refinery fuel gases and natural gas offshore treatment. Further developments are being undertaken to develop second generation technology with improved performance.

### 2. Hydrogen PSA Technology

Pressure Swing Adsorption (PSA) is extensively used for purification of Hydrogen from mixture of gases. The technology is offered by very few foreign licensors worldwide. HPCL commercialized H<sub>2</sub>PSA technology, and the first unit with 36,000 Nm<sup>3</sup>/ hr capacity was commissioned at HPCL Visakh Refinery producing 99.5% H<sub>2</sub> from the CCR off-gas feed. Technology has been developed synergizing knowledge of adsorbents and process sequencing. HPCL plans to set-up new H<sub>2</sub> PSA units in future and is now ready for offering the technology in India and abroad.

### 3. SprayMax: FCC Feed Nozzle

Feed Nozzle is a critical hardware component of a FCC unit, which atomizes liquid feed into finer droplets.

This helps in enhancing desired vapour phase reaction. These nozzles are supplied by technology licensors only. HPCL developed "SprayMax" nozzles for FCC unit & successfully commercialized at HPCL Mumbai & Visakh Refineries. Concept to commercialization of "SprayMax" nozzles has gone through various stages viz. design conceptualization, Air-water testing with prototype nozzle & CFD study. Advantages are conversion increase by 1-2wt%, improved MoC, suit to site design with minimum hardware modification & short lead time for delivery.

### 4. Cat Visbreaking Technology

HPCL has developed Cat-Visbreaking process for increasing the distillate yield in Visbreaker unit while maintaining stability of fuel oil. Usage of HPCL developed VisCat Catalyst helps in increasing conversion in Visbreaking unit & thereby reduces the fuel oil production. This was successfully demonstrated at HPCL Visakh Refinery Visbreaker unit with conversion improvement of 3 to 4 wt.%. VisCat is a liquid catalyst and easy to implement in existing Visbreaker units with very short payback. Further, oil soluble VisCat was developed with higher activity resulting in higher distillate yields.

### 5. HP FurnOKare

Furnace tube scaling is a commonly encountered problem in refineries, which over a period of time becomes thick deposits. This reduces the heat transfer efficiency of the tubes & the skin temperature increases to the maximum design temperature. To address this, HPCL developed in-house chemical formulation for online cleaning of furnace tubes for removal of scales without shutting down the unit. The product was successfully implemented at 16 furnaces of HPCL Refineries and one furnace at MRPL Refinery with significant reduction in arch temperature by 80 to 120 Degree C.

### 6. HP Bio-Activa

HPCL developed a new bio-additive for the treatment of refinery effluent. The newly developed product consists of adapted microbial consortia along with essential nutrients for boosting the microbial activity. The addition of HP-Bioactiva reinvigorates the biological system resulting in about 70% reduction



in BOD, COD, and phenolics. The newly developed bio-additive has undergone extensive testing in HPCL refineries (Mumbai & Visakh refineries) and has shown sustained activity with high chlorides tolerance along with sulphurous compounds and ammonia.

### 7. HP-CoSol

HPCL has developed a highly selective HP CoSol process for lube oil yield improvement in Solvent Extraction units. This process uses mixed solvent system comprising of co-solvents along with N-Methylpyrrolidone (NMP) and was implemented at HPCL Mumbai refinery. The commercial plant trials resulted 2 to 3 wt.% raffinate yield improvements for 500 N distillate and Deasphated oil operation respectively. The process is highly selective towards removal of Polycyclic Aromatic hydrocarbons (PAH). The PAH reduction was observed to be 2-3 wt.% compared to base case in the lube raffinate, which will be useful as blending stock in production of low PAH rubber process oil.

### 8. PoWer 99

A high performance gasoline fuel composition with 99 Octane rating using a suitable additive was developed. 'PoWer 99' is the product with highest octane rating in the country targeting high end vehicles. The product has been launched in Bengaluru and New Delhi markets.

### B. Bharat Petroleum Corporation Ltd.

BPCL's Research and Development Centers are actively engaged in developing innovative products/process technologies and cleaner fuels/fuel additives to reduce environmental footprints while improving company's profitability.

During 2016-17, BPCL Corporate R&D centre has received global recognition in the form of "Excellent Paper Award" at 23rd World Energy Congress (WEC), held during October 2016 in Istanbul, for in-house R&D efforts on methanol catalyst development. Likewise, national level accolade was received, during IChE convention, for the joint developmental work with ICT, Mumbai on Process Intensification of Crude Oil and Vacuum Residue upgradation by Hydrodynamic Cavitation and microwave irradiation.

These awards showcase the commitment and success story of BPCL R&D in developing sustainable future.

Further, BPCL Corporate R&D Centre successfully developed and commercialized a device (dongle) named BPMARRKTM, for rapid prediction of refining characteristics of crude oils. BPCL-Corporate R&D Centre has successfully developed de-waxing catalyst and currently 12 MT catalyst is being produced commercially for replacing existing catalyst in 2017-18. Commercial scale trials for production of white oils and de-aromatized solvents in Mumbai Refinery LOBS unit, diesel lubricity additive for hydrotreated diesel stream, Column overhead corrosion inhibitor named "BHARAT NEUTRACHEM" and biodegradable metal cutting oil were successfully carried out prior to full scale commercialization. Process know-how for production of Micro Crystalline Wax (MCW) through additive route was developed and its demonstration at 250 kg scale was successfully completed at NRL.

The Product and Application development R&D has contributed significantly to the business volume and profitability through development of new grades and alternate formulations of Lube oil. This has helped in increasing the lube oil product portfolio and reducing the input cost of BPCL.

BPCL R&D centers have acquired significant knowledge in the areas of synthetic fuels, synthetic lubricants and super adsorbent polymers. The centers have filed more than 85 patent applications in the last 10 years and aspire to commercialize new products every year on a sustainable basis. During 2016-17, BPCL-R&D centers have filed 3 Indian and 4 international patent applications and obtained 3 patents (1 India and 2 in other countries)

To develop new technologies through fundamental research and innovation, BPCL R&D continued to collaborate with academia and other knowledge partners for fulfilling the company's vision of being a truly innovative and technology driven company. In this context, BPCL-R&D centers continued research collaborations with a number of leading research institutes and made substantial progress in 2016-17. Some of these include IIP, ICT, EIL, BITS Goa, Delhi University while international partnerships with PSE-UK, NTNU-Norway, CSIRO Clayton, RMIT

and University Melbourne-Australia have established platform for development of cutting edge technologies for future.

#### 4.5.1.5 Other Mineral, Metal & Material

##### A. NALCO

- 150m<sup>3</sup> per batch effluent Water Treatment Plant with Emrion Nano Technology of Eesavyasa Technology Pvt Ltd, first of its kind in the world was commissioned at Smelter Plant and is in operation. After completion of the Deffuoridation Plant based on the nano technology, trial was completed on 30.11.2016 successfully.
- After development of the process, High Speed Extrusion Alloy (HSA) billet, a value added product, the New Product Grade CH-90 added to NALCO's standard product list. Commercialisation of High Speed Extrusion Alloy (HSA) billet was done 25.01.2017, with dispatch of the 1st consignment.
- Under the MOU agreement with CHALIECO/Guiyang Aluminium Magnesium Design & Research Institute Co. Ltd. (GAMI), China lab scale study for extraction of iron concentrate from red mud, a waste of Alumina Refinery Plant has been completed. Conventional High Gradient Pulse Magnetic Separation and a new technology-Disperse Magnetic Calcinations & Magnetic Separation was attempted for extraction of iron concentrate from Red mud.
- A study was undertaken to establish suitability for iron recovery and 100% utilisation of Red Mud (Plant waste) with M/s. Shenwu Group, China. Lab scale study has been successfully completed and the test report has been received
- MOU has been signed with Bhabha Atomic Research Centre (BARC), Mumbai on 10th May, 2016 for development of chemical method and technologies for value added processes and product in aluminium industry. Under the agreement two studies have been under taken by BARC i.e. (i) development of Gallium extraction technology from Bayer's Liquor of Alumina Refinery process and (ii) Use of red mud in nuclear reactors.

- MOU agreement was signed with 'The Energy and Resources Institute' (TERI) for (i) Generating new knowledge on mining rehabilitation methods and technologies, (ii) Sustainable Rehabilitation of Red mud areas, and (iii) Capacity building of relevant officials
- Four Patent applications were filed during the year.

##### B. NMDC Limited

R&D Centre is committed to maintain its excellence in undertaking product and Technology Development Missions related to ore and Minerals through continual improvement in process performance for enhanced customer satisfaction.

It undertakes R&D work related to mineral processing, flow sheet development, mineralogical studies etc. R&D Centre extends vital support to NMDC's existing mines. Expertise of R&D Centre is also being extensively used by other organizations in iron ore and allied sectors in India and abroad.

The Centre has implemented Integrated Management System comprising ISO 9001 : 2008 (Quality Management System), ISO 14001 : 2004 (Environment Management System), OHSAS 18001 : 2007 (Occupational Health and Safety Assessment System) and SA 8000 : 2008 (Social Accountability). It has Department of Scientific and Industrial Research (DSIR) recognition as in-house R&D unit. For renewal of recognition of In-house R&D application has been filed and the certificate will be received during April 2017. It's Chemical Lab has been accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL) in the field of chemical testing.

The thrust areas of NMDC Ltd.'s R&D Centre are as follows:

- Developing technologies for enhanced utilization of iron ore fines.
- Providing technical solutions to the problems related to quality and productivity of NMDC mines.
- Up gradation of processing Technology of existing process plants for better productivity and to meet the customer requirement.

- Development of Technology for utilization of mine wastes.
- Development of Value Added process and product through innovation

#### **FUTURE PLANS**

- Improving recovery of Iron units in slime beneficiation Plant of Donimalai.
- To improve the screening efficiency of secondary screens by at least 3% of existing plants at Kirandul, Bachel and Donimalai.
- Development of dry beneficiation processes for iron ore fines below 1mm.
- Characterization of overburden from Kirandul Complex, Bachel Complex and Donimalai Complex for exploring their utilization.
- Enhancing the separation efficiency of magnetic separation by adding external agent.
- Development of cold bonded iron ore pellets.
- Study on abrasive wear and frictional characteristics of liner materials used in Iron ore storage and handling.
- Evaluation of Applications for Nano iron / iron oxide particles of Blue Dust and Lean Grade Iron Ore Slimes in Batteries and sensors.
- Process development for preparation of Silica Sol from Lean Grade Iron Ore Slimes by Hydrometallurgical route

#### **4.5.1.6 Steel**

##### **Steel Authority of India Limited (SAIL)**

Research and Development Centre for Iron & Steel (RDCIS) of the Company is India's premier research organization in the field of ferrous metallurgy. Recognizing that development and assimilation of new technologies & process innovations are basic tenets for sustainable growth, SAIL has given thrust for its R&D efforts through its well equipped R&D Centre located at Ranchi. It has more than three hundred diagnostic equipment and adequate pilot facilities under fifteen major laboratories. The centre undertakes research projects encompassing the entire spectrum of iron & steel starting from raw materials to finished products. In the year 2016-17, 108 projects were pursued and 42 projects completed with substantial benefits to the organization.

RDCIS also pursues pioneering work in the area of development of niche products as per market requirements aiming at superior performance based on application. During the Financial Year 2016-17, twenty products have been developed and some of the noteworthy products include resistant steels for Indian construction segment, Aircraft carrier ships, Submarines, Domestic LPG Cylinder, Tipper body, Earthmovers and Line pipes, etc

The Centre in its pursuit for excellence in various research fields enters into collaboration mode of research in specific areas with renowned research institutions and academia. During the Financial Year 2016-17, MOU/ Collaboration agreements have been entered into with institutions such as NIFFIT, Hatia, Ranchi; Kalyani Carpenter Special Steel Pvt. Ltd., Pune; PSG College of Technology, Coimbatore and IIT Kharagpur.

In order to maintain market leadership, improve operational efficiencies, nurture process innovations and enhance quality of products to international levels, SAIL embarked upon an ambitious Master Plan for R&D during 2011-12 aiming at integrating R&D initiatives towards business & operational goals of the Company. This called for creating Centre of Excellence (CoE) in all the Plants and implementing High Impact Projects (HIP) and Technology Missions (TM) so as to achieve technological eminence. This initiative has taken roots and is under different stages of implementation.

The efforts of RDCIS engineers and scientists have culminated in filing of 35 patents and 28 copyrights (in association with SAIL Plants) during 2016-17. As many as 95 technical papers (27 international) were published and 127 papers (52 international) were presented. In addition, RDCIS undertook contract research work and provided consultancy services and know-how to organisations outside SAIL.

#### **4.5.1.7 Fertilizers**

##### **A. Rashtriya Chemicals & Fertilizers Limited (RCF)**

Company has taken up several Research and Development projects, some of which are for commercial scale design and engineering. They are as under:

## **Nanotechnology Research: Patent application**

The world agriculture is facing problems like climate change, soil degradation, desertification, high energy cost and depleting natural resources. Despite sizable increase in the use of chemical fertilizers over the years, the gap between the nutrient removal and replenishment is significantly high in India. In order to address the National and Global needs, the application of Nanotechnology in agriculture has great potential. Bioresearch has ventured into the area of Nano particles and its application in agriculture for increasing crop productivity and nutrient use efficiency. Application for an Indian patent has been done with title “Fertilizer Composition” Publication Number 20/2016 Publication Date 2016/05/13 Publication Type INA Application Number 201621015019 Application Filing Date 2016/04/29. The product has a potential to revolutionize the fertilizer and agriculture scenario.

**Registration of Phosphogypsum based value added product as “Ca: S: TOC:: 12:10:2.5 for increasing nutrient use efficiency.**

Recent studies have suggested that the world will need to produce 60 to 100% more food when the global population will reach 9 billion by 2050. This requires a radical change in the way food is produced, stored, distributed and accessed. Land degradation in the form of depletion of soil fertility, erosion and water logging has increased. With a view to make agriculture sustainable and enhance the nutrient use efficiency, an attempt was made to formulate recipe for blending organic matter and soil conditioner “gypsum” components together and standardise the combinations to maximise the crop yield and nutrient use efficiency. Field trials in-house and in Agriculture Universities were conducted for evaluating nutrient use efficiency. An increase of 17% in yield and increase of nutrient use efficiency to the extent 50% were reported. The application of this product has been submitted to Department of Fertilizers for registration under Fertilizer Control Order (FCO) 1985

## **The upcoming fertilizer revolution- Nanoparticles fertilizer based field trial**

Nanotechnology has been termed as the “future technology” and is being applied in various fields viz.

medicine, pharmaceuticals, food, sensors, electronics and agriculture. The application of nanotechnology to agriculture is relatively unexplored field. Nanoparticles (NP) of any element are found to exhibit different characteristics than the original bulk material. The reactivity of the Nanoparticles is much higher than the basic particles. In view of this known characteristic of NP, it was thought to implement this in the field of fertilizers. The idea was to increase the fertilizer (nutrient) use efficiency thereby decreasing the losses of nutrients in environment through mineralization, leaching etc. R&D Centre was successful in bringing an idea to reality. Formulations of Suphala (N:P:K 15:15:15) along with ZnO nanoparticles were developed and in-house trials were carried out. After successful inhouse field trials, trial at farmer’s field were planned& conducted wherein the application of 25% NPK with Nanoparticles have shown profound effect on the growth and quality of onion crop.

## **NABL Certificate for R&D laboratory**

The R&D-lab has been accredited with National Accreditation Board for Laboratory Testing and calibration (NABL) certification for micronutrients fertilizer and soil sample analysis. This accreditation has great importance with respect to the analysis and is graded as ISO 17025:2005. The results generated by NABL accreditation Lab are considered to be the most authentic. R&D has commercialized this facility for the outside customers. Detailed information regarding this facility is also provided on RCF internet website: [www.rcfltd.com](http://www.rcfltd.com). This facility is being utilized by farmers, students and compact manufactures for testing soil compost as well as water.

## **Bio-waste Composting**

With a view to implement the “Swacch Bharat Abhiyan”, an initiative of GoI, R&D has initiated efforts for disposal of waste through composting. Composting is being carried out through pit method.

## **Commercialization of Micronutrient grade for Vegetable Basel for Tamil Nadu state**

The R & D department of RCF Ltd has developed micronutrient grade (No.VI) for Vegetable basal application in solid form for Tamil Nadu State. The product has been commercialized successfully.



During the year 2016-17, a quantity of 25 MT was manufactured and marketed.

## **B. National Fertilizers Limited (NFL)**

Company has an R&D Policy and R&D Plan duly approved by its Board of Directors. Further, in order to promote research in the field of fertilizers, Department of fertilizers, in assistance with Fertilizers PSUs has set up a research institution viz. Indian Council for Fertilizers and Nutrient Research (ICFNR) which would be exclusively devoted to promotion of research in fertilizers. The office of ICFNR has been housed in the premises of NFL's corporate office at Noida. To start with NFL, RCF and FAGMIL would contribute ₹5 crore towards seed money required for ICFNR.

ICFNR shall be working on R&D in the areas of fertilizers manufacturing technology, use of raw materials and innovation in fertilizer products through partnership and collaboration with various research institutes, fertilizers industry and other stakeholders.

### **4.5.1.8 Chemicals & Pharmaceuticals**

#### **Hindustan Fluorocarbon Limited (HFL)**

Company is continuously conducting the research & development to deliver goods through innovative development.

The Company has carried out following R&D activities during the year 2016-17

- Development of 7% carbon filled grade with modified PTFE. Samples were sent to the party for evaluation.
- Development of modified PTFE emulsion grade in lab scale reactor.
- Development of pigmented PTFE for specialty applications

### **4.5.1.9 Heavy Engineering Medium and Light Engineering**

#### **A. Bharat Heavy Electricals Limited (BHEL)**

##### **Innovation**

Innovation capability and a culture of creative development are important drivers for achieving growth. The rapidly changing business environment,

increasing competition and shrinking margins make it imperative to develop new products & processes and improve the performance & efficiency of existing products. BHEL follows a structured approach for R&D and technology development. It has a well-defined R&D policy & structure and infrastructure enabling a culture of innovation and creative development.

To keep abreast with the latest technology, BHEL has entered into technology collaboration arrangements with leading global engineering and manufacturing companies. It has successfully indigenized these technologies to meet the requirements of Indian customers and to establish manufacturing facilities at its own works. Today, with twelve on going collaborations, BHEL is focusing on successful adaptation and timely absorption of these technologies.

R&D organizational structure of the Company is headed by Director (E, R&D), supported by Corporate Technology Management (CTM) at corporate level. CTM has been formed to strengthen engineering and R&D capabilities of BHEL in an integrated and focused manner so as to have strong capabilities in product development & engineering guided primarily by responsiveness to the ever-evolving market demands.

In addition, each product group in BHEL units has a dedicated Research & Product Development (RPD) group well complemented by a centralized Corporate Research & Development Division at Hyderabad.

The Company has a structured approach for strengthening R&D infrastructure, consisting of laboratories at Corporate R&D and manufacturing units, Centres of Excellence, Specialized Research Institutes, well equipped with state-of-the-art R&D infrastructure benchmarked with the best in the world.

BHEL is focusing on the following in mission mode to build and consolidate capabilities in emerging and existing areas:

- Establish 800 MW Advanced Ultra supercritical Power plants with parameters 710 °C/310 ata covering design, engineering, manufacturing installation & commissioning



- In-house capability to establish grid connected Solar Power plant with matching BOS (Solar PV).
- Develop in house capability for transmission HVDC ( $\pm$  800 kV) transmission products/ substations.
- Develop total capability for transmission products/ substation of GIS up to 765 kV.
- 3-phase propulsion systems for all railways needs covering electric/ diesel- electric loco, EMU, DEMU,
- MEMU, Coaches, metro and rolling stock addressing urban transportation.
- E-mobility and Energy storage solutions.
- Develop & commercialize applications in the area of emerging technologies like High Temperature Superconducting (HTSC) Motor, Fuel cell upto 5 kW rating, efficiency improvement of crystalline silicon

BHEL has recorded significant achievements on R&D parameters during the year. The R&D expenditure of the company for the current financial year is H 793.62 Crore which is 2.75% of the turnover. This also includes the expenditure incurred on R&D efforts gone into major modifications/ improvements in product/ designs against customer requirements which are not covered in R&D projects. The company filed 508 patent and copyright applications during the year 2016-17, enhancing the company's intellectual capital to 3,915. A total of H 6,025 Crore (20.89%) of the company's total turnover has been achieved from its in-house developed products.

During the year, there have been significant developments/improvements in engineering, processes and products covering various business verticals like Power, Industry, Transportation and Renewables. Some notable achievements are:

- Indigenously designed and manufactured 420 kV GIS bay being supplied for NHPC Chamera project.
- Developed 2x500 kVA Hotel Load Converter (HLC) to replace polluting DG sets for Indian railways. The first 2x500 kVA HLC was commissioned in the locomotive attached to Chennai-Coimbatore Shatabdi express. With this

successful development & field trial, BHEL has secured an order for supply of 32 sets of HLC through competitive bidding.

- Designed and Commissioned India's first 1 MW Seasonal Tilttable Canal Top Solar PV Plant at Bhimavaram, AP.
- Designed, commissioned and demonstrated 25 kWp floating solar plant at Narsapur Lake (near Hyderabad), Telangana. Besides generating power at higher efficiency, the floating solar farm conserves precious irrigation and drinking water by reducing evaporation.
- BHEL has undertaken development of model software for Boiler and Auxiliaries for GUI based modeling tool for Thermal power plant simulator as an MOU R&D Project with Govt. of India and successfully completed it on 24th Dec 2016. This will be used to offer GUI tool based Thermal Power plant simulators, which results in savings in cash out flow and eliminates dependency on external vendors. Simulator for NTPC, Gadawara, TSGENCO's Nalgonda (800 MW) will be supplied with this tool.
- BHEL has undertaken development of Aero Mechanical design of axial flow compressor for process applications as an MOU R&D Project with Govt. of India and successfully completed it on 31st Aug 2016 achieving state-of-the-art efficiency level. This capability will enable BHEL to become an OEM in axial compressor industrial segment.
- Developed two cylinder reheat steam turbine with new back pressure HP module for 70 MW rating industrial sets. This turbine incorporated advanced blading and brush seals resulting in improved heat rate. This turbine is for supply to M/s NIRMA, Bhavnagar (Gujarat).
- Developed a new variant of 80 MW, 11 kV, 50 Hz, 3000 RPM Air cooled Turbo Generator with compact overhang brushless exciter, supplied to M/s NIRMA, Bhavnagar (Gujarat).
- Developed an efficient variant 5075 kW, 11 kV, 10 Pole ID fan motor with modified slot combination and slot size achieving low noise & low starting current for 3X660 MW North Karanpura STPP.

- Developed a new 3250 kW, 11 kV, 30 pole, vertical, slow speed cage Induction Motor for lift irrigation application which is capable of withstanding external thrust upto 140 Tonnes. Supplied to M/s Xylem Water
- Solutions India Pvt. Ltd. for Sardar Sarovar Narmada Nigam Ltd. (SSNNL PS-1).
- Developed a new compact 4061 kW Diesel Alternator to suit compact mounting requirement of Turbo diesel engines for 18 MW Diesel generator based power station for export order of M/s Man Turbo Diesel Engines in Union of Comoros.
- Developed High Temperature wear resistant coating by HVOF process and stellite coating by laser cladding on Ni-Based super alloy material (IN617 CCA) for Advanced Ultra Supercritical (AUSC) Steam Turbine control valve components. Developed coating shows four to six times improvement for high temperature erosion resistance over base material (IN617 CCA) at lab scale and will be used for HP & IP control and stop valves for AUSC applications.
- Developed In-house capability through establishing special welding procedure & advanced NDT techniques for special Nickel based alloy IN617M capable of operating at high temperature & pressure for Advanced Ultra Supercritical (AUSC) Boiler applications.

### **B. Bharat Dynamics Limited**

Research & Development is a thrust area for design and development of various products for Indian Armed Forces. Company has developed Anti- Tank Guided Missile Launcher, Test Equipment, Outdoor Simulator, Infrared Interference Indicator, Counter Measures Dispensing System (CMDS) etc. as import substitutes.

Company has identified various products for the requirement of Indian Armed Forces and currently its research and development is in process. The company is also working on the design and development of avionics system such as Counter Measures Dispensing System (CMDS) for Indian Air Force. CMDS and its Test Equipment for various platforms are being developed as import substitutions. There is substantial market for CMDS.

### **C. Bharat Electronics Ltd.**

- Research and Development (R&D) has been the core strength of BEL. Various R&D Divisions of BEL are involved in developments of Strategic components, Technology Modules, Subsystems, Products, Systems and System of Systems. Apart from in-house efforts, BEL R&D Engineers are working with DRDO, Other National Research Laboratories and Academic Institutes for Joint development. During 2016-17, R&D activities have been carried out in all the business segments namely Radars, Military Communication, Naval Systems, Missile Systems, Electronic Warfare, Avionics, C4I systems, Electro-optics, Tank Electronics, Gun up-grades, Civilian Equipments & Systems and Components.
- BEL has Three-Tier R&D Structure namely CRL, Central D&E and PD&IC (Product Design & Innovation Centre) and D&Es attached to SBUs/ Units.
- Two Central Research Laboratories (CRLs) at Bengaluru and Ghaziabad are involved in conducting futuristic R&D in core technology areas of BEL and develop enabling technology modules for use by SBUs/Units.
- Central D&E and PD&IC at Bengaluru develop common technology modules as required by SBUs/Units like Radar Signal Processing Units, Encryption modules, Microwave components, Computing elements, Power Amplifiers, Power supplies, MMICs, Displays etc.
- SBU/Unit D&E groups provide System and System of Systems solutions having the required domain expertise, technical support during the complete product life cycle : from concept design to post sale obsolescence management of Product/System and develop sub-systems and processes as necessary from CRLs, C-D&E, PD&IC and Collaborative R&D.
- The analysis of turnover of the company for the year 2016-17 indicates that 87% of the Turnover is from products developed through in-house effort and jointly with DRDO and remaining 13% of Turnover is from Products/System for which technologies were acquired through Foreign/ Indian Collaborators.

- During 2016-17, the R&D Divisions of BEL have completed development of several new Products/Systems/Technology modules. The following are some New Products/Systems for which development has been completed and some of them were introduced during the year.
  - (i). Weapon Locating Radar is developed for identifying the launch points of weapons accurately. It acts as a forced multiplier in the war field.
  - (ii). Battle Field Surveillance Radar is a man portable, battery operated, tripod mounted Pulse Doppler Radar. It is capable of detecting moving targets in the operating band. The Radar can be operated using remote Control and Display Unit .
  - (iii). Identification of Friend or Foe Radar Mark II is designed to work with Air Defence Fire Control Radar in interrogation modes.
  - (iv). HUMSA NG for P15B class of ships is a Bow mounted Active cum Passive Sonar used for surveillance and tracking of surface & subsurface targets in both active & passive modes with enhanced fault tolerance and interfacing capabilities.
  - (v). USHUS-2, an Integrated Submarine Sonar Suite, designed to effectively challenge the underwater threats in a comprehensive way. It consists of multi sensors for Active, Passive, Under Water Communication, Intercept and Obstacle Avoidance operations.
  - (vi). Coastal Surveillance system is a Maritime Rescue Co-ordination Centre built by networking 10 Radar Sensors connected to a Control Centre. The Radar Stations are built with sensor equipment such as Radar, Automatic Identification System and Electro-optic System for generating the data related to air and sea surface targets.
  - (vii). The Advanced Composite Communication System (ACCS) is an IP based Integrated communication system provides quick and reliable communication over VLF, MF, HF, V/ UHF and Satcom bands facilitating Ship to Ship, Ship to Shore and Ship to Air communications. The System is installed in Indigenous Air Craft Carrier.
  - (viii). The Gigabit Ethernet based Ship Data Network (GBE SDN) for P15B provides a single broadband network for voice traffic, real time data and video for external communication, Combat Management System and Ship System Equipment. SDN also provides a Network Health Monitoring system to monitor and manage the health of its elements.
  - (ix). Existing Radio Relays supplied to customer support 2 Mbps data rate. The equipment have been upgraded to 8 Mbps and additionally ECCM feature has been added. It gives reliable communication in terminal mode and in repeater mode.
  - (x). VHF Tactical Radio (Bharati) is software configurable indigenously designed frequency hopping Radio in the frequency band of 30 MHz to 88 MHz. It is a lightweight, compact design, high performance Voice and Data communication equipment for Manpack and Mobile role.
  - (xi). Missile Data link provides secure two way communication between Ground station and Missile. The design is based on CDMA-Direct Sequence Spread Spectrum (DSSS) technology.
  - (xii). BEACON MKIII is a compact crypto device providing high grade of secrecy for data communication on PSTN Lines using V.34 modem and LAN/WAN Network (10/100 Mbps). It supports both "ON Line & OFF Line" modes of operation.
  - (xiii). Ship borne EW system is a modern ESM system operating from B-J Band with high Direction of Arrival accuracy (DoA). The system is designed with wide band and narrow band receivers with inbuilt finger printing capability. The system is compact and can be configured for different class of ships.
  - (xiv). HHTI with LRF is an integrated multifunction sight consisting of Thermal Imager, Laser Range Finder, CCD Colour Day Camera, Global Positioning System and Digital

Magnetic Compass with inbuilt Clinometer. The equipment is capable of providing day and night viewing capability, target range measurement, Self Position of Observer and target co-ordinates during day/night.

- (xv). Border Surveillance System (BoSS) uses sensors like Day Camera, Thermal Imager and Battle Field Surveillance Radar (BFSR) to acquire target information and transmit these information to Control station through Optical Fiber Cable (OFC)/Wireless Link.
- (xvi). Uncooled TI binocular is a state-of-the-art long range hand held dual field of view thermal imaging camera used for surveillance purpose.
- (xvii). VVPAT system is designed with a Thermal printer that interfaces with the Control Unit and Ballot Unit in the conventional Electronic Voting Machine (EVM). The VVPAT system prints the voter's franchise on a thermal Paper slip and gives visual indication to the voter.
- (xviii). The Point of Sale (POS) device is used for automation of Ration distribution process including online Aadhar Authentication of beneficiaries, distribution to genuine beneficiaries and inventory reporting at the Fair Price Shop.
- (xix). Dual Frequency IP Modem is a Ethernet coherent modem with Dual frequency outputs to mitigate multipath effects and supports voice/video/data for Tropo Communication.
- (xx). 2KW L/S Band Amplifier is a broadband high frequency Power amplifier with modular construction to achieve graceful degradation of power and network management support.

#### **D. Rajasthan Electronics & Instrumentation Ltd (REIL).**

REIL R&D activities are aimed at achieving Corporate Mission by addressing customer expectations through development of new products and up-gradation of existing products/ processes to deliver competitive, economic and reliable products/ solutions while protecting the intellectual property rights

Company has approved R&D Policy by the Board of Directors. It has fully equipped Research &

Development center with latest tools & technologies, skilled & experienced manpower. The Center has been recognized by the Department of Scientific & Industrial Research, Ministry of Science & Technology, and Government of India since 1985. The prime objective of the activities are to develop new technologies to meet the customer needs, continuously improve upon the process specification and techniques for optimum utilization of resources, consistency in quality comparable to the national standards, utilities of its existing products and development of new higher variant of existing products as well as new hi- tech products to meet the customer's requirements.

Major development projects undertaken in 2015-16 include following:

#### **Smart GPRS Unit (SGU)**

Smart GPRS unit is designed to provide GPRS connectivity for SDPEMT & DPMCU. It upgrades the functionality of SDPEMT & DPMCU and provides online features like download of personalization, rate chart & member data. It also sends the transaction data of individual member from SDPEMT & DPMCU to Server. SGU removes the need of Smart card, serial pen drive which was used for data transportation to central location, and now directly communicates with server for data transfers.

#### **GPRS based DPMCU-Project Implementation:**

Based on the customer requirement, Software upgradation of GPRS based DPMCU for Paayas dairy, Maahi dairy, baaani dairy and Shreeja dairy was done. As per new requirement received from customer, various modifications and new features added such as:

- Shift synchronization process is added for peripheral check, to update time/rate/member files automatically, to automatically upload dispatch data of previous 22 shifts etc.
- Before uploading the dispatch data, uploading of the transaction data is ensured.
  - Domain authentication and reset domain option is added.
  - Year directory logic is added so that user can access previous year's files from the current date.



- Incorporating all the modifications, DPU version V805PG0154 was released for Paayas dairy. Customized DPU software versions for Maahi dairy, Baani dairy and Shreeja dairy were also released. As of now, 5607 number of GPRS based DPMCU have been installed at various location of Paayas, Maahi, Baani and Shreeja Dairies. R&D team is constantly providing support to the field staff in installation and operation.

### **Modem for GPRS based DPMCU**

A GPRS modem is a GSM modem that additionally supports the GPRS technology for data transmission. A key advantage of GPRS over GSM is that GPRS has a higher data transmission speed.

The existing product line of REIL agro dairy products is being upgraded with additional facility of GPRS integration. The milk collection data is transferred instantly to the central server ensuring the transparency in the system. Since GPRS modem is integral part of the system, Modem is be developed by REIL only to ensure quality and availability.

### **Hybrid Solar Electric Vehicle Charger**

By realising the importance of reducing dependence on oil imports and reduction of CO<sub>2</sub> emissions, Govt of India is taking holistic measures to develop electric mobility market in India with manufacturing base and all supporting infrastructure. The infrastructure includes way side battery charging facilities and development & manufacturing of high energy batteries. One key to creating a significant market for EVs will be provision of adequate charging facilities.

Hybrid and Electric vehicles expected to have 35% to 45% lower emission in comparison with gasoline powered vehicles. The emission levels can further be reduced drastically by the usage of renewable energy sources. Hence, to make utilise of available solar energy and reduce further emission levels, it is desirable to have solar powered vehicle charging stations.

REIL has developed on board charger to be used for charging EV batteries. The on-board charger takes standard AC power supply from charging station and converts into DC which is regulated as per battery requirement. Hence EV charging stations provide standard AC Supply of required current capacity so that EVs can directly plugged into wall socket.

It gives the following advantages: -

- Export of solar power to grid in case of solar charging station is idle or lightly loaded.
- Facilitates the charging of EVs in case of Non availability of solar power.

## **E. Engineers India Limited (EIL)**

EIL has continually endeavoured to deliver optimum services to clients by providing value addition and leveraging technological advances. It is with this objective of fostering spirit of innovation and creativity in the organization that the Research and Development Division was established. R&D has contributed significantly in the consolidation of existing capabilities, development of new technologies and hardware besides enhancement of the portfolio for special technology related services. The Division is pursuing developmental activities, both in house and in collaboration with academic institutes like IIT Delhi and other R&D organizations like IOCL(R&D), CSIR-IIP, BPCL(R&D) etc. Apart from these established R&D organizations, EIL (R&D) has also been collaborating and cooperating with small companies to promote the creative ideas generated by them.

During the year, R&D Division undertook the following initiatives for development of new capabilities and up-gradation/commercialization of existing capabilities:

### **Technology development projects initiated in following domains:**

- Membrane process for oxygen enrichment through air separation.
- Membrane process for removal of wax from solvents.
- Technology for removal of heat stable salts from amines using resin.
- Process for CO<sub>2</sub> capture from flue gases.
- Above ground sulfur seal pot for Sulphur Recovery unit.
- Improved model for steam jet ejector design & performance prediction.
- Performance Prediction Model for Desalter.
- Boiler and GT-HRSG simulator.



- Databank for potential coal for gasification initiated.
- Development of capability for Energy Optimization in Refining Sector.
- Radio tracer studies with spherical/extrudates type of catalyst to characterize hydrodynamics of improved 3 phase reactor configuration for hydroprocessing applications.
- An initiative titled EngSUI has been launched in support of the Government of India's flagship program Start-Up India, which seeks to promote innovation in the hydrocarbon value chain through collaboration with Incubation Centres at leading.
- De-foaming cyclonic device in Pre-flash drum.
- System for gas-liquid distribution on a catalyst bed in a trickle bed type cross flow reactor.
- Novel water cooled flat plate type distributor with integrated fines capturing system for high pressure and high temperature fluidised bed coal gasifier.
- Flat plate type distributor for fluidised bed gasifier handling high ash coal.
- Desalter feed inlet device.
- Desalter Internals.

#### Technology commercialization efforts:

- Scoping Study Report completed on Integration of Gas Gathering Station with Solar Block at Kadi, Mehsana for ONGC Energy Ltd (OEC).
- Feasibility Report prepared for 2G Ethanol Plant for HPCL.
- Licensor selection and Detailed Feasibility Report (DFR) for 2G Ethanol Plant at 3 locations for HPCL is in progress.
- DFR for 2G Ethanol Plant at one location for IOCL is in progress.
- DFR for 2G Ethanol Plant at 3 locations for BPCL has also been initiated.
- DFR for 2G Ethanol Plant for MRPL has also been initiated. Energy Efficiency Improvement Studies for 15 PSU Refineries are in progress.
- As part of BEE's PAT Cycle 3, scientific methodology developed to calculate MTOEs and identify threshold energy consumption limits for the units in petrochemical complexes.
- TGT Technology has been accepted by MRPL for Grass root design of TGTU.
- Two-day Technology Seminar conducted on the Theme "Advanced Technologies for Productivity Improvement in Refineries". It was extremely well received with delegates from IOCL Mathura, IOCL Panipat, IOCL Jawaharnagar, IOCL BGR, IOCL Guwahati, IOCL Paradip, BPCL MR, NRL and HPCL Visakh in attendance.

#### Patents filed/granted

During the year 7 patents were filed as below:

- A method and device for above ground liquid sulphur seal with degassing.

#### The following patent has been granted this year:

- Patent No. 274583 dated 29/07/2016: Novel Process for Regenerative Sulfur Dioxide Removal from Gases.

#### 4.5.1.10 Transportation Equipment

##### A. BEML Ltd.

The Company has an in-house design, research and development setup. It continues to play a vital role in design and development of new products / aggregates, continuous up-gradation of existing products and indigenization activity.

R&D Centre at KGF Complex ("R&D Facility"), the biggest design and development center for earth moving machinery in India is supplemented by R&D centers located at Truck Division and Engine Division at the Mysuru Complex and Product Engineering teams colocated at EM and H&P divisions in KGF. Facilities in specialized areas like hydraulics, powertrain, structural engineering, and material science are available at the R&D Centre. Computer Aided Design (CAD) / Computer Aided Engineering facilities are established for digital design and virtual simulation for product design and validation. R&D facilities for diesel engine design and development, including emission measuring infrastructure and testing facilities are located at the Mysuru Complex.

The R&D set-up in Defence business vertical is engaged in the areas of High Mobility Heavy Duty vehicles, Armoured Recovery and Repair vehicles (ARRVs), Mine Ploughs, Transmissions and Engines. The Company has entered into technology tie-up with M/s. Pearson Engineering Ltd, UK for Mine Ploughs.

The R&D set-up in Rail & Metro business vertical is basically involved in design & development of Metro & Railway rolling stock, up-gradation of existing products based on the market need and indigenisation of imported aggregates. In this regard, the Company has entered into technology tie-up with M/s. Hyundai Rotem Company for Metro Cars

During the year, R&D designed, developed and launched upgraded version of 100T Dumper (BH 100-1) to suit customer requirements, in addition to successful up-gradation of other existing products of the Company

Depending on the sectoral needs for the year 2016-17, R&D launched the following products / projects:

#### Mining & Construction:

- BH100-1 - design and development of MTU Engine, Allison Transmission on new frame with Bolt on type Power Train and Bolt on type Hydraulic & Fuel Tank assembly with integral Transmission Oil Cooler & Brake Oil Cooler in the bottom tank of Radiator.
- BH60M - integral parking brake, low noise cabin, tiltable and telescopic steering column, independent replaceable exhaust blanket and design and development of optimized Front & Rear Suspensions for 60T Dump Truck Model to enhance the life of Suspensions
- BD155/355 Dozer - design and development of CAN based single 7" LCD display instrumentation and electrical system with enhanced diagnostics, safety features and data logging of critical parameters and also development of Proportional Steering & Brake valve
- 100T Dump Truck - development of Rear Axle with Wet multiple disc brake and integral parking brake and development of Front & Rear Suspension with optimum tube

#### Defence:

- Design and development of various parts and accessories in respect of Arjun Armoured Repair & Recovery Vehicles (ARRV) has been completed.

#### Rail & Metro:

- DMRC RS13 - Prototype developed incorporating upgraded features in propulsion system and incorporation of CCTV. Main line tests/trails under progress.
- Kolkata Metro (E-W) - Conceptual design has been successfully completed for the key systems. Prototype development is in progress. Further, Standard Gauge Bogie frame of Kolkata metro cars developed and the same are undergoing fatigue testing at R&D Structures laboratory.
- Diesel Electric Tower Car (DETC) – Design completed and development work is under progress.

#### B. Cochin Shipyard Limited (CSL)

R&D policy of CSL is to enhance the Company's pre-eminence in Shipbuilding, Ship repair and other chosen fields and products through Research and Development. In-house R&D activities have been undertaken during the year 2016-17 in the areas of welding procedure development and qualification of welders.

Welding of thin austenitic stainless steel plates (SS- 304L) of the cargo containment system of LNG carrier is a specialized process. CSL endeavoring in to move into LNG carrier construction, capability building in above process is of paramount importance to yard. In the above context, weld procedure specifications (WPS) have been developed in-house for fillet-lap welding of following SS-304L grade plates:

- Flat plate of thickness 1.2 mm with 1.2 mm corrugated plate in two weld positions, 1F and 2F (flat and horizontal positions);
- Plate of thickness 1.2 mm with 8 mm thick plate in two weld positions, 1F and 2F.

#### C. Goa Shipyard Limited (GSL)

Research & Development is a major thrust area and at present, GSL has a well-established R&D center which has been recognized and registered as in house R&D unit by the Department of Scientific and Industrial Research (DSIR), Ministry of Science and

Technology, Government of India. GSL is the first shipyard to have achieved this unique distinction of receiving the recognition, which is valid for 5 year i.e. 31<sup>st</sup> march 2021.

The CAD setup in the company has the latest AVEVA Marine software with advanced features. Design of Fast Patrol Vessels for Mauritius Police Force and Offshore Patrol Vessels for Sri Lanka Navy were completed in the AVEVA Marine software. The migration of multiple projects from earlier Tribon to AVEVA Marine was executed. For the repeat order for 5 Indian Coast Guard OPVs, the 3D hull structural model and outfitting model is also being developed in AVEVA Marine.

The company has upgraded its in house capability for analysis and verification of ship designs, by procuring software for Finite Element Analysis, Computational Fluid Dynamics (CFD) and Shock Analysis.

During the year 2016-17, the 3<sup>rd</sup> and 4<sup>th</sup> of Coast Guard OPVs were delivered, the sea trials of which revalidated over 10% improvement in fuel efficiency. The first of the class fast Patrol Vessel to Mauritius Police Force, CGS Victory, was also delivered during this period. This vessel recorded a trial speed of 37 knots, against designed speed of 35 knots.

#### 4.6 Mega and Major Projects under Implementation

Infrastructure and Project Monitoring Division (IPMD) of Ministry of Statistics and Programme Implementation (MoSPI) is mandated to monitor Central Sector Infrastructure projects costing ₹150 crore and above being implemented mostly by Central PSUs through Online Computerised Monitoring

##### A. Bhavini Limited

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
PROTOTYPE FAST BREEDER REACTOR (BHAVINI, 500 M WE)	09/2003	09/2010	10/2017	3492.00	6000.00	-

System (OCMS). Based on the information provided by Project Implementation agencies MoSPI brings out analytical Flash Report on monthly basis. It also publishes Project Implementation Status Report of central sector projects costing ₹150 crore and above. Since MoSPI is monitoring the projects, the chapter has been contributed by the Ministry based on 382<sup>nd</sup> Flash Report for the month of August, 2017.

As on 31.08.2017, there were altogether 1272 projects under implementation in the central sector, out of which 379 projects were Mega projects (each costing ₹1,000 crore and above) and 606 were Major projects (each costing between ₹500 crore and ₹1000 crore). The total anticipated cost of these 1272 projects is ₹17,71,039.29 crore and the total expenditure incurred on them till 31.08.2016 stands at ₹ 6,89,034.34 crore, which is 38.91% of the total anticipated cost of these projects.

Sector wise status of Mega and Major projects of CPSEs based on 382<sup>nd</sup> Flash Report for the month of August 2017 published by Ministry of Statistics and Programme Implementation (MoSPI), is summarized in the paragraphs below.

##### 4.6.1 Atomic Energy

The total original cost of the 4 projects in the Atomic energy sector is ₹40,442.00 crore and the anticipated completion cost at ₹ 52,241.00 crore, indicating a cost overrun of 29.18%. The expenditure incurred on these projects till August, 2017 is ₹ 46,316.55 crore, which is 114.53% of the original cost. These projects belong to the Bhavini Limited and Nuclear Power Corporation of India Limited. Details of projects as under:-

## B. Nuclear Power Corporation of India Limited (NPCIL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
KAKRAPAR ATOMIC POWER PROJECT - 3 AND 4	10/2009	12/2015	11/2019	11459.00	11459.00	81.00
KUDANKULAM APP (NPCIL)	12/2001	12/2008	03/2017	13171.00	22462.00	100
RAJASTHAN ATOMIC POWER PROJECT -7 AND 8 (2X700 MW)	10/2009	12/2016	12/2020	12320.00	12320.00	67.00

### 4.6.2 Civil Aviation

The total original cost of 3 projects in the Civil Aviation sector costing ₹ 150 crore and above stood at ₹ 959.68 crore and the anticipated completion cost at ₹ 1,312.86 crore, indicating a cost overrun of 36.80%.

The expenditure of these projects till August 2017 is ₹ 814.48 crore which is 84.87% of the original cost.

These projects belong to the Airport Authority of India Limited. Details of the projects costing above ₹ 150 crore are as under:

### Airport Authority of India Limited (AAI)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
Construction Of New Airport At Pakyong(Sikkim) Airport	01/2009	01/2011	09/2017	309.46	553.53	0.00
Construction Of New Integrated Terminal Building At Vsi Airport, Portblair	10/2013	09/2018	06/2020	314.61	441.33	0.00
Construction Of New International Terminal Building(Goa)	05/2010	05/2012	-	335.61	318.00	100.00

### 4.6.3 Coal

The total original cost of implementation of the 92 projects (costing ₹ 150 crore and above) stood at ₹ 88,124.99 crore and the anticipated completion cost at ₹88,310.36 crore, which is 0.21% more than the original cost. The expenditure incurred on these projects till August 2017 is ₹ 21,040.79 crore which is 23.88% of original cost.

These projects belong to the Bharat Coking Coal Limited, Eastern Coal Fields Limited, Mahanadi Coal Fields Limited, Neyveli Lignite Corporation, Central Coal Fields Limited, Eastern Coal Fields Limited, Singareni Colliers Company Limited Northern Coal Fields Limited, Western Coal Fields Limited and South-Eastern Coal Fields Limited etc.

Details of projects costing more than ₹ 1000 crore are given as under:

### A. Bharat Coking Coal Limited (BCCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
MOONIDIH XV SEAM UG	08/2011	04/2015	04/2019	1230.27	1230.27	14.34

## B. Eastern Coal Fields Limited(ECL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
SONEPUR BAZARI (COMB) OCP (8.0 MTY)	08/2012	03/2018	09/2018	1055.05	1055.05	76.00

## C. Mahanadi Coal Fields Limited (MCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
GARJANBAHAL OCP	11/2014	03/2021	03/2021	1375.38	1375.38	36.00
SIARMAL OCP (40.00MTY)	05/2014	03/2026	03/2026	3756.36	3756.36	40.00

## D. Northern Coal Fields Limited (NCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
AMLOHRI EPR (NCL) (6 MTY , I NCR.)	12/2009	03/2016	03/2016	1352.04	1143.54	-
KHADIA EXPANSION OPENCAST PROJECT(4 TO 10 MTPA,6MTPA INCREMENTAL)	06/2011	03/2018	03/2018	1131.28	1131.28	-

## E. Neyveli Lignite Corporation (NLC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
NEYVELI NEW THERMAL POWER PROJECT(2X500 MW)	06/2011	12/2015	04/2018	5907.11	5907.11	73.62
EXTENSION OF MINE -1(LEASE AREA) AND MINE-1A (3.0 TO 7.0 MTPA)	04/2013	06/2015	09/2019	1458.17	709.06	49.30

## F. South-Eastern Coal Fields Limited (SECL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
MADAN NAGAR OPEN CAST PROJECT	10/2015	03/2024	03/2014	1875.32	1875.32	5.00
RAMPUR BATURA OCP (4.0 MTY)	08/2015	03/2023	03/2023	1186.64	1186.64	20.00
KUSMUNDA EXPN. OCP(SECL)(15-50)M TY	08/2013	03/2023	03/2023	7612.33	7612.33	40.00
PELMA OCP (15.00M TY)	11/2014	03/2023	03/2023	1624.59	1624.59	-



#### 4.6.4 Steel

There were 34 projects in the Steel sector costing ₹ 150 crore and above under implementation

by Bokaro Steel Plant, IISC, HSCL, NMDC, RINL and SAIL as on 31.8.2017. The total original cost of implementation of these projects stood at ₹57,349.49 crore and the anticipated completion cost at Rs.

##### A. Steel Authority of India (SAIL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
Expansion Of Bhilai Steel Plant	08/2010	03/2013	10/2017	17265.00	17265.00	-
Expansion Of Gua Ore Mines With Beneficent Facilities And Installation Of Pallet Plant	02/2014	09/2017	09/2017	4749.00	4749.00	-
Installation Of New Hot Strip Millatrsp	04/2015	04/2018	02/2019	3127.30	3127.30	-
Mordernisation Of Steel Melting Shop No. 1 At Bokarro Steel Plant	05/2015	12/2017	05/2018	1154.18	1154.18	-
New Sinter Plant At Bokaro Steel Plant	03/2015	10/2017	07/2018	1034.01	1034.01	-

##### B. Hindustan Steel works Construction Limited HSCL,

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
Construction Of Medical College And Hospital At Gulbarga	05/2005	02/2014	-	768.88	1113.34	-

#### 4.6.5 Petroleum (Refinery & Marketing)

There were 108 projects in the Petroleum sector costing ₹ 150 crore and above being implemented by BPCL, GAIL, HPCL, IOCL, CPCL, ISPRL, NRL, ONGC and OIL as on 31.8.2017. The total original cost of these projects stood at ₹ 2,08,215.16 crore and the anticipated completion cost is ₹2,09,608.54

crore which is 0.67% more than the original cost. The expenditure incurred on these projects till August 2017 is ₹67,811.31 crore which is 32.57% of the original cost.

The details of the 29 projects costing above ₹1,000 crore are given as under:

##### A. Gas Authority of India Limited (GAIL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
Kochi-Kootanad Bangalore Mangalore Pipeline Project	06/2009	12/2012	02/2019	2915.00	2915.00	-
Phuplur Halda Pipeline Project Phase-1	07/2009	01/2013	12/2018	3957.00	3397.00	59.26

##### B. Indian Strategic Petroleum Reserves Limited (ISPRL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
Strategic Crude Oil Storage Project At Padur	01/2006	01/2012	-	993.00	1693.00	-

### C. Numaligarh Refinery Limited (NRL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
DIESEL HYDROREACTOR	07/2015	01/2018	01/2018	1031.37	1031.37	-

### D. Chennai Petro Corporation Limited (CPCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
RESID UPGRADATION PROJECT	03/2013	11/2015	10/2017	3110.36	3110.36	96.60

### E. Oil & Natural Gas Corporation Limited (ONGC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
DAMAN DEVELOPMENT PROJECT	08/2014	05/2019	10/2019	6086.08	5479.75	56.93
MUMBAI HIGH SOUTH (MHS) REDEVELOPMENT PHASE-III	11/2014	04/2019	03/2019	6068.80	5296.93	80.82
MH NORTH REDEVELOPMENT PHASE III	06/2014	05/2017	05/2018	5706.47	5813.25	-
ENHANCED RECOVERY FROM BASSEIN FIELD THROUGH INTEGRATED DEVELOPMENT OF MUKTA, BASSEIN AND PANNA FORM	01/2015	12/2017	03/2019	4619.94	3961.54	80.63
INTEGRATED DEVELOPMENT OF VASHISTA AND S-1 FIELDS	05/2013	04/2016	12/2017	4124.35	5637.00	90.06
LIFE EXTENSION OF WALL PLATFORMS OF MUMBAI HIGH AND HEERA FIELDS	12/2015	04/2018	04/2018	3190.69	3247.19	31.06
NEELAM REDEVELOPMENT PLAN FOR EXPLOITATION OF BASSEIN AND MUKTA P AY	08/2015	03/2019	05/2020	2818.88	2818.88	13.89
INTEGRATED DEVELOPMENT OF B-127 FIELDS	12/2011	03/2015	03/2018	2059.63	2665.65	65.29
DEVELOPMENT OF C-26 CLUSTER FIELDS	03/2012	05/2014	05/2018	2592.17	2592.17	83.08
ASSAM RENEWAL PROJECT FOR GROUP A	03/2009	03/2013	09/2018	2465.15	2378.89	94.48

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
PIPELINE REPLACEMENT PROJECT -4	02/2015	05/2017	05/2018	2899.93	2098.43	66.14
GAMJI REDEVELOPMENT PROJECT	05/2015	11/2019	12/2018	1671.22	567.22	51.59
CONVERSION OF RIG SAGAR SAMRAT TO MOBILE OFFSHORE PRODUCTION UNIT(MOPS)	03/2011	05/2013	12/2017	861.79	1256.72	94.69

#### F. Indian Oil Corporation Limited (IOCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
Augmentation Of Paradip-Haldia-Durgapur Lpg Pipeline And Its Extension Upto Patna And Muzaffarpur	01/2015	12/2020	12/2020	1823.00	1823.00	21.05
De-Bottlenecking Of Sipl	12/2009	03/2017	-	1584.00	1584.00	-
Distillate Yield Improvement Project (Coker) At Haldia Refinery	03/2014	09/2017	06/2018	3076.00	4190.00	78.90
Paradip Hyderabad Pipeline	01/2015	12/2020	08/2020	2321.00	2321.00	24.62
Paradip-Raipur- Ranchi Pipeline	08/2009	12/2016	-	1793.00	1793.00	-
Polypropylene Plant At Paradip Refinery	03/2014	09/2017	12/2018	3150.00	3150.00	67.80

#### G. Oil India Limited (OIL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
Upgradation Of Crude Oil Pump Stations Of Naharkatiya-Barauni Crude Oil Trunk Pipeline	09/2012	03/2015	-	871.35	1200.00	99.90

## H. Bharat Petroleum Corporation Limited (BPCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
Integrated Refinery Expansion Project	03/2012	03/2017	-	16504.00	16504.00	100
Installation Of Diesel Hydro Treatment Unit (Dht) And Associated Facilities	05/2015	06/2017	-	1714.00	1417.00	100

### 4.6.6 Power

127 projects of NHPC, NTPC, NEEPCO, CVPPPL, DVC, PGCIL, SJVNL and THDC costing ₹ 150 crore and above were under implementation as on 31.8.2017 whose total original cost of implementation stood at ₹3,44,032.76 crore. The anticipated completion cost

is ₹3,97,114.95 crore which is 15.43% more than the original cost. The expenditure incurred on these projects till August 2017 is ₹2,30,735.18 crore which is 67.07% of the original cost.

The details of the projects costing above ₹1,000 crore are given as under:

#### A. North Eastern Electric Power Corporation Limited (NEEPCO)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹Crs)	COST Anticipated (₹Crs)	Physical Progress (%)
KAMENG HYDROELECTRIC PROJECT (NEEPCO)	12/2004	12/2009	03/2018	2496.90	6179.96	94.00
PARE HYDRO ELECTRIC PROJECT	12/2008	08/2013	03/2018	573.99	1337.00	94.00
TUIRIAL HYFDRO ELECTRIC PROJECT	07/1998	07/2006	11/2017	368.72	1329.43	95.00
TRIPURA GAS BASED POWER PROJECT	07/2009	07/2013	01/2016	421.01	1078.31	-

#### B. National Hydro-Electric Power Corporation (NHPC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
KISHANGANGA HEP (3X110 MW)	01/2009	01/2016	02/2018	3642.04	5882.01	-
PARBATI HEP (4X200 MW) (NHPC) II	09/2002	09/2009	12/2018	3919.59	8398.76	-
SUBANSIRI LOWER H.E.P (8X250 MW) (NHPC)	09/2003	09/2010	N.A.	6285.33	17435.15	-

### C. National Thermal Power Corporation (NTPC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
KUDGI STPP STAGE 1	01/2012	01/2017	11/2017	15166.19	15166.19	-
BARH STPP(3X660MW) NTPC	02/2005	01/2011	03/2019	8692.97	15095.67	-
NORTH KARANPURA STPP (3X660 MW)	02/2014	02/2019	02/2021	14366.58	14366.58	-
NPGCPL- NABINAGAR STPP - JV (3X660 MW)	01/2013	01/2018	08/2018	12964.60	12964.60	-
DARLIPALLI STPP STAGE-I (2X800 MW)	02/2014	08/2018	08/2018	12532.44	12532.44	-
LARA SUPER THERMAL POWER PROJECT STAGE-I (2 X 800 MW)	12/2012	06/2017	04/2018	11846.00	11846.00	-
GADARWARA SUPER THERMAL POWER PROJECT STAGE-I	03/2013	09/2017	03/2018	11638.55	11638.55	-
KHARGONE STPP STAGE I (1320 MW)	03/2015	09/2019	09/2019	9870.51	9870.51	-
MUNPL-MEJA TPP - JV (2X660 MW)	04/2012	12/2016	03/2018	9750.89	9750.89	-
SOLAPUR STPP	03/2012	11/2016	04/2018	9395.18	9395.18	-
TANDA TPP STAGE-II (2X660 MW)	09/2014	03/2019	03/2019	9188.98	9188.98	-
MOUDA STPP STAGE 2	03/2012	09/2016	03/2017	7921.47	7921.47	-
BONGAIGAON THERMAL POWER PR OJECT	01/2008	09/2011	12/2017	4375.35	6749.18	-
BRBCL-NABINAGAR TPP- JV (4X250 MW)	01/2007	05/2014	03/2018	5353.00	5353.00	-
KBUNL- MUZAFFARPUR TPP STAGE-II- SUBSIDIARY (2X195 M W)	03/2010	01/2013	-	3984.03	3984.03	-



Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
TAPOVAN-VISHNUGAD HEP (4X 130MW)	11/2006	03/2013	06/2019	2978.48	3846.30	-
FGUTPP, UNCHAHAHAR STAGE-IV (1X500 MW)	07/2013	12/2016	12/2016	3363.12	3363.12	-
LATA-TAPOVAN HYDRO ELECTRIC POWER PROJECT 3X57 MW	07/2012	08/2017	08/2017	1527.00	1527.00	-
RAMMAM-III HEPP (3X40 MW)	09/2014	09/2019	09/2019	1381.84	1381.84	-

#### D. Power Grid Corporation Limited (PGCI)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
NORTH- EAST NORTH WESTERN INTERCONNECTOR I PROJECT	02/2009	08/2013	12/2017	11130.19	13762.80	92.00
WR-NR HVDC INTERCONNECTOR FOR IPP PROJECTS IN CHHATTISGARH	03/2012	06/2015	09/2017	9569.76	9291.03	99.00
INTER-REGIONAL SYSTEM STRENGTHENING SCHEME IN WR AND NR (PART-B)	12/2014	04/2018	04/2018	6517.36	6517.36	65.00
TRANSMISSION SYSTEM STRENGTHENING IN WR-NR TRANSMISSION CORRIDOR FOR IPPTS IN CHHATTISGARH	06/2014	03/2018	03/2018	5151.37	5151.37	40.00
TR. SYSTEM ASSOCIATED WITH MUNDRA ULTRA MEGA POWER PROJECT	10/2008	10/2012	02/2018	4824.12	5071.94	92.00
TRANSMISSION SYSTEM FOR DEVELOPMENT OF POOLING STN. IN NR PART OF WEST BENGAL AND TRANSFER OF POWER	04/2010	01/2015	03/2018	4404.57	5135.01	93.00
GREEN ENERGY CORRIDORS INTER-STATE TRANSMISSION SCHEME -PART B	04/2015	04/2018	04/2018	3705.61	3705.61	65.00
TRANSMISSION SYSTEM ASSOCIATED WITH PALLATANA GBPP and BPTS.	02/2010	12/2012	02/2018	2144.00	2932.88	90.00

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
COMMON SYS. ASSOCIATED WITH EAST COAST ENERGY PVT LTD AND NCC POWER PROJECTS LTD LTOA GEN PART- B	03/2013	12/2015	03/2018	2514.88	2514.88	78.00
GREEN ENERGY CORRIDORS: INTER-STATE TRANSMISSION SCHEME (ISTS) - PART C	07/2015	07/2018	07/2018	2247.37	2247.37	27.00
SYSTEM STRENGTHENING IN NORTH/WEST PART OF WR FOR IPP PROJECTS IN CHATTISGARH	12/2011	08/2014	12/2017	1746.65	2228.71	88.00
KUNADANKULAM APP TRANS SYSTEM (PGCIL)	05/2005	11/2008	09/2018	1779.29	2187.32	91.00
TRANSMISSION SYSTEM STRENGTHENING IN WESTERN PART OF WR FOR IPPS GENERATION PROJECTS IN CHATTISGARH	11/2011	07/2014	09/2017	2127.51	2619.56	99.00
COMMON SYSTEM ASSOCIATED WITH COASTAL ENERGEN PRIVATE LIMITED AND IND-BARATH POWER(MADRAS) LIMITED L	09/2011	09/2014	09/2016	1940.13	2702.65	97.00
COMMON SYSTEM ASSOCIATED WITH EAST COAST ENERGY PVT. LTD. AND NCC POWER PROJECTS LTD. LTOA GENERATION Part-B	03/2013	12/2015	03/2018	2514.88	2514.88	78.00
EASTERN REGION STRENGTHENING SCHEME-III	07/2010	11/2012	12/2017	1272.80	1731.10	92.00
TRANSMISSION SYSTEM FOR TRANSFER OF POWER FROM GEN.PROJ IN SIKKIM TO NR/WR PART-B	03/2011	11/2013	03/2016	1585.12	1585.12	-
GREEN ENERGY CORRIDORS INTER-STATE TRANSMISSION SCHEME (ISTS) - PART A	04/2015	04/2017	03/2018	1479.30	1479.30	58.00
SYSTEM STRENGTHENING XXIV IN SOUTHERN REGION	01/2016	07/2018	07/2018	1455.47	1455.47	35.00
CREATION OF 400/220 KV SUBSTATIONS IN NCT OF DELHI DURING 12TH PLAN PERIOD (PART-A)	03/2015	05/2017	06/2019	1394.52	1394.52	-
EASTERN REGION STRENGTHENING SCHEME-V	10/2013	04/2016	03/2018	1364.52	1891.41	80.00
INSTALLATION OF STATCOMS IN WESTERN REGION	03/2015	09/2017	04/2018	1071.24	1071.24	68.00

### E. Tehri Hydro Development Corporation Limited (THDC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
TEHRI PUMPED STORAGE PLANT(1000MW)	07/2006	02/2016	12/2020	1657.00	3939.11	59.00
VISHNUGAD PIPALKOTI HYDRO ELECTRIC PROJECT	08/2008	06/2013	11/2020	2491.58	2491.58	49.22

### F. Chennab Valley Power Project [P] Limited (CVPPPL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
PAKAL DUL HYDRO ELECTRIC PROJECT, (1000 MW)	10/2014	04/2020	05/2023	8112.12	8112.12	-

### G. Damodar Valley Corporation (DVC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
RAGHUNATHPUR THERMAL POWER STATION PHASE-I	04/2007	02/2011	03/2016	4122.00	9142.58	-
BOKARO THERMAL POWER STATION -A	08/2006	12/2011	02/2017	2313.00	4366.64	-

#### 4.6.7 Railways

There were 353 projects in the Railways sector costing ₹ 150 crore and above under implementation as on 31.8.2017. The total original cost of implementation of these projects stood at ₹ 3,54,063.17 crore and the anticipated completion cost at ₹ 4,46,938.49 crore which is 26.23% more than the original cost. The

expenditure incurred on these projects till August 2017 is ₹ 1,16,071.08 crore which is 32.78% of the original cost.

The details of 7 projects costing ₹ 1000 crore and above are given as under.

### Rail Vikas Nigam Ltd. (RVNL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
NEW WORK FOR CONSTRUCTION OF METRO RAILWAY FROM BARANAGAR TO BARRACKPORE AND DAKSHINESHWAR (MTP)	04/2010	03/2014	N.A	2298.42	1655.68	-
NEW WORK FOR CONSTRUCTION OF METRO RAILWAY FROM JOKA TO BINOY BADAL DINESH BAGH.	04/2010	03/2016	12/2018	2913.51	2619.00	-

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
NEW WORK FOR CONSTRUCTION OF METRO RAILWAY FROM NOAPARA-BARASAI VIA BIMANBANDER (MTP)	04/2010	03/2016	-	2397.72	2397.72	-
NEW WORK FOR CONSTRUCTION OF METRO RAILWAY FROM NSCB AIRPORT TO NEW GARIA VIA RAJARHAT (MTP)	04/2010	03/2016	12/2020	3951.98	3161.58	-
VIJAYWADA-GUDUGOLANU-BHIMAVARAM-NARSAPUR DL (221 KM)	03/2012	N.A.	03.2020	1503.71	1503.71	-
SUKINDA ROAD-ANGUL (NL) (ECOR)	04/1998	02/2015	12/2019	183.23	1202.70	-
HARIDASPUR- PARADEEP (NL)	04/1996	09/2009	03/2019	301.64	1185.64	-

#### 4.6.8 Telecommunication

There were 3 projects in the Telecommunication sector under implementation as on 31.8.2017. The total original cost of implementation of the projects stood at ₹15,863.43 crore and the anticipated completion

cost is ₹ 15,763.43crore. The expenditure in these projects till August 2017 is ₹ 253.9 crore which is 1.60% of the original cost.

The details of 2 projects costing ₹ 1,000crore and above are as under:

#### A. Department of Telecommunication (DoT)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
NETWORK FOR SPECTRUM	03/2012	07/2015	09/2017	13334.00	13334.00	-

#### B. Indian Telephone Industries Limited (ITI)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
NETWORK FOR SPECTRUM(NFS) OFC LAYING PROJECT PACKAGE F AND G APART OF INTELLIGENT FIBER OPTIC L	09/2014	09/2014	-	2111.17	2011.17	-

#### 4.6.9 Urban Development

There were 36 projects in the Urban Development sector costing ₹ 150 crore and above under implementation as on 31.8.2017. The total original cost of implementation of these projects stood at ₹ 1,45,945.23 crore and the anticipated completion cost is ₹ 1,57,932.60 crore which is 8.21% higher than the original cost.

The expenditure on these projects till August 2017 is ₹71,466.44 crore which is 48.97% of the original cost.

The details of projects pertaining to BMRCL, KMRCL, CMRL, CPWD, DMRCL, MMRCL, MRTP, MBCL and NMRCL for more than ₹ 1,000 crore are as under

### A. Kochi Metro Rail Corporation Limited (KMRCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
KOCHI METRO RAIL PROJECT	07/2012	07/2017	12/2019	5181.79	5181.79	-

### B. Bangalore Metro Rail Corporation (BMRCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
BANGALORE METRO RAIL PROJECT PHASE-2	02/2014	02/2019	03/2020	26405.14	26405.14	-

### C. Chennai Metro Rail Corporation Limited (CMRL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
CHENNAI METRO RAIL LTD (PHASE 1)	02/2009	12/2015	12/2017	14600.00	19058.00	91.50

### D. Delhi Metro Rail Corporation (DMRCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
DELHI MRTS PHASE-III	09/2011	03/2016	12/2016	38585.00	38585.00	86.38

### E. Mumbai Metro Rail Corporation Limited (MMRCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
MUMBAI METRO LINE 3 (COLABA-BANDRA-SEEPZ)	07/2013	01/2015	12/2015	23136.00	23136.00	-

### F. Metropolitan Rapid Transport Project (MRTP)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
BANGALORE METRO RAIL PROJECT	05/2006	06/2011	04/2017	6395.00	13845.01	-



## G. National Building Construction Corporation (NBCC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
REDEVELOPMENT OF EAST KIDWAI NAGAR	06/2012	11/2019	11/2019	4264.00	4118.00	-

## H. Nagpur Metro Rail Corporation Limited (NMRCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
NAGPUR METRO RAIL	08/2014	03/2018	12/2019	8680.00	8680.00	-

## I. Central Public Work Department (CPWD)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
ESTABLISHMENT OF CENTRAL ARMED POLICE FORCE INSTITUTE OF MEDICAL SCIENCES (CAPFIMS) AT NEW DELHI	10/2013	10/2019	03/2020	1219.21	1219.21	-

### 4.7 Energy Conservation in CPSEs

The details of some of the steps taken by the CPSEs towards energy conservation during the year 2016-17 are brought out as under:

#### 4.7.1 Artificial Limbs Mfg. Corpn. Of India

- The Company has initiated the action of installing roof top solar power plant as an additional energy proposed to be used for the plant.
- It is also initiating the process of installing solar energy for street light & also for its office building in second phase.

#### 4.7.2 Balmer Lawrie & Company Limited

- The company is continuously monitoring energy consumption per unit of production at various manufacturing plants and took action towards conservation of energy in view of rising cost of energy and keeping with company's commitment to be an energy efficient entity.

- During the year, Company has installed 200 KWp solar power plant in the manali complex Chennai and another 100 KWp Solar power plant at SBU:IP asaoti.
- Company has achieved significant power savings by utilizing natural day light inside the plant providing transparent roof top sheet at its plant in Silvassa. Other energy conservation initiatives include replacement of bulbs and tube lights with LED lights, installation of Variable Frequency Drives, installation of accumulation conveyor at lacquer line, synchronization of conveyors for reduction of idle running time in various plants and offices.
- SBU:LC conducted energy audit and implemented the audit recommendations to improve energy utilization of the plant. Measures taken to improve energy efficiency include installation of high efficiency motors, VFDs, energy efficient lights and Air.

#### 4.7.3 BEML LTD.

- Company continues to give emphasis on conservation of energy. The efficiency of energy utilization is closely monitored to attain higher level of energy conservation.
- Company has installed and commissioned 200 kWp grid connected roof top solar project at Mysuru Complex to support the green energy mission to make the country the green energy capital.
- During the year Company, Installed LED light fittings by replacing conventional MHL lights, Used lower rating 20HP Air compressors for PBB painting application during 2nd & 3rd shifts in place of Main 215 HP and Air compressor Conversion of 400Watts Street light fitting to 250 Watts HPMV lamp fitting.

#### 4.7.4 Bharat Coking Coal Ltd.

- BCCL has started replacing all old lightening area

with LED and CFL light fittings in all official premises except mining areas. Emphasis has been put to initiate the usage of LED lamp fittings for offices and township areas.

- During the year, 1700 Nos. of LED Tubelight was procured for replacement of Conventional Light Fittings by LED Tubelights in phase Manner, approximately 1000 Nos. of LED Based Light/Light fittings was procured and replaced the conventional lights in various Areas of BCCL and Proposal for Procurement of LED Light Fitting of 180 W, 110 W, 36W, 9W LED Bulb and 18W LED Tubelight is under the process of Tendering.
- Action taken towards improvement of power factor.
- Impact of measures taken for energy conservation

Name of CPSE	Consumption of Energy (₹ Crore)		Energy cost as percentage of cost of production		Consumption of energy per unit of production	
	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16
Bharat Coking Coal Limited	447.21	467.76	6.33	6.89	24.13 KWH/Te of Coal	25.75 KWH/Te of Coal

#### 4.7.5 Bharat Dynamics Ltd.

- Installation of 5 MW Grid connected Solar power at BDL Bhanur is under progress. The generated solar power will be connected to Telangana State electrical power grid at Nandigama Sub-station.
- During the year, Company board has also approved installation of 5MW grid connected plat at Ibrahimpatnam unit and its commencement process would commence shortly.

#### 4.7.6 Bharat Electronics Ltd.

- Windenergypowerplant of 8.4MW commissioned during the year at Davanagere, Karnataka state for captive consumption. Expected wheeling of electrical energy about 170 lakh units per annum from the plant.
- Grid connect roof top solar PV power plant of 1030 KWP capacity installed across various Units

of BEL. Expected generation of electrical energy about ₹ 14.75 lakhs units per annum from the plant.

- Energy efficient motors for pumps, blowers with variable frequency drives for motors and centrifugal fans of cooling towers. .Automation of HVAC facilities to optimize energy consumption of air conditioning areas.
- Improvement in operational efficiency of HVAC facilities and scheduling based on the ambient conditions to optimize energy consumption of air conditioning areas.
- Installation of energy efficient screw chillers in AC plants for meeting variable cooling load demand.
- Retrofitting of 6,000 nos. of conventional fittings with LED lights and installation of LED Street lighting, Area lighting for energy saving.

- Usage of inverter technology based energy efficient split air conditioners and 5 star rated packaged units and cold storage units.
- Life Cycle Cost based evaluation for procurement of distribution transformers and electrical equipment for improved energy efficiency levels.
- Energy audit of chilled water, compressed air and water distribution system and arresting leakages by periodic monitoring.
- DALI based Lighting Management System with occupancy based lighting controls and daylight harvesting at new buildings.
- Capital investments on energy conservation equipments made during the year for implementing the measures was around ₹ 223 Lakhs.

#### 4.7.7 Bharat Heavy Electricals Ltd.

- Implementation of Energy Management System (ISO 50001: 2011) enables the organization to establish the systems & processes necessary to improve energy performance, including energy efficiency, use and consumption. Five manufacturing units (HEP-Bhopal, HEEP-Haridwar, HPBP-Trichy Unit#1, HPEP-Hyderabad, and EPD-Bengaluru) were certified with ISO 50001:2011 (Energy Management System).
- Energy Audit of manufacturing units is conducted periodically in a phased manner to identify the Opportunities for Improvements (OFIs). Energy Audit was conducted at HEEP-Haridwar and PPPU Thirumayam units in FY 2016-17.
- 64 ENCON projects were implemented across the company. These projects were related to installation of Automatic Power Factor Correction to improve Power Factor, door latching system in Furnaces, FRP/ Polycarbonate sheets on rooftop to harness natural light at shop floor, replacement of old inefficient Air conditioners with energy efficient star rated ACs etc. ENCON projects are undertaken based on the recommendations of Energy Audit.
- To bring the competitive spirit amongst manufacturing units, a Trophy for Energy Efficient Unit was instituted.

#### 4.7.8 Bridge & Roof Co. (India) Ltd.

- The company is in a constant process to save and conserve energy by adopting energy efficient measures. Growing awareness amongst employees by periodic maintenance of equipment using renewable energy sources including installation of Solar Panels at its Howrah workshop and switching off energy consuming devices not in use.
- With the success of pilot project of 4 KW Solar Power plant Company is planning to extend the Solar Power project through a grid connected Solar generation plant via Net meter increasing the generation to 26 KW which eventually will yield 75,000 Units per year.
- Detailed energy audit is being conducted by External Experts and followed by necessary corrective actions as per their recommendations.

#### 4.7.9 Braithwaite & Co Ltd.

- Installation of Electronic Welding Machines.
- Conversion of OLD EOT Cranes from DC to AC.
- Replacement of old DC Crane to new AC crane.
- Replacement of Rotary Converter Unit by AC to DC Rectifier Unit.
- Replacement of conventional Florescent Light with LED Light in Office
- Installation of new LED High Bay and LED Flood Light with separate wiring for the workshop which will be used during night shift.
- Refurbishing of all old capacitor bank to improve power factor
- Energy Audit has been carried out by engagement of external agency and steps are being implemented as proposed in the Energy Audit.
- Defective capacitor bank in Automatic Power Factor Control System has been replaced by modified unit for improvement of Power Factor.
- LED Lamps have been installed in street, shop floor to save the electrical energy.
- Optimization of usage of compressors resulting saving of electrical energy.
- An effort is being made for installation of solar power plant at Angus Works for office

illuminations, fans etc which will reduce consumption of electricity which receives from grid supply resulting saving of energy.

- For further improvement of Power factor, Automatic Power Factor Control Panel may be introduced in the low tension circuits which save the energy cost.
- Renovation/installation of Foundry equipments etc under Capital Project scheme which will save the energy cost.
- Impact of measures taken for energy conservation

Name of Company	Consumption of Energy (₹ Crore)		Energy cost as percentage of cost of production		Consumption of Energy per unit of wagon production (₹ Lacs)	
	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16
Braithwaite & Co. Ltd	7.2276	7.6789	4.1229%	5.3646%	0.8419	1.2789

#### 4.7.10 Central Coalfields Limited

- Total capacitor bank installed for the year 2016-17 is 6600 KVAR at load points for reduction in maximum demand.

- By replacing multi-level pumping into single stage pumping for direct discharge to surface.
- Replacement of conventional lights by LED Light.
- Replacement of old & Surveyed-off electrical machines by energy efficient machines by energy efficient electrical machines/appliances (Five star rating).
- Action has also been taken for installation of Solar plants on roof tops as green energy to reduce day time demand.
  1. 8 KW for Solar power plant installed on the roof top to Darbhanga House, CCL HEAD QUARTER, RANCHI & connected with Grid.
  2. 25kWp Grid connected Solar power Plant installed on the Rooftop of Central Repair Shop, Barkakana office buildings.
  3. Another 400 KW Solar Power plant is in the process of installation on the roof top of Darbhanga House, CCL HEAD QUARTER, RANCHI & connected with Grid.

- Impact of measures taken for energy conservation

Name of CPSE		Consumption of Energy (₹ Crore)		Energy Cost as percentage of cost of production		Consumption of energy per unit of production	
		2016-17	2016-17	2016-17	2015-16	2016-17	2015-16
Central Coalfields Ltd. Ranchi	Industrial Power	290.92	4.14%	5.23	5.28	4.59%	294.4
	Township Power	105.91	1.51%			1.69%	108.55
		396.83	5.65%	5.23	5.28	6.28%	402.95

#### 4.7.11 . Coal India Limited

- CMPDILHQ has undertaken energy conservation studies in 2016-17 and carried out Diesel Audit & Benchmarking of specific diesel consumption as well as Electrical Audit & Benchmarking of specific electrical energy consumption in various open cast and underground mines situated in different subsidiaries of Coal India Limited by Bureau of Energy Efficiency (BEE) accredited Energy Auditors.

- Diesel Audit and Benchmarking carried out by CMPDIL in 71 opencast mines in different subsidiary companies revealed an aggregate saving of approximately 16750 kilo litre/year in diesel consumption.
- MoU has been signed between CIL (Coal India Limited) and EESL (Energy Efficiency Services Limited) on 08.02.2016 for implementation of Energy Efficiency Projects in CIL and its Subsidiaries.



- High watt luminaries / conventional light fittings are being replaced with low power consuming LEDs (of appropriate wattage) in majority of the places for street lighting, Office and other work places, townships etc., thereby creating huge saving potential in electricity consumption. Around 64000 LED Lights have been fitted (new + replacement) in CIL/Subsidiaries for better conservation of energy.
- Air Conditioners (AC) and Refrigerators of 5 Star Rating are procured against replacement of old conventional ACs and refrigerators. Use of Super Energy Efficient Air Conditioners (AC) are also being explored at places having technical capability of saving energy 30% more than the 5 star-rated ACs.
- Auto timer based on-off switches in most of the street lighting / CHPs and township areas to ensure avoiding unnecessary power consumption during odd hours thereby saving in electricity consumption.
- Power factor is continuously monitored and maintained near unity.
- Usage of energy efficient inverter type welding sets instead of conventional welding sets is promoted.
- Installation of turbine ventilators at various buildings

#### 4.7.13 Eastern Coalfields Ltd.

#### 4.7.12 Cochin Shipyard Limited

- Installed 200 KW grid connected solar power plant on the roof top of Hull Shop.
- Electrification of new buildings is carried out with LED lights instead of conventional discharge lamps.
- Replaced conventional discharge lamp street lights with LED lights.
- Replacement/ new procurement of Air conditioning units are done with energy efficient inverter type ACs.
- Leakages in the compressed air distribution system and other industrial gas lines are regularly monitored and rectified.
- Switching off Main Air Compressor during lunch break.
- Switching off Main power supply to shops, quays & docks momentarily at 1215 hours to shut down coolers, roof extractors, etc. which are not required during the lunch break.
- Displayed energy saving stickers & posters, conducted seminar and quiz competition for inculcating awareness among employees for energy

- Retendering for energy Audit for the mines Nigha (Sripur Area) and Shyamsundarpur Colliery (Bankola Area) through outside agency has been approved and is in the final stage for order.
- Power factor has improved due to installation of Capacitor Banks at different areas/units.
- Units are installing solar Power System to meet the Power Requirement of Office (mainly fan, light and computers) and somewhere for street lighting.
- Sodepur and Bankola have separately commissioned 5 KWP and 30 KWP Solar PV System at office respectively.
- ECL has also installed 50 numbers of Solar PV Panel with Lamp Set for street lighting at CH Kalla, Borachak House, ECL HQ, Seetalpur Guest House and Sanctoria Hospital.

#### 4.7.14 GAIL (India) Ltd.

- Modification in the existing power system at 06 Nos. pipeline installations in Mumbai region has been done for utilization of Grid power instead of TEGs (Thermo Electric Generation) for power requirement. The existing captive power generation through TEGs had stopped resulting in significant Fuel Gas saving.
- Existing air conditioners have been replaced at across various installations of GAIL viz. 12 numbers in NCR region, 30 numbers at RT Cherlapalli - VSPL, 18 numbers in Tripura region and 03 numbers in Assam with Energy Efficient 5 star BEE (Bureau of Energy Efficiency) ratings for low energy consumption
- Convectional lightning systems; T-5 tube-light/T8 tube lights/ FTL/MLL/HPSV; have been replaced with LEDs having lower energy



consumption across various installations of GAIL viz. 2640 no. T8 tube lights at GAIL Pata, 86 nos. of T5 tube-lights at Jamnagar, 08 nos. of FTL (Fluorescent tube light lamps) and 02 nos. of MLL (Mixed light lamps) at Kandla, 150 nos. of FTL at Abu Road, conventional tubelights at Mansarampura & Loni in JLPL and at 37 installation under Mumbai region, 25 nos. of

- HPSV (High Pressure Sodium Vapour) Lamps at gas terminals (NEEPCO, ROKHIA, Konaban GCS, Konaban Tapoff, Dome, Anand Nagar, Maharajanj) in Agartala region.
- Motion sensors have been installed at Mansarampura to switch-off AC power in rooms to avoid wastage of energy.
- CCTVs cameras have been installed at all NCR

pipeline installations for surveillance which has replaced the earlier practice of surveillance through visiting at site physically. As a result, it has resulted in reduction of vehicle movement which in turn reduced the fuel consumption with significant reduction in carbon emission.

- The company has installed Solar Power Plants at various locations. Solar power plants of 10 KWh each at 03 SV stations (Deepakheri, Karanpur, & Saifurpulla) under NCR region, 7.5 KWh solar power systems each at SV 61 & 62 stations under Loni Region, JLPL and Roof Top Solar power plant of 200KWh at TOT-G.Konduru, VSPL have been installed and commissioned.
- Impact of measures taken for energy conservation

Name of CPSE	Consumption of Energy (₹ Crore)		Energy cost as percentage of cost of production (%)	
	2016-17	2015-16	2016-17	2015-16
GAIL	1899	2014	30.95	34.47

#### 4.7.15 Goa Shipyard Ltd.

- Conducted energy audit.
- Use of LED lighting for lighting onboard ships under construction.
- Replacement of 70 W HPSV periphery light with 30 W LED light and Installation of occupancy sensors.
- Directed the subcontractors for use of energy efficient inverter type welding machines.
- Observation of Energy conservation week wherein various training programs on Energy conservation, Energy efficiency and Renewable energy were conducted.
- Display of various Energy saving banners, posters and stickers in the yard for spreading awareness on energy conservation.

#### 4.7.16 HAL

- Solar power plants, 3.5MW in Bangalore and 75KW roof top power plant in Nasik have been installed.
- Initiative taken to replace the existing electrical fittings across the company/township with LED fittings. Around 15% of the replacement has been completed.
- Green building norms have been adopted in all new buildings being constructed. Accordingly, new Hindustan Management Academy building at Bangalore is GRIHA 3 compliant.
- Impact of measures taken for energy conservation

Name of CPSE	Consumption of Energy (₹ Crore)		Energy Cost as percentage of cost of production		Consumption of energy per unit of production (₹ Lakhs)	
	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16
HAL	172.01	171.49	1.12%	1.13%	20.45	20.69

#### 4.7.17 Heavy Engineering Corpn. Ltd.

- Reduction in maximum Demand of Power by proper load planning.

- Switching off Idle transformers of different sub stations during day time.

- Maintaining Average Power Factor as high as possible by continuous monitoring of Automatic Power Factor Control (APFC) Panels.
- Replacement of MG Sets by Static Transformers and Rectifiers.
- Use of ceramic lining in Furnaces and by installing programmable controller in electric pit furnace.
- Replacement of centralized compressor unit with decentralized Air Compressor at the load centres.
- Intermittent switching off of Centralized compressor according to requirement of load.
- Provision of Transparent Sheets at roof tops of production shops so as to utilize sunlight for illumination.
- Counseling employees for energy conservation consciousness and various measures.
- Impact of measures taken for energy conservation

Name of the CPSE	Type of Energy	Consumption of Energy (₹ Crore)		Energy Cost as % of Cost of Production		Consumption of Energy per unit of Production	
		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
Heavy Engineering Corporation Ltd., Ranchi	Electricity	23.32	23.54	4.0%	4.9%	6.8%	6.5%
	Coal	19.01	8.37	3.2%	1.8%	5.6%	2.3%
	Diesel (HSD)	3.24	1.91	0.6%	0.4%	0.9%	0.5%
	LPG	2.06	1.07	0.4%	0.2%	0.6%	0.3%

#### 4.7.18 . Hindustan Copper Limited

- 35 KWp Roof Top solar power plant installed at Administrative Building of Malanjkhand Copper Project.
- Electrical water heater was replaced by solar water heater in few places.
- High wattage conventional lights were replaced by low power consuming LED lights with expected annual power saving to the tune of more than 20 lakhs.
- 3 nos. old thyristor drive have been replaced by variable frequency drive at MCP.
- 8 nos. of Mechanical type Belt Weighers and 8 nos. of Thyristor drives (total 16 nos.) of machines have been replaced with only 8 nos. of Weigh Feeders which is a combination of both weighers and feeders introduced in ball mill feed circuit at MCP.
- 17 nos. old motors (375KW) replaced with premium class IE3 energy efficiency motors at ICC.
- Large capacity equipment are commissioned in mines for energy conservation besides high productivity.
- Scheduled replacement and preventive maintenance of equipment at Mines and Plants for efficient use of energy.

- Power factor improved and maintained near to unity.

#### 4.7.19 . Hindustan Fluorocarbons Limited

- Existing three methanol -40 Deg. C refrigeration systems will be replaced by (02 nos. ) 30TR new energy efficient screw compressors refrigeration system.
- Replacement of existing cooling tower water circulation pumps with New Energy efficient cooling water pump.
- Replacement of existing lighting system with LED lighting systems in phased manner.

#### 4.7.20 Hindustan Petroleum Corporation Limited.

##### Mumbai Refinery:

- Revamp of SEU III to improve design efficiency in SEU III furnace using Split flow technology, resulted in reduction of fuel consumption.
- Online chemical cleaning of FR-VPS/ FRE-VPS/LR VPS /SEU-II /PDA furnaces was carried out with HPGRDC chemical. Survey of excess air in furnaces and air leak survey of air header was carried out periodically and identified air leaks were rectified. Steam optimization was

carried out in LR VPS furnace.

- Feed CCR of NFCCU was increased which has resulted in increase in steam generation from waste heat thereby reducing load on conventional Boilers reaping the benefit of lower overall fuel consumption.
- Refinery has also taken up ISO-50001 Energy Management Study (EnMS) implementation. Energy policy framed for the refinery with appointment of Management representative and Asst MR along with steering & core committee was formed for implementation of EnMS. Energy Performance indicators (EnPIs) for Mumbai Refinery were identified as well.
- As a part of PAT cycle. Mandatory Energy Audit is being carried out by M/s PCRA. Data was collected for the various utilities and the process unit motors for the Mandatory Energy Audit. In addition, energy improvement study is being carried to identify areas for further reduction.

#### Visakh Refinery:

- New Flare Gas Recovery compressors were commissioned for recovery of flare gas from HC flare header and reuse as refinery fuel gas. This measure has resulted in better utilization of flare gases thereby reduction of emissions
- Online chemical cleaning of CDU furnaces was carried out periodically resulting in reduced stack temperatures and fuel savings.
- Periodic cleaning of fouled preheat exchangers in CDUs was carried out for sustaining preheat temperature.
- The lowest ever Specific Fuel Consumption of 0.336 in CPP was achieved upon maximization of GTG loads as per the characteristics of individual GTGs.
- Steam generator (5 MT/hr) for CDU-III slop cut rundown stream was installed & commissioned.
- Reduction in stripping steam consumption achieved after provision of state-of-the-art structured

packing (MODGRID) in FCCU-I reactor stripper in the place of baffles.

- Periodic steam leak survey was carried out and the identified leaks were arrested. A comprehensive steam trap management system is in place in the refinery.
- As a part of PAT cycle. Mandatory Energy Audit is being carried out by M/s PCRA. Data was collected for the various utilities and the process unit motors for the Mandatory Energy Audit. In addition, energy improvement study is being carried to identify areas for further reduction.

#### 4.7.21 Hindustan Shipyard Ltd.

- Use of APFC capacitor banks to improve the power factor thereby reducing the overall Power Consumption.
- Running of heavy loads like Air compressors are restricted to minimum by stopping during off peak hours.
- Reduction of lighting to optimum levels by using Lighting management system and BMS.
- Operation of Distribution Transformers around 70% loading by turning off during OFF peak hours.
- Switching off plant and machinery when not in use.
- Replacement of old switchgear & old PLCA cables with suitable capacity XLPE Cables & new switchgear etc.
- Replacement of old Air Conditioners with BEE certified star rated and inverter based units.
- Replacement of centralized air conditioners with VRF/VRV Air conditioning systems.
- Replacement of old lighting fixtures with LED lamps.
- Replacement of old plant and machinery with efficient system like VVVF drives and inverter based welding machines.
- Impact of measures taken for energy conservation

Name of CPSE	Consumption of Energy (₹ Crore)		Energy cost as percentage of cost of production		Consumption of energy per unit of production	
	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16
Hindustan Shipyard Limited	5.10	4.26	1.07%	1.17%	264 Kwh/CGT	300 Kwh/CGT

#### 4.7.22 HMT Ltd.

- Electronic Chokes for tube lights have been replaced.
- CFL / LED lamps have been installed at some of the offices.
- Outer peripheral lighting has been replaced with LED lighting with fixtures.
- Old Computer models have been replaced with LED Monitors for less consumption of power.
- Loading of machines pre-planned.

#### 4.7.23 ITI Limited

##### BANGALORE

- Installation of three numbers of new 1010 KVA DG at F-70 as replacement for old SKODA.
- Consolidation of production and non-production areas / hangars for efficient utilization of energy Generators at Generator Section in Bangalore Complex.
- Replacement of existing old centralized compressors with energy efficient compressors.
- Operation of Centralized A/C Plants at F-2, F-80 and F-81 on need basis.

##### MANKAPUR

- Installation of LED street lighting in factory and colony area.

- Retrofit replacement of LED tubelights in place of conventional FTL's in factory area.
- Completion of Installation of DIGITAL temper proof energy meters of township occupants .
- Close monitoring of daily power consumption of factory and colony.

##### NAINI

- Installation of LED street lighting in factory and colony area.
- Water supply to the factory and colony rationalized by optimizing running time of the pumps.
- Air Conditioning have been regulated and optimized by controlling running time.

##### PALAKKAD

- Replacing of 57 Nos. of 150W HPSV lamp in street light poles with 30 Nos. of 44W and 27 Nos. of 72W LED lamps.
- Replacing old high capacity Condenser water pumps and Cooling Tower fans with low capacity high efficient pumps and fans. (Work in Progress).
- Impact of measures taken for energy conservation

Name of CPSE	Unit	Consumption of Energy (₹ Crore)		Energy Cost as percentage of cost of production	
		2016-17	2015-16	2016-17	2015-16
ITI Limited	Bangalore	2.05	1.96	2.13	2.87
	Mankpur	1.98	2.60	0.64	0.67
	Nani	1.17	1.45	0.141	18.12
	Palakkad	1.77	1.85	5	17.8

#### 4.7.24 Indian Oil Corporation Ltd.

##### Guwahati Refinery:

- Stepless capacity control in RGC of HDT.
- Replacement of HP steam with MP steam in ISOM (NHDT) stripper.
- Stoppage of 2 CT fans post commissioning of Jet Cooling tower.

##### Barauni Refinery:

- Generation of LP steam ex Kettle type re-boiler instead of MP.
- Optimization of TPS operations- Minimization of TG-4 condensing mode during summers and maximizing TG-1 operation.
- Capacity augmentation & procurement of new CO-Boiler.

**Gujarat Refinery:**

- AU-1 Re-run routing of hot K-8 bottom to MSQ.
- DCU steam driven replacement with motor driven WGC (HP to total condensate).
- Reconfiguration of exchanger network and shifting of one set of preheat exchanger from AU-V to AU-IV for better preheat recovery and sustenance.

**Haldia Refinery:**

- Installation of APH in Boiler- 1,2& 3.
- Blow down Heat Recovery System for 3 no's HRSG & 4 no.ws Boilers.
- Study on KHDS Recompression compressor (23-K-01) capacity improvement to designed level.

**Mathura Refinery:**

- Generation of LP steam from LGO CR in AVU.
- Installation of LP steam generator (8.1 TPH) in MCB pump around circuit along with hot feed maximization to FCCU.
- Installation of Divided Wall Column in CCRU NSU.

**Digboi Refinery:**

- Rationalization of steam network in Offsites in phase wise.
- Implementation of SDU Pinch Study Recommendations (Installation of one Heat Exchanger at SDU)

**Panipat Refinery:**

- Rectification of CO Boiler bypass MOV to increase HP steam generation in FCCU.

- Scheme for installation of Thermo-compressor at PTA.
- Installation of Evaporative cooler in GT-5/4.

**Bongaigoan Refinery:**

- Conversion of existing CDU-I natural draft furnace to balanced draft furnace (Efficiency improvement from 82% to 90%).
- The Corporation has installed 2.7 MW Solar PV across various refineries. This includes 1 MW solar panel at Gujarat Refinery, 1 MW solar panel at Panipat Refinery, 0.5 MW solar PV systems at Guwahati Refinery and 0.2 MW solar PV at Bongaigaon Refinery.
- The Corporation has so far carried out 140574 nos. of LED light replacement jobs. Further, steps have been initiated for replacement of a total number of 186322 LED lights in the Refineries of the Corporation.

**4.7.25 Karnataka Antibiotics & Pharmaceuticals Ltd.**

- 150 KW roof top solar power panels installed at DPP-1 & DPP-3 area.
- VFDs installed for machines replacing conventional starters to save energy.
- Planning to put 20 Nos. LED of 75 Watts for Street light.
- 10 Nos. 28 Watts LED tube light is used at Workshop & Stores.
- Impact of measures taken for energy conservatio

Name of CPSE	Area/ Activities	Consumption of Energy (₹ Crore)		Energy Cost as % of Cost of Production		Consumption of energy per lakh of production	
		2016-17	2015-16	2016-17	2015-16	2017-16	2015-16
Karnataka Antibiotics & Pharmaceuticals Ltd.	Energy Input						
	Electricity-Purchase	3.80	3.17	0.94	0.93	124	131
	Diesel Generator	0.18	0.25	0.04	0.07		
	Furnace Oil	0.46	0.43	0.11	0.12	4.13	4.91



#### 4.7.26 Mangalore Refinery & Petrochemicals Limited.

- The company continued its emphasis on energy conservation through Process Optimization, Continuous monitoring and Implementation of several Energy Conservation modifications.
- Phase 1/2 non process plant area (buildings, street, control room, Offsites & township - total 7575 nos) lighting has been replaced with LED. Similarly, a process unit (Merox units- 250 nos) lighting has been replaced with flame proof LED lighting, on a trial basis. In the new CISF township only LED lightings (380 nos) have been installed for general lighting.
- Implementation of Diesel Pump around in Hydrocracker - 1&2 Recycle Splitter Column.
- Heat recovery from Hydrocracker-1/2 Unconverted Oil by Cold DM Water.
- Crude Distillation Unit-3 Crude Charge pump VSD installation.
- Routing of Amine Regeneration Unit-3 Flash drum off gas to incinerator for recovering heat of combustion.
- 110 nos. of Sky pipes have been installed for harvesting solar lighting inside buildings, in place of 220 nos. of existing 250W HPMV lamps in Ware houses.
- Feasibility study has been completed for roof top grid interactive PV solar power plant.

#### 4.7.27 MTNL

- Identifying the faulty Power Plant and replacing the same systematically and using the Engine Alternator to the barest minimum.
- 1 MSC (CDMA), 2 BSCs of CDMA (Vashi & Mankhurd) and one BSC of GSM (Vashi) were closed by rearrangement process. Also, the BSCs of GSM (Fountain & Prabhadevi) were deloaded by 60% through proper rearrangement. These activities resulted in substantial reduction of energy consumption.
- In RF network, free cooling was done in 10 BTS Shelters and thus saved energy consumption.
- During slack hours and areas where positions are vacant, unused cabins and training centre rooms,

the AC and lights are kept switched off. When temperature of Call centre comes down due to continuous cooling some of the AC units are kept switched off.

- Free cooling systems are deployed at BTS sites to minimize the energy requirements on account of ACs.
- Power factor is being maintained more than 0.95 for all the buildings.
- Rationalization of contract demand and sanctioned load has been done.
- Rationalization in running of air-conditioners.

#### 4.7.28 MECON Limited

- Company has taken steps towards use of Solar Energy by installing and commissioning a line Grid connected 20.0 kwp Roof Top Solar Power Plant for its Office Complex.
- Replacement of existing T12 FTL with T5 FTL.
- Replacement of street lights with LED lights at the residential colony in phased manner.
- Use of roof top Solar power at Green building/ Control room building as well as solar street light at various SV terminals of Oil & gas Projects to reduce Grid Power consumption.
- Use of Timer control lighting which optimizes the power consumption as per actual need.
- Use of variable frequency drive with low THD factor with the product pumps in POL Terminals to reduce power consumption by pumps.
- Solar street lighting has been provided at office and hospital premises.

#### 4.7.29 National Aluminium Company Limited

##### a) Bauxite Mines

- Replacement of 320 nos. of 70 W well glass HPSV fittings, 80 nos. of 250 W flood light HPSV lamps, 20 nos. of 250 W HPSV street light fixtures, 89 nos. of CFL lamps, 2,300 nos. of T8 tube light fitting (40 W) with corresponding LED equivalent has been done. A saving of electrical energy of approx. 2,90,000 KWh ( $\approx 25$  TOE) annually is being expected.
- Replacement of 06 nos. of old (installed since

2000-2002) and inefficient air conditioners of 1.5 TR capacity with latest BEE 5-Star rated air conditioners (with R410 A environmental friendly refrigerant). A saving of electrical energy approx. 2,250 KWh ( $\approx 0.2$  TOE) annually is being estimated.

#### b) Alumina Refinery

- Replacement of Dump steam control valve in boiler.
- Optimization of agitator speed in chemical process tanks by suitably downsizing the motor.
- Installation of VFD for 50 Nos. of pumps in Evaporation plant is being carried out. Initial infrastructure work has been completed valuing ₹600 lakhs. VFD installation valued ₹300 lakhs is balance and shall be completed in 2nd Qtr of 2017-18.
- Energy saving by Re-routing of pipe lines to achieve desired flow and pressure.
- Use of indirect steam heating in PPTR tanks instead of direct steam heating.
- Use of additive with coal firing is being done to achieve better combustion efficiency of coal. Successful trials have been carried out in all 05 boilers resulting with better boiler efficiency.
- Installation of Magnetic resonator in HFO line of Boiler no 4; it gives a saving of 6.1% of HFO. Qty saved in this year= 88 KL.
- Installation of Energy efficient pumps in ash slurry pump house and in place of existing SL Cyclone feed pumps.
- Use of separate hydro-test pump of 75 KW for hydro testing of boilers instead of using BFP of 1,130 KW during that time.
- 10. 10 numbers of flood lights replaced with LED lights. 9,320 numbers of tube lights of 57 Watts with 18 Watts LED tubes.

#### c) Smelter Plant

- During the year the specific DC energy consumption in Smelter Plant has reduced to 13,448 KWHr/MT of Hot Metal, lower by 5KWHr/MT as compared to last year's figure of 13,453 KWHr/MT. This could be achieved by use ALPSYS Pot regulation system in all Pot Lines,

reducing anodic problems, reducing wedge drop & stem beam drops, use of graphitized cathode blocks, slotted anodes and use of increased Anode stub hole and pin length in running pots. All these activities resulted in higher Current Efficiency, thereby reducing Specific DC Energy Consumption by 3,90,467 KWHr (33.57 TOE).

- Energy conservation projects taken up at Smelter are; a) Installation of two Energy Efficient Compressors: - 15,05,184 KWH (129.4 TOE). b) Installation of Air-receiver in PTMs screw compressor: - 5,745 KWH (0.49 TOE). c) Replacement of 20 nos. standard LT motors with high energy efficient IE-2 class motor:- 69,723 KWH (6 TOE). d) Replacement of 24 nos. HPSV high bay lights with LED lamps: - 9,472 KWH (0.81 TOE).

#### d) Captive Power Plant

- All six nos. of conventional fan motors of cooling Tower of Unit #6 were successfully replaced with energy efficient VFD controlled motors. This results in annual saving in energy consumption by 340 TOE.
- All the conventional Glass Reinforced Plastics blades of cooling Tower Fans of Unit #9 & #10 (Total of 12 nos. of fans) were replaced with Fibre Reinforced Plastics. This will result annual saving in energy consumption by 170 TOE.
- Total 9,65,492 KWH (983.02 TOE) of energy was saved during the year 2016-17 due to installation of energy efficient lighting system like LED street light fitting and LED tube lights, electronic tube light ballast, LED high bay fitting, LED well glass fitting etc.
- Rain water harvesting system consisting a pond (50,000 M3 Capacity) & pump (2X250 M3 /Hr capacity) was commissioned on 28th September 2016. This has helped to reduce the water drawl from river by 2,73,387M3 during 2016-17.

#### 4.7.30 National Fertilizers Ltd.

- Commitment to achieve lowest possible energy consumption is one of the foremost goals of the company. Taking this forward, Purge Gas Recovery plant has been installed in Ammonia plant of Vijapur II. With the commissioning of

PGR NFL Vijaipur will be able to further increase its urea production by 140 MT per day leading to corresponding reduction of 0.06 Gcal per MT urea in energy consumption.

- Similarly at Panipat and Bathinda Units the redundant S200 synthesis converter which was replaced with S300 during Ammonia feedstock changeover project shall be reinstalled in parallel to further bring down the energy consumption by 0.05 Gcal per MT urea at these two units.
- Preventive maintenance practices have been adopted for reducing the downtime leading to improved energy consumption. Panipat Unit achieved ever best onstream efficiency of 95.3 percent while Nangal, Bathinda and Vijaipur II units achieved an on stream efficiency of more than 90 percent.

#### 4.7.31 NBCC (India) Ltd.

- NBCC has entered into an MoU with IGB to promote green buildings in country. NBCC will suitably adopt IGBC rating systems for their upcoming projects while IGBC would extend all soft support for designing , Construction, operation and certification of green buildings Besides, IGBC will also conduct workshops for NBCC teams to facilitate the adoption of green buildings.
- Construction of Biodigester Toilets Lighting System at NBCC Corporate Office.
- Installation of Solar PV Plant and Plastic Waste Recycling Plant at New Moti Bagh, New Delhi.
- Installation Of Construction And Demolition Waste

Recycling Plant at Project Site of Redevelopment of East Kidwai Nagar, New Delhi.

#### 1.7.32 NHPC LTD.

- Energy audit of seventeen power stations had been carried out in the past to re-assess the conservation of energy. Based on the recommendations of the audits, the energy savings of 8.22 MU/year has been achieved and a balance of 6.04 MU/year is expected to be achieved in near future.
- Phase II Office Building (Neer Shakti Sadan) at Corporate Office, Faridabad has been constructed in line with Energy Conservation Building Code. The building has been awarded 4 star (provisional) rating by GRIHA (Green Rating for Integrated Habitat Assessment) under green building concept.
- Existing light fittings at the offices are being replaced with energy efficient LED light fittings in a phased manner.
- A 70 kWp grid synchronized solar power plant has been installed on the rooftop of Phase –II building (Neer Shakti Sadan) to meet part of the energy requirement for the office building.
- A 150 kWp grid synchronized solar power plant is being installed on the roof top of Phase-I office building (Jyoti Sadan) and canteen building.
- A 500 kWp grid synchronized solar power plant is being installed on the rooftop of buildings at NHPC Residential Complex.
- Impact of measures taken for energy conservation

Name of Company	Consumption of Energy (₹ Crore)		Energy Cost as % of Cost of Production		Consumption of energy per lakh of production	
	2016-17	2015-16	2016-17	2015-16	2017-16	2015-16
NHPC	36.58	40.74	0.98%	1.14%	0.01011	0.0996

#### 4.7.33 NLC India Limited

- Energy Conservation Committees formed in 14 Industrial/Service Units identify and implement the energy conservation measures periodically and wherever possible, energy conservation is being achieved through regular maintenance,

replacements, using energy efficient equipment and through innovative ideas using in-house expertise.

- Recommendations on Energy Audit conducted in Thermal Power Station-I, Thermal Power Station-I Expansion and Thermal Power Station-II were implemented.

- Idle running hours in crushers in Thermal Power Station-I is minimised thereby considerable energy conservation is registered.
- Lighting audit has been carried out internally and replacing of conventional lighting with LED lights is taken up as an energy conservation measure in various units.
- Capacitor banks are being introduced in a phased manner in motors of conveyors, Special Mining Equipment and transformers to improve power factor thereby reducing reactive power energy losses.
- To inculcate the culture of energy conservation, National Energy Conservation Week was observed from 14.12.2016 to 21.12.2016. Eight training programmes were organised during the observance to promote energy conservation
- engaging PCRA as knowledge partner. Apart from employees, school and college students were also benefitted.
- R&D Project
  - A collaborative study for “Dynamic loading of the conveyor motors based on the actual load in the conveyor” was carried out in Mine-II by CARD in collaboration with NIT-Trichy.
  - A collaborative pilot study with International Advanced Research Centre (ARCI), Chennai has been taken for 5 KW Power generation from the by-product of Hydrogen through Polymer Electrolyte Membrane (PEM) Fuel cell.
- Impact of measures taken for energy conservation

Name of the CPSE	Consumption of Energy (Excluding Auxiliary Consumption)-₹ Crores		Energy Cost as percentage of Cost of Production (%)	
	2016-17	2015-16	2016-17	2015-16
NLC India Limited	407.18	356.77	7.37	8.11

#### 4.7.34 NMDC Ltd.

- Audit recommendations are being implemented for energy conservation based on the energy audits undertaken at all the projects.

#### 4.7.35 North Eastern Electric Power Corporation Ltd.

- Use of energy saving LED luminaires in office buildings, street lighting, Powerhouses and other locations has been made mandatory in each establishment.
- Installation of occupancy sensors, Sensor for wash room and Energy Saving Fans.
- Improving efficiency of Steam Turbines by chemical treatment of condensers/cooling lines.
- Installation of 15 kW grid interactive roof-top solar plant at AGBP, office complex to cater to office load.
- Installation of 2 kW grid interactive horizontal axis sun tracker solar plant at KHEP.
- Installation of Solar Water Heating Systems of aggregate capacity of 4000 LPD at Project Guest

Houses of NEEPCO in three locations, viz. AGBP, KHEP, and KaHEP.

- Installation of Solar PV Power Plants of aggregate capacity of 27 KWp at Project Guest Houses of NEEPCO in three locations, viz. AGBP, KHEP and KaHEP.

#### 4.7.36 NPTC Ltd.

- During 2016-17, all stations had conducted Auxiliary Power Consumption Energy Audits (26 nos.). Also Water Balance audits were conducted at 9 nos. stations. A Conference of Energy Managers of all NTPC stations was organized to deliberate actions for energy / water conservation and disseminate the activities undertaken at various Stations.
- Replacement of existing lighting (FTL's, HPSV's) in boiler, turbine, switchgear rooms, offices with LED lighting and replacement of street lighting HPSV / Halogen / FTL fixtures with LED light fixtures in plant and township were undertaken at various stations during the year. Further, NTPC has entered into a pact with Energy Efficiency



Services Ltd. (EESL) to implement energy efficient LED lighting solutions for all its projects, stations and offices across the country.

- Provision of ₹ 5,453 lacs has been kept in BE 2017-18 for different energy conservation schemes like: - Retrofitting VFD's in ID fans / CEP's - LED lighting - Grid-connected roof top Solar PV systems - Energy efficient LT motors - Energy Efficient fan blades in Cooling Towers.
- Boiler modification in 3 units for improving steam parameters and heat rate, CT fill replacement and restoration of HP heaters were undertaken at some of the Stations.
- Replacement of inefficient BFP cartridges and attending BFP recirculation valves based on high SEC.
- Energy Efficient Coating on pump internals of Cooling Water and other large water pumps, HPBFP gear box modification to save energy.
- Installation of VFDs in various LT drives, Retrofitting of magnetic coupling in pumps.
- Replacing existing motors with Energy Efficient motors, Installing grid connected roof top Solar PV systems.
- Replacing old compressor with energy efficient screw compressor, ESP hopper heater modification to save energy.
- Installing solar water heaters, Optimization of operation of CW pumps, etc.
- Impact of measures taken for energy conservation

Area/Activities	Energy Unit	Savings Qty. of units	₹ Crore
Electrical	MU	118.6	30.54
Heat Energy (equivalent MT of coal)	MT	46178	12.04
Grand Total			42.58

#### 4.7.37 Nuclear Power Corporation. Of India Ltd.

- The energy conservation committees at each station met periodically to review and

suggest measures for energy conservation and improvement in energy efficiency both at plant site and township.

- Each station is in the continuous process of replacing inefficient incandescent light bulb with a more efficient compact fluorescent bulb/LED, add extra or modified insulation over hot surfaces, using energy star appliance, replacing older model appliances or equipment with energy efficient appliances or equipment, use of solar lights etc.

#### 4.7.38 Oil and Natural Gas Corporation Limited.

- During the year, initiative were taken for the installation of Solar Panels at big Buildings like KDMIPE- Dehradun, GEOPIC - Dehradun, IRS Ahmedabad, CEWELL Centre – Vadodara, IPSHEM-Goa.
- Energy Audits were carried out at numerous rigs/ installations across ONGC through in-house energy auditors, recommending measures for improvement in overall energy efficiency. 211 energy audits were conducted in 2016-17 against a target of 205.
- Entered into a MoU with M/s Energy Efficiency Services Ltd. (EESL) for implementation of LED lighting program in ONGC. Prices offered by M/s EESL for various types of lights circulated to work-centres. Work-centres are in the process of obtaining sanctions/ placement of orders for replacement of conventional lights with energy efficient LED lights. Around 4000 LED lights already delivered.
- Commissioned 3 nos. of hired gas compressors of 40, 000 SCMD capacity each at Keshnapalli (W) GGS in Rajahmundry Asset in Sep'2016 to reduce flaring of low pressure associated gas.
- New 16" gas trunk pipe line from Geleki to Dikhow Junction Point (DJP) commissioned in Feb'17. Excess gas available, being flared earlier, is now being transported to Lakwa via DJP for internal consumption primarily for new GT operations.
- Implementation of Energy Management System - ISO 50001 at Uran Plant, Ahmedabad Asset (GGSII & GCP Kalol), IDT Dehradun and Hazira plant.



#### 4.7.39 Power Grid Corporation of India Ltd.

- POWERGRID has established a dedicated Energy Efficiency Cell to make inroads into the conservation of energy and reduction of carbon emission in industrial and commercial sectors.
- Energy audits are regularly carried out to identify opportunities for energy saving and few implementations have also been undertaken successfully to reduce energy consumption in industries and agriculture sector. POWERGRID has undertaken Energy Audit of Integrated Steel Plants.
- POWERGRID is also exploring superconductor cable for transmission, which is almost lossless transmission.
- POWERGRID has adopted higher voltage levels like 765kV AC,  $\pm 500$ kV HVDC,  $\pm 800$ kV HVDC in its transmission systems for bulk power transfer across various regions which result in lower losses in the system.
- 1200kV AC system is also being considered for bulk power transmission which is under field trial stage now.

- POWERGRID undertakes energy conservation measures by means of reduction of losses in its transmission schemes right from planning to execution stage.

#### 4.7.40 Rajasthan Electronics & Instruments Limited

- The Company installed 30 KW Solar Power Plant on roof top during the year 2016-17 making the installed capacity to 255 KW.
- The Company saved approx 525 Liters of Diesel during the Year 2016-17 as compared to previous year (2015-16) through load scheduling and periodic maintenance/ tuning of the equipment.
- The Company has been able to improve the Specific Energy Consumption in manufacturing areas. A reduction of 3.36% and 3.45% has been recorded in Solar PV and EMT manufacturing areas.
- The Company saved 4320 units by replacing conventional lights with energy efficient LED lights in Electronic manufacturing area during the Year 2016-17.
- Impact of measures taken for energy conservation

Rajasthan Electronics & Instruments Limited	Product	Consumption of Energy (₹ Crore)		Energy Cost as percentage of Cost of Production		Consumption of Energy per unit of Production KWh	
		2016-17	2015-16	2016-17	2015-16	2016-17	2015-16
Electrical Energy from Grid with DG Set in back up	EMT	0.06*	0.10*	0.03	0.05	9.58 per EMT	9.93 per EMT
	PV	0.22*	0.34*	0.11	0.19	0.03548 Per Watt	0.03672 Per Watt

#### 4.7.41 Railtel Corporation India Ltd.

- Company has taken steps for reducing the running of Air Conditioning System.
- Company is again in process of conducting Energy Audit from an independent outside agency to achieve target of 40% energy saving.
- Provision of capacitor bank panel at Corporate Office building of the Company.
- Refurbishing of all old electrical panel at Corporate Office building of the Company.
- Provision of motion sensors.

#### 4.7.42 Rashtriya Chemicals And Fertilizers Ltd.

##### TROMBAY UNIT

- Replacement of 11 KV, 3650 KW Motor for PAC.
- Conversion of Class IV (Leakage class) vent Valves (PIC-1 & HIC-305) on MP Steam header to Class V (Leakage class).
- Dry Ice cleaning of convection zone coils.
- Replacement of fabric expansion bellows of Combustion air duct.

- Installation of New Ammonia Feed Pump.
- Installation of vortex mixer and conversion booster in Urea reactor.
- Dry Ice cleaning of Furnace (tubes) carried out in Boiler No. 1.
- Modification of nine stage BFW Pump to eight stage BFW Pump in Boiler no.1
- Stoppage of PCT pumps and ID Fans by making provision for ammonia scrubbing in CN (6) scrubber instead of earlier NP section scrubber.
- Replacement of aluminium casting blades of CCT ID Fan (North) with
- Provision of VFD for water booster pump.
- Reduction in the monthly power bill of Factory by reducing Contract Demand from 35 MVA to 28 MVA in accordance with the current factory requirement.
- Procurement, Installation & Commissioning of 100KW Rooftop grid Synchronized Solar power Generation.

#### **THAL UNIT**

- Urea 21 CO<sub>2</sub> compressor turbine washing carried out during April 2016 shutdown. Energy saving of 0.01 Gcal/MT of Urea was achieved.
- Ammonia –I Alternator motor was replaced with high capacity motor in May 2016 resulting in additional power generation. This has resulted in energy saving of 4.75 Lakhs/KWh per year.
- Installation of 1198 KWp solar plant expected power generation shall be around 15.74 Lakh KWh per annum.
- Replacement of old electrical light fittings (Tubes, tube fittings, well glass fittings, street lights, induction lamps, and high bay fittings) with energy efficient LED fittings. This has resulted in potential energy savings of 10.8 Lakh KWh per year.
- Replacement of package AC 11 TR (2 No.) in PHP and CGP area.
- 118 KW conventional motor of process water pump was replaced with 110 KW energy efficient motor.
- 90 KW Conventional motor of Degasser pump (WTP II) was replaced with energy efficient motor.

#### **4.7.43 SAIL**

##### **Bhilai Steel Plant (BSP)**

- Air-gas ratio control of Hot Blast Stoves in BF through HT drives for Combustion Air fan motors for energy optimization.
- Installation of timers for outdoor lighting circuits of CCD-3 in COB for considerable energy saving and cost control.

##### **Durgapur Steel Plant (DSP)**

- Commission of revamped Coke Oven Battery.
- Hot repair of Coke Oven Battery.
- Cold repair of Coke Oven Battery.
- Installation of VVVF panel in Coke Oven Battery.
- Photo sensors introduced in Coke Oven & Coal Chemicals area lighting.
- All 15 silos at Coal Handling Plant put into operation.
- Highest ever Coke Oven Gas yield @ 311.9 Nm<sup>3</sup>/tdc.
- Complete replacement of sinter cars in Sinter Plant -1 for suction improvement.
- Commissioning of Coal Bed Methane injection in Blast Furnace to increase Hot Blast Temperature.
- Lowest ever Blast Furnace Coke rate of 483 kg/thm.
- Highest ever Blast Furnace Coal Dust Injection rate of 56 kg/thm .
- Installation of additional Coke Oven Gas burners in boilers, thereby drastically reducing coal consumption.
- Closure of energy intensive Soaking Pit route. Production through Continuous Casting route increased from 88% to 95%.
- 2 x 200 T Propane storage and handling system commissioned.
- Top segment of Wheel Plant A-furnace recuperator replaced to increase waste heat recovery.
- Plant specific overall energy consumption - 6.50 Gcal/tcs.

- Rourkela Steel Plant (RSP)
- Replacement of skid pipes with insulation in RH Furnace of Hot Strip Mill to reduce heat loss.

#### **Bokaro Steel Plant (BSL)**

- Improvement of power factor by reviving capacitor bank of LF-1 sub-station of CCS.
- Commissioning of new ID fan no-2 with VFD in SMS-II.
- Change of heating mode in pickling from direct heating to indirect heating through steam.
- Reduction in avg. cycle time in Annealing by using base fan in 50 bases.
- Rectification of about 110 steam leakage points & replacement of 25 steam traps.

#### **IISCO Steel Plant (ISP)**

- Installation of energy efficient lights

- 78 nos. of 27 W LED Well Glass Fixtures.
- 25 nos. of 42W LED lamps in Well Glass Fittings.
- 40 nos. of 10W LED lamps in Bulkhead Light Fittings.
- 90 nos. of >700 Lm LED lamps with B22 caps.
- 3,477 nos. of 18 / 20 W LED tube lights.
- 40 nos. of 90W L.E.D. Luminaire Street Lighting.
- 815 nos.,of retrofitted LED Tube light for T5 Tube Luminaries.
- 2,000nos.of retrofittedLedLampforconventional E27 Cap 70w HPSV / HPMV Lamps.
- 19 nos. of 120W Led Street Light Fixture.
- Intra Plant Energy Audit of 160 KWP off Grid Roof Top Solar Power Plant conducted.

**Annexure-4.1 : Foreign Exchange Earning (FEE) & Foreign Exchange Utilization (FEU) by CPSEs during 2016-17**

(In ₹ Lakhs)

Sl. No.	CPSE NAME	FEE	FEU	Net FEE
1.	ONGC VIDESH LTD.	783887	414827	369060
2.	ONGC MANGALORE PETROCHEMICALS LTD.	374121	12917	361204
3.	NATIONAL ALUMINIUM COMPANY LTD.	327732	28863	298869
4.	AIRPORTS AUTHORITY OF INDIA	97961	42528	55433
5.	RITES LTD.	42203	3520	38683
6.	AIR INDIA AIR TRANSPORT SERVICES LTD.	29158	0	29158
7.	ENGINEERS INDIA LTD.	30060	7919	22141
8.	GOA SHIPYARD LTD.	39882	18031	21851
9.	INDIAN RARE EARTHS LTD.	19843	0	19843
10.	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	6893	1189	5704
11.	BHARAT PETRO RESOURCES LTD.	6191	672	5519
12.	WAPCOS LTD.	18321	12949	5372
13.	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	4751	30	4721
14.	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	3201	8	3193
15.	IRCON INTERNATIONAL LTD.	26522	24124	2398
16.	ENGINEERING PROJECTS (INDIA) LTD.	55254	53078	2176
17.	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	2235	688	1547
18.	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	739	238	501
19.	NATIONAL SEEDS CORPN. LTD.	264	10	254
20.	PROJECTS & DEVELOPMENT INDIA LTD.	261	49	212
21.	HLL INFRA TECH SERVICES LTD.	159	0	159
22.	ANDREW YULE & COMPANY LTD.	192	58	134
23.	IRCON INFRASTRUCTURE & SERVICES LTD.	488	403	85
24.	NATIONAL FILM DEV. CORPN. LTD.	106	27	79
25.	MAHANAGAR TELEPHONE NIGAM LTD.	383	310	73
26.	BEL-THALES SYSTEMS LTD.	50	3	47
27.	EdCIL(India) Ltd.	49	4	45
28.	HMT LTD.	38	1	37
29.	ASSAM ASHOK HOTEL CORPN. LTD.	2	0	2
30.	AGRINNOVATE INDIA LTD.	1	2	-1
31.	GAIL GAS LTD.	0	3	-3
32.	HINDUSTAN FLUOROCARBONS LIMITED	0	4	-4
33.	COTTON CORPN. OF INDIA LTD.	0	5	-5
34.	WESTERN COALFIELDS LTD.	0	6	-6
35.	KONKAN RAILWAY CORPORATION LTD.	0	12	-12
36.	MINERAL EXPLORATION CORPN. LTD.	0	13	-13
37.	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	0	14	-14

Sl. No.	CPSE NAME	FEE	FEU	Net FEE
38.	MOIL LTD.	0	14	-14
39.	SOLAR ENERGY CORPORATION OF INDIA	0	27	-27
40.	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	34	85	-51
41.	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	0	74	-74
42.	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	0	84	-84
43.	COAL INDIA LTD.	0	105	-105
44.	BHARAT PETRO RESOURCES JPDA	0	131	-131
45.	NATIONAL RESEARCH DEVELOPMENT CORPN.	0	176	-176
46.	BRIDGE & ROOF CO.(INDIA) LTD.	0	204	-204
47.	INSTRUMENTATION LTD.	14	250	-236
48.	MECON LTD.	86	392	-306
49.	POWER GRID JABALPUR TRANSMISSION LTD.	0	359	-359
50.	POWER GRID PARLI TRANSMISSION LTD.	0	370	-370
51.	HOUSING & URBAN DEV. CORPN. LTD.	202	606	-404
52.	HINDUSTAN ANTIBIOTICS LTD.	1	415	-414
53.	BHARAT PUMPS & COMPRESSORS LTD.	0	426	-426
54.	RAIL VIKAS NIGAM LTD.	0	437	-437
55.	HMT (INTERNATIONAL) LTD.	640	1131	-491
56.	NATIONAL SMALL INDUSTRIES CORPN. LTD.	37	546	-509
57.	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	0	684	-684
58.	HINDUSTAN INSECTICIDES LTD.	343	1123	-780
59.	POWER GRID WARORA TRANSMISSION LTD.	0	873	-873
60.	INDIA TRADE PROMOTION ORGANISATION	1144	2206	-1062
61.	HEAVY ENGINEERING CORPN. LTD.	0	1127	-1127
62.	HINDUSTAN NEWSPRINT LTD.	0	1443	-1443
63.	HMT MACHINE TOOLS LTD.	28	2068	-2040
64.	BROADCAST ENGG. CONSULTANTS INDIA LTD.	19	2320	-2301
65.	PRIZE PETROLEUM COMPANY LTD.	0	2457	-2457
66.	SOUTH EASTERN COALFIELDS LTD.	0	2718	-2718
67.	CENTRAL ELECTRONICS LTD.	221	2989	-2768
68.	MAHANADI COALFIELDLS LTD.	0	2892	-2892
69.	SJVN LTD.	0	3115	-3115
70.	POWERGRID NM TRANSMISSION LTD.	0	3157	-3157
71.	KOLKATA METRO RAIL CORPORATION LTD.	0	3217	-3217
72.	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	23	3243	-3220
73.	HINDUSTAN SHIPYARD LTD.	0	4081	-4081
74.	NEPA LTD.	0	4677	-4677
75.	CENTRAL COALFIELDS LTD.	0	4822	-4822
76.	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	729	5726	-4997
77.	MISHRA DHATU NIGAM LTD.	0	5313	-5313



Sl. No.	CPSE NAME	FEE	FEU	Net FEE
78.	HLL LIFECARE LTD.	12828	19585	-6757
79.	I T I LTD.	0	6953	-6953
80.	NLC INDIA LTD.	0	6975	-6975
81.	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	0	7876	-7876
82.	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	137	8017	-7880
83.	RAILTEL CORPORATION INDIA LTD.	0	7899	-7899
84.	CONTAINER CORPORATION OF INDIA LTD.	0	8659	-8659
85.	BRAHAMPUTRA CRACKERS & POLYMER LTD.	0	9471	-9471
86.	BALMER LAWRIE & CO. LTD.	8493	18914	-10421
87.	SHIPPING CORPORATION OF INDIA LTD.	355576	367589	-12013
88.	NHPC LTD.	0	12875	-12875
89.	THDC INDIA LTD.	0	12949	-12949
90.	INDIA INFRASTRUCTURE FINANCE CO. LTD.	1	13543	-13542
91.	KIOCL LTD.	76	13881	-13805
92.	EASTERN COALFIELDS LTD.	0	16122	-16122
93.	BHARAT COKING COAL LTD.	0	16643	-16643
94.	DREDGING CORPN. OF INDIA LTD.	0	19235	-19235
95.	NMDC Ltd.	0	19700	-19700
96.	AIRLINE ALLIED SERVICES LTD.	0	19965	-19965
97.	NLC TAMIL NADU POWER LTD.	0	23694	-23694
98.	POWER FINANCE CORPORATION LTD.	0	25757	-25757
99.	NUMALIGARH REFINERY LTD.	0	26663	-26663
100.	NORTHERN COALFIELDS LTD.	0	28121	-28121
101.	HINDUSTAN COPPER LTD.	23178	59979	-36801
102.	BHARAT DYNAMICS LTD.	60	40506	-40446
103.	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	0	41200	-41200
104.	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	2027	49221	-47194
105.	RURAL ELECTRIFICATION CORPN. LTD.	0	53492	-53492
106.	ANTRIX CORPORATION LTD.	17697	72582	-54885
107.	BEML LTD.	1686	63865	-62179
108.	COCHIN SHIPYARD LTD.	10442	85102	-74660
109.	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	0	75103	-75103
110.	BHARAT HEAVY ELECTRICALS LTD.	248955	334977	-86022
111.	OIL INDIA LTD.	4714	96506	-91792
112.	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	0	101977	-101977
113.	NATIONAL FERTILIZERS LTD.	0	102248	-102248
114.	INDIAN RAILWAY FINANCE CORPORATION LTD.	0	104454	-104454
115.	NUCLEAR POWER CORPN. OF INDIA LTD.	0	106427	-106427
116.	MAZAGON DOCK SHIPBUILDERS LTD.	0	155583	-155583
117.	M S T C LTD.	1	192251	-192250

Sl. No.	CPSE NAME	FEE	FEU	Net FEE
118.	BHARAT ELECTRONICS LTD.	43247	317052	-273805
119.	RASHTRIYA ISPAT NIGAM LTD.	105732	453540	-347808
120.	AIR INDIA LTD.	1673999	2037347	-363348
121.	P E C LTD.	5828	379237	-373409
122.	POWER GRID CORPORATION OF INDIA LTD.	2334	395156	-392822
123.	STATE TRADING CORPN. OF INDIA LTD.	74290	604256	-529966
124.	NTPC LTD.	582	537690	-537108
125.	HINDUSTAN AERONAUTICS LTD.	46502	668174	-621672
126.	GAIL (INDIA) LTD.	78507	871171	-792664
127.	M M T C LTD.	154743	1008982	-854239
128.	STEEL AUTHORITY OF INDIA LTD.	173783	1491206	-1317423
129.	OIL & NATURAL GAS CORPORATION LTD.	307287	2067480	-1760193
130.	CHENNAI PETROLEUM CORPORATION LTD.	0	1971514	-1971514
131.	HINDUSTAN PETROLEUM CORPN. LTD.	120942	3473392	-3352450
132.	MANGALORE REFINERY & PETROCHEMICALS LTD.	1003076	4512168	-3509092
133.	BHARAT PETROLEUM CORPN. LTD.	978858	6208477	-5229619
134.	INDIAN OIL CORPORATION LTD.	1431536	15789005	-14357469
<b>Grand Total:</b>		<b>8761585</b>	<b>45920994</b>	<b>-37159409</b>

**Annex 4.2 : Loans (Secured and Unsecured) raised abroad by CPSEs**

₹ in Crore

S. No.	Cognate Group/CPSEs	2016-17		2015-16	
		Secured Loan	Un Secured Loan	Secured Loan	Un Secured Loan
1.	EASTERN COALFIELDS LTD.	-	-	168	-
2.	OIL INDIA LTD.	-	8,947	-	9,132
3.	ONGC VIDESH LTD.	-	24,917	-	19,121
4.	STEEL AUTHORITY OF INDIA LTD.	250	10,440	-	7,745
5.	BHARAT PETROLEUM CORPN. LTD.	-	15,658	-	11,868
6.	INDIAN OIL CORPORATION LTD.	-	35,050	-	28,158
7.	MANGALORE REFINERY & PETRO-CHEMICALS LTD.	2,793	1,297	3,870	-
8.	MADRAS FERTILIZERS LTD.	-	196	-	-
9.	NATIONAL FERTILIZERS LTD.	172	-	215	-
10.	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	-	280	70	916
11.	HLL LIFECARE LTD.	185	-	141	50
12.	NLC INDIA LTD.	-	434	-	495
13.	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	-	387	-	460
14.	NTPC LTD.	-	29,579	-	26,348
15.	NUCLEAR POWER CORPN. OF INDIA LTD.	-	547	-	1,115
16.	SJVN LTD.	-	1,973	-	2,163
17.	POWER GRID CORPORATION OF INDIA LTD.	22,886	6,625	23,203	6,053
18.	AIRPORTS AUTHORITY OF INDIA	-	39	-	42
19.	DREDGING CORPN. OF INDIA LTD.	-	-	826	-
20.	NATIONAL SMALL INDUSTRIES CORPN. LTD.	-	49	-	55
21.	HOUSING & URBAN DEV. CORPN. LTD.	-	399	-	471
22.	INDIA INFRASTRUCTURE FINANCE CO. LTD.	-	12,124	-	-
23.	INDIAN RAILWAY FINANCE CORPORATION LTD.	78	7,104	100	9,233
24.	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	-	5,051	82	3,119
25.	POWER FINANCE CORPORATION LTD.	-	7,257	-	7,495
26.	RURAL ELECTRIFICATION CORPN. LTD.	-	19,630	-	18,774
27.	KOLKATA METRO RAIL CORPORATION LTD.	1,515	-	1,169	-
	<b>Grand Total:</b>	<b>27,879</b>	<b>187,983</b>	<b>29,844</b>	<b>152,813</b>

# 5

## Organisation and Management

### 5.1 Organizational Structure of CPSEs:

The Department of Public Enterprises formulates policy guidelines on the Board structure of Central Public Sector Enterprises (CPSEs) and advises on the shape and size of organizational structure of CPSEs. The CPSEs are categorized in four Schedules namely 'A', 'B', 'C' and 'D' based on various quantitative, qualitative and other factors. The quantitative factors considered in this regard are: investment, capital employed, net sales, profit before tax, number of employees and units, capacity addition, revenue per employee, sales/capital employed, capacity utilization and value added per employee. Qualitative factors are: national importance, complexities of problems being faced by the company, level of technology, prospects for expansion and diversification of activities and competition from other sectors, etc. The other factors, wherever available, relate to Share price, MOU ratings, Maharatna/Navratna/Miniratna status and ISO certification and also the factor relating to the critical/strategic importance of the concerned CPSE. The pay scales of Chief Executives and full time Functional Directors in CPSEs are determined as per the schedule of the concerned CPSE.

The proposals received from concerned administrative Ministries for initial categorization/upgradation of CPSEs in appropriate schedule, personal upgradation, creation of posts in CPSEs, re-designation of Board level posts, exemption of Board level posts in CPSEs from the rule of immediate absorption, etc. are considered in DPE in consultation with Public Enterprises Selection Board (PESB).

During the year 2016-17, post of Director (Finance) was created, in lieu of the post of Director (Engineering) and post of Director (Technology) was re-designated as Director (Technical) on the Board of MECON Limited.

The following Board level posts in CPSEs were exempted from the rule of immediate absorption during 2016-17

- i. Director (Finance), Bharat Broadband Network Limited

- ii. Managing Director Sagarmala Development Company Limited
- iii. Director (Finance) Sagarmala Development Company Limited
- iv. Director (Projects) Sagarmala Development Company Limited
- v. Director (Engineering), Burn Standard Company Limited
- vi. CMD and Director (Finance), Handicrafts & Handlooms Export Corporation of India Limited.

There are 180 scheduled CPSEs, i.e. 64 Schedule 'A', 67 Schedule 'B', 45 Schedule 'C' and 4 Schedule 'D' CPSEs in October, 2017. The Schedule-wise list is at **Annex-5.1**.

### 5.2 Appointment of Functional Directors of CPSEs:

Functional Directors including Chief Executives of the CPSEs are appointed by the concerned Administrative Ministries/Departments on the basis of recommendations of Public Enterprises Selection Board (PESB). The Public Enterprises Selection Board was constituted by the Government of India vide its Resolution dated 3.3.1987. The PESB has been set up with the objective of evolving a sound managerial policy for the Central Public Sector Enterprises and, in particular, to advise Government on appointments to their top management posts. As per GOI Resolution, the PESB shall consist of a part-time or full-time chairperson and three full-time Members. The Government has laid down the guidelines for selection, appointment, procedure for confirmation and extension of tenure of Board level incumbents of CPSEs.

The Appointments Committee of the Cabinet (ACC) has delegated its power to approve additional charge arrangements with respect to the board level posts in Schedule 'C' and 'D' CPSEs' to the Minister-in-charge of concerned administrative Ministry/Department, irrespective of the period for which this additional charge is assigned, subject to the conditions specified in para III of instructions dated 17th august,

2005. On the basis of decision of ACC, directions were issued to all administrative Ministries/Departments to the effect that residual service would henceforth be reckoned by Public Enterprises Selection Board with reference to the date of superannuation of candidates' instead of 'superannuation age' for the purpose of calculating cut-off age for consideration to the board level post in CPSEs.

### 5.3 Professionalization of Board of CPSEs:

Department of Public Enterprises formulates policy guidelines on the Board structure of CPSEs. In pursuance of the public sector policy being followed since 1991 several measures have been taken by the Department of Public Enterprises to professionalize the Boards of public enterprises. The guidelines issued in 1992, provide that outside professionals should be inducted on the Boards of CPSEs in the form of part-time non-official Directors and that the number of such Directors should be at least 1/3rd of the actual strength of the Board. In the case of listed CPSEs headed by executive Chairman, the number of non-official Directors (Independent Directors) should be at least half the strength of the Board. The guidelines also provide that the number of Government Directors on the Boards should be not more than one-sixth of the actual strength of the Board subject to a maximum of two. Apart from this, there should be some functional Directors on each Board whose number should not exceed 50% of the actual strength of the Board.

As regards selection and appointment of non-official Directors on the Boards of CPSE, the following eligibility criteria has been prescribed:-

- a) Criteria of Experience
  - i. Retired Government officials with a minimum of 10 years experience at Joint Secretary level or above.
  - ii. Persons who have retired as CMD/CEOs of CPSEs and Functional Directors of the Schedule 'A' CPSEs. The ex-Chief Executives and ex-Functional Directors of the CPSEs will not be considered for appointment as



non-official Director on the Board of the CPSE from which they retire. Serving Chief Executives/Directors of CPSEs will not be eligible to be considered for appointment as non-official Directors on the Boards of any CPSEs.

- iii. Academicians/Directors of Institutes/Heads of Department and Professors having more than 10 years teaching or research experience in the relevant domain e.g. management, finance, marketing, technology, human resources, or law.
  - iv. Professionals of repute having more than 15 years of relevant domain experience in fields relevant to the company's area of operation.
  - v. Former CEOs of private companies if the company is (a) listed on the Stock Exchanges or (b) unlisted but profit making and having an annual turnover of at least ₹250 crore.
  - vi. Persons of eminence with proven track record from Industry, Business or Agriculture or Management.
  - vii. Serving CEOs and Directors of private companies listed on the Stock Exchanges may also be considered for appointment as part-time non-official Directors on the Boards of CPSEs in exceptional circumstances.
- b) Criteria of Educational Qualification Minimum graduate degree from a recognized university.

c) Criteria of Age

The age band should be between 45-65 years (minimum/maximum limit) This could, however, be relaxed for eminent professionals, for reasons to be recorded, being limited to 70 years.

d) Reappointment

The non-official Directors, will not be re-appointed in the same CPSE after completing a maximum of two tenures, each tenure being for a period of three years.

e) Appointment in number of CPSEs at the same time

One person will not be appointed as non-official Director on the Boards of more than three CPSEs at the same time.

f) Directorship in private companies

A person being considered for appointment as non-official Director on the Board of CPSEs should not hold directorship in more than 10 private companies.

The proposals for appointment of non-official Directors are initiated by the concerned Administrative Ministries/Departments. The selection of non-official Directors in respect of all CPSEs is made by the Search Committee which presently consists of Secretary (DoPT), Secretary (DPE), Secretary of the administrative Ministry/Department of the concerned CPSE and 2 non-official Members, viz. Smt. Pratima Dayal & Prof. Ravichandran Narasimhan. The concerned Administrative Ministry/Department appoints the non-official Directors on the basis of recommendations of Search Committee after obtaining the approval of competent authority. During the year 2016-17, the Search Committee held 6 meetings and recommended names for filling up 165 positions of non-official Directors on the Boards of various CPSEs.

The concerned administrative Ministries/Departments of listed CPSEs were regularly requested to ensure appointment of at least one woman Director on the Boards of listed CPSEs under their respective administrative jurisdiction to ensure compliance with provisions of Companies Act, 2013 and SEBI (LODR) Regulations, 2015.

All administrative Ministries/Departments were regularly requested to furnish proposals for filling up vacant positions of non-official Directors of CPSEs under their respective administrative jurisdiction.

DPE organized following orientation programmes for capacity building of Non-official and Government Directors of CPSEs in which participants were sensitized about their role and responsibilities in the context of newly enacted Companies Act, 2013 and important issues related to better functioning of Boards.

- i. Two day programme on 26<sup>th</sup> & 27<sup>th</sup> September, 2016 in Shillong attended by 31 Non-official and Government Directors of various CPSEs.
- ii. Two day programme on 11<sup>th</sup> and 12<sup>th</sup> November, 2016 in Jaipur attended by 23 non-official Directors and Government Directors of various CPSEs.
- iii. Two day programme on 30<sup>th</sup> and 31<sup>st</sup> January 2017 in New Delhi attended by 21 Non-official and Government Directors of various CPSEs.
- iv. Two day programme on 27<sup>th</sup> and 28<sup>th</sup> February, 2017 in Raipur attended by 33 Non-official and Government Directors of various CPSEs.
- v. Two day programme on 17<sup>th</sup> and 18<sup>th</sup> March, 2017 in Puducherry attended by 26 Non-official and Government Directors of various CPSEs.

As per directions of ACC, instructions had been issued to all administrative Ministries/Departments to the effect that the tenure of nominee part-time Directors on the Board of CPSEs shall be fixed as three years or till the date of superannuation or till further orders at par with tenure prescribed for non-official Directors of CPSEs.

DPE hosted a delegation from State-owned Assets Supervision and Administration Commission of the State Council (SASAC), People's Republic of China led by Mr. Lu Zhijun, Director General (Foreign Affairs), SASAC from 23<sup>rd</sup> May, 2016 to 25<sup>th</sup> May, 2016. The visiting delegation interacted with senior officers of DPE and also held meetings with senior officials of Department of Heavy Industry, Department of Industrial Policy & Promotion, Ministry of Road Transport and Highways and Ministry of Shipping. The visiting Delegation was briefed on role of DPE management of CPSEs and initiatives being taken by DPE to improve the performance of CPSEs. The visiting delegation suggested signing of MoU between SASAC and DPE, India and invited delegation from DPE to visit China to understand working of SASAC.

DPE in consultation with the Ministry of External Affairs, Organized the first meeting of BRICS Forum on SOE Governance and Reforms

on 18<sup>th</sup> and 19<sup>th</sup> November, 2016 at Chennai. The meeting was inaugurated by Hon'ble Minister of Heavy Industries & Public Enterprises. Delegations from South Africa (headed by their Cabinet Minister), India, China and Russia participated in the meeting. More than 50 participants from delegations of BRICS member countries and CPSEs in the country attended the meeting.

## 5.4 Corporate Governance in CPSEs

Keeping in view the importance of Corporate Governance principles in ensuring transparency and enhancing the trust of stakeholders and also the continued need to adopt and apply the good Corporate Governance practices in respect of CPSEs wherein huge public funds are invested, Government introduced Guidelines on Corporate Governance for CPSEs, on mandatory basis, in March, 2010.

These Guidelines are applicable to all CPSEs and cover issues like composition of Board of CPSEs, Audit Committee, Remuneration Committee, Subsidiary Companies, Disclosures, Code of Conduct and Ethics, Risk Management and Reporting, monitoring the compliance of Guidelines by the CPSEs. Since, the concept of Corporate Governance is dynamic in nature, it has also been provided that suitable modifications in these Guidelines would be carried out to bring them in line with prevailing laws, Regulations, Acts, etc. from time to time.

The DPE has also taken the initiative to grade CPSEs on the basis of their compliance with Guidelines and such grading will be used for MOU Awards. Keeping in view the importance of Corporate Governance in State Level Public Enterprises, all States have also been advised to implement these Guidelines. The salient features of these guidelines are as under.

### a) **Composition of Board and Conduct of Board meetings**

In respect of the Board's composition, these Guidelines provide that the number of functional Directors should not exceed 50% of the actual strength of the Board; and the number of Government

nominee Directors shall be restricted to maximum of two. In case of listed CPSEs with Executive Chairman, the number of non-official Directors shall be at least 50% of Board Members. In case of unlisted and listed CPSEs with Non-executive Chairman, at least one-third of the Board Members shall be non-official Directors. The Government has also laid down pre-defined criteria in terms of educational qualifications, age and experience in respect of persons to be considered for appointment as Non-official Directors. Relevant clauses have been incorporated in these guidelines to ensure 'independence' of Non-official Directors and avoid potential conflict of interest.

It has been further mandated that the Board meetings are to be held at least once in every 3 months and at least 4 such meetings held in a year and all relevant information is to be given to the Board. Further, the Board should lay down code of conduct for all members and senior management. In this regard, a model Code has been incorporated in the Guidelines to assist the CPSEs. The Guidelines inter alia provide that the Board should ensure integration and alignment of risk management system and the company should undertake suitable training programmes for its new Board members.

#### **b) Audit Committee**

The provisions relating to Audit Committee require a qualified and independent Audit Committee to be set up by CPSEs with minimum three Directors as members. Further, two-thirds of the members of this Committee should be Independent Directors with an Independent Director as Chairman. The Audit Committee has been given extensive powers with regard to financial matters of company and is required to meet at least 4 times in a year.

#### **c) Subsidiary Companies**

With regard to subsidiary companies, it has been provided that at least one Independent Director of holding company will be Director on the Board of subsidiary company and the Audit Committee of holding company will review financial statements of subsidiary company. All significant transactions and arrangements of subsidiary companies are required to be brought to the attention of Board of Directors of the holding company.

#### **d) Disclosures**

The provisions regarding disclosures require all transactions to be placed before the Audit Committee. The Guidelines mandate that while preparing financial statements, treatment should be as per prescribed Accounting Standards and if there are any deviations, the same are to be explicitly mentioned. Further, the Board is to be informed about risk assessment and minimization procedures and senior Management is to make disclosures to Board relating to all financial and commercial transactions where they have personal interest or may have a potential conflict.

#### **e) Compliance**

It has also been mandated in the Guidelines that Annual Report of companies should contain a separate section on Corporate Governance with details of compliance. The CPSEs will have to obtain a certificate from Auditors/Company Secretary regarding compliance with these Guidelines. Chairman's speech in AGM will also carry a section on compliance with Corporate Governance Guidelines and will form part of the company's Annual Report. The CPSEs are required to submit quarterly compliance report to their administrative Ministries who will furnish a consolidated Annual Report to DPE. During the year, DPE finalized the grading of CPSEs on the basis of their compliance with Guidelines on Corporate Governance for CPSEs for the year 2015-16 and the list is enclosed at **Annex 5.2**.

### **5.5 Wage & Salary and Manpower Rationalization in CPSEs:**

The Department of Public Enterprises (DPE) functions as the nodal Department for policy formulation inter-alia, in respect of pay revision of the executives holding posts at the Board level and below Board level and non-unionized supervisors, and also wage settlement of workmen in CPSEs. The Department also issues policy guidelines on perquisites, allowances and incentives for the executives and non-unionized supervisors. It renders advice to the Administrative Ministries/ Departments and the CPSEs in all matters relating to the pay structure and scales of pay of the executives and the wage policy of workmen. The CPSEs largely follow the Industrial Dearness Allowance (IDA) pattern

of scales of pay. Though, in some cases the Central Dearness Allowance (CDA) pattern of scales of pay are still being followed. DPE also issues DA orders for every quarter in respect of IDA employees. The DA orders for CDA employees are issued on six monthly basis.

### 5.5.1 Industrial Dearness Allowance (IDA)

Government policy relating to pay structure and pay scales is that all employees of the CPSEs should be on the IDA pattern scales of pay. Instructions were issued by the DPE in July, 1981 and July, 1984 to all the administrative Ministries/ Departments that as and when a new CPSE is created or established, IDA pattern scales of pay should be adopted ab-initio. DPE vide its O.M. dated 12.06.1990, issued instructions that appointments, on or after 01.01.1989 in CDA scales of pay have to be in IDA scales of pay. In this regard it was subsequently (in August 2009) clarified that 'appointments' include 'promotion'. There were 331 CPSEs (excluding Banks, Insurance Companies and newly set up CPSEs), with 11.31 lakhs workmen, clerical staff and executives as on 31.03.2017 under the administrative control of the Central Government. Of this, about 10.99 lakhs of the executives and workmen are on IDA pattern scales of pay. The remaining employees are on CDA pattern of pay scales.

### 5.5.2 Third Pay Revision Committee

The Government, after due consideration of the recommendations of the 3rd Pay Revision Committee headed by Justice (Rtd) Satish Chandra, issued guidelines vide DPE OM dated 03.08.2017, 04.08.2017 and 07.09.2017 regarding pay revision in respect of executives and non-unionized Supervisors of CPSEs following IDA pattern of pay scales w.e.f. 01.01.2017.

The salient features of 2017 pay revision are as follows:-

- (i) The range of Pay scales is from ₹ 30,000-1,20,000 for the lowest executive grade E-0 and to ₹ 2,00,000 to 3,70,000 for the highest executive grade for the Chief Executives of Schedule 'A' CPSEs.
- (ii) A uniform fitment benefit was granted @ 15% on basic pay plus DA @ 119.5% as on 01.01.2017.
- (iii) The rate of increment is to be @ 3% of basic pay.
- (iv) Perks and allowances are allowed upto the maximum of 35% of basic pay, with provision of 'Cafeteria Approach'. Location Based Compensatory Allowance, Work based Hardship duty Allowances and Non-Practicing Allowance alongwith recurring cost incurred on running and maintaining of infrastructure facilities like hospitals, colleges, schools etc are kept outside the ceiling of 35% of Basic Pay.
- (v) PRP model for the financial year 2017-18 and onwards would be changed. The PRP pay-out to the executives would be computed based on the three factors i.e. MOU rating of the CPSE, Team's Performance and Individual's Performance.
- (vi) Superannuation benefits are permissible upto 30% of basic pay + D.A. The existing criteria mentioned in 2007 pay guidelines, of 15 years of service in the CPSE for the Superannuation Benefits, has been dispensed with for the pension.
- (vii) Ceiling of gratuity in respect of executives and non-unionized supervisors has been raised to Rs 20.00 Lac w.e.f. 01.01.2017.
- (viii) The CPSEs are allowed to provide Board level executives with the Corporate Club Membership (upto maximum of two club) co-terminus with their tenure.
- (ix) The next pay revision would be take place in line with the periodicity as decided for Central Government employees but not later than 10 years.
- (x) Implementation of Pay Revision is linked to affordability of the CPSEs. The CPSEs have to bear the additional financial burden of pay revision from their own resources without any budgetary support.
- (xi) An Anomalies Committee comprising of the Secretaries of Departments of Public Enterprises, Expenditure and Personnel & Training has been constituted to look into further specific issues/problems that may arise in the implementation of Government orders on the Pay Revision.



- (xii) Enhanced allowances could be effective from the date of issue of Presidential Directive.
- (xiii) These benefits are to be extended to all CPSEs. Benefits as given in these O.Ms are to be viewed as a total package

### 5.5.3 Wage Revision for Workmen under IDA pattern

DPE vide O.Ms dated 9.11.2006, 01.05.2008 and 13.06.2013 had issued policy guidelines for the 7th Round of Wage Negotiations (generally effective from 01.01.2007/01.01.2012) with the unionized workmen of CPSEs. Recently, DPE vide OM dated 24.11.2017 has also issued policy guidelines for the 8th round of Wage Negotiations with the unionized workmen of CPSEs, w.e.f. 01.01.2017. Broadly similar to the earlier policy on the Wage Negotiations, the guidelines provide that administrative Ministries/Departments may take a decision on a case to case basis regarding the periodicity of wage settlement, which is to be below 10 years but not less than 5 years, with the approval of their Minister In-charge

### 5.5.4 Pay revision of employees under CDA Pattern in CPSEs

The pay scales and allowances of the employees of CPSEs following CDA pattern have been revised w.e.f. 01.01.2016 vide DPE O. Ms dated 17.08.2017. The benefit of pay revision was allowed to the employees of those CPSEs that are not loss making and are in a position to absorb the expenditure on account of pay revision from their own resources without any budgetary support from the Government.

### 5.5.5 Voluntary Retirement Scheme (VRS):

As a result of the restructuring in some Central Public Sector Enterprises (CPSEs), Government announced the Voluntary Retirement Scheme (VRS) in October, 1988. A comprehensive scheme was later notified by the Department of Public Enterprises in May, 2000. From the introduction of VRS Scheme in October, 1988, till March, 2017, approximately 6.25 lakh employees have been released under VRS.

VRS in CPSEs that can support the scheme on their own Enterprises, which are financially sound and can sustain VRS on their own, can frame their own schemes of VRS and make it attractive enough for employees to opt for it. They may offer as compensation upto 60 days salary (only Basic Pay +DA) for every completed year of service. Such compensation will, however, not exceed the salary for the balance period of the service left.

VRS in marginally profit or loss Making / sick /unviable CPSEs Marginally profit /loss making CPSEs as well as sick and unviable units may adopt either of the following models:

Gujarat Model, under which the compensation is computed by allowing 35 days salary for every completed year of service and 25 days for each year of the balance service left until superannuation subject to the condition that compensation shall not exceed the sum of salary for the balance period left for superannuation.

Department of Heavy Industry (DHI) model, under which ex-gratia payment made is equivalent to 45 days emoluments (Pay + DA) for each completed year of service or the total emoluments for the balance period of service, whichever is less. The employees who have completed not less than 30 years of service will be eligible for a maximum of 60 (sixty) months salary/wage as compensation and this will be subject to the amount not exceeding the salary/wage for the balance period of service left.

## 5.6 Employment in CPSEs:

As on 31.3.2017, the 331 CPSEs employed over 11.31 lakh people (excluding contract & casual workers). Around 3.70 lakhs of the manpower of CPSEs belongs to managerial and supervisory cadres. The CPSEs, thus, have a highly skilled workforce, which is one of their basic strengths. Total number of employees in CPSEs is declining every year since 2006-07 except during 2011-12, on other hand per capita emoluments has been increasing. The per capita emolument was ₹3,25,869/- per annum in 2006-07 and has increased to Rs12,41,417/- per annum in year 2016-17. The details of employment in CPSEs and per capita emoluments are shown in Table 5.1 below.



**Table 5.1 Employment and Average Annual Emoluments in CPSEs**

Year	Employees (in lakh) (Excluding contract workers)	Total Emoluments (in crore)	Per capita Emoluments (Rupees)
2006-07	16.14	52586	325869
2007-08	15.65	64306	410898
2008-09	15.33	83045	541716
2009-10	14.90	87792	589210
2010-11	14.40	98402	683347
2011-12	14.50	105648	728606
2012-13	14.02	116363	830263
2013-14	13.49	122322	906665
2014-15	12.91	127387	986598
2015-16	11.85	127182	1072920
2016-17	11.31	140384	1241417

### 5.6.1 Employment under Reserved Category:

The Personnel and Recruitment Policies in respect of appointments for below Board level posts are formulated by the management of respective Central Public Sector Enterprises (CPSEs). However, on matters of general importance, policy guidelines are issued by the Government of India to the enterprises which are to be kept in view by the latter while framing their individual corporate policies. Furthermore, formal Presidential Directives are issued to CPSEs by the concerned administrative Ministries to ensure reservation in regard to employment for Scheduled Castes, Scheduled Tribes and Other Backward Classes (OBCs), on similar lines as applicable in the Central Government Ministries/Departments. Through DPE OM dated 25.02.2015 it was decided that instructions as issued by Government in respect of reservations to SC/ST/OBC/Disability & Ex-servicemen are to be taken as mutatis mutandis extended to all the CPSEs concerned unless specified otherwise by DPE.

The present quota for providing reservation for candidates belonging to Scheduled Castes, Scheduled Tribes and OBCs as well as other categories of persons entitled to reservation of vacancies is shown below:

**Table 5.2: Quota for Reservation**

Category	Managerial / Executive Level / Supervisory Level	Workers Skilled	Workers Unskilled
Scheduled Castes (SC)		15%	
Scheduled Tribes (ST)		7.5%	
Other Backward Classes (OBC) (including sub-quota of 4.5% for minorities)		27%	
Physically Handicapped Persons (PH)		3%	
Ex-servicemen & Dependents of those killed in action	–	14.5%	24.5%

The need to ensure timely filling up of reserved posts and the backlog has been stressed through various instructions issued from time to time. All administrative Ministries/Departments have been requested to advise the CPSEs under their administrative control to take effective steps to fill up the unfilled reserved posts in Direct Recruitment as well as in Promotion in accordance with the existing instructions. Further, the DoPT has issued necessary instructions from time to time to launch Special Recruitment Drive(s) to fill up the backlog of reserved vacancies for SCs, STs & OBCs in CPSEs. DPE has also extended these instructions to all administrative Ministries/Departments dealing with CPSEs to fill up these vacancies in a time bound manner.

### 5.6.2 Reservation for SC/ST in CPSEs

A comprehensive Presidential Directive incorporating all important instructions on reservation for SCs and STs was issued by Department of Public Enterprises (DPE) to all the administrative Ministries/Departments concerned on 25th April, 1991 for formal issuance of the same to CPSEs. Necessary changes and modifications are also circulated to CPSEs through their administrative Ministries/Departments for information and compliance.

### 5.6.3 Reservation for OBC in CPSEs

Based on the recommendation of the Second Backward Classes Commission (Mandal Commission) and in accordance with the Supreme Court Judgement in the Indira Sawhney case, instructions were issued for providing reservation of 27% of vacancies in favour of Other Backward Classes (OBCs). The Department of Personnel & Training (DoPT) which formulates the policy in respect of reservation in services, has been issuing instructions from time to time on various aspects of reservation in favour of OBCs. Reservation for OBCs was made effective w.e.f. 8.9.1993. DPE has been extending these instructions to CPSEs through their administrative Ministries for compliance. A comprehensive Presidential Directive incorporating all instructions was forwarded by the Department of Public Enterprises to all administrative Ministries vide DPE OM dated 27th July, 1995 for formal issuance to the CPSEs under their control. DoPT instructions on allocation of a sub-quota of 4.5% for minorities within the 27% reservation for OBCs have been also extended vide DPE O.M. dated 2nd January, 2012 to the administrative Ministries/Departments for implementation in CPSEs under their jurisdiction.

### 5.6.4 Reservation for Persons with Disabilities (PwD)

DPE has issued a Presidential Directive on 11.3.1997 to all the administrative Ministries /

Departments concerned with the CPSEs in follow-up of DoPT instructions for employment of physically handicapped persons in CPSEs. With the enactment of the Persons with Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Act, 1995, the reservation to physically handicapped persons stood extended to identified Group 'A' and 'B' posts to be filled through Direct Recruitment. With the enactment of the Rights of Persons with Disabilities Act, 2016, not less than 4% posts shall be reserved for persons with Disabilities.

### 5.6.5 Reservation for Ex-servicemen

DPE has also extended instructions regarding the scheme for reservation for Ex-servicemen in CPSEs through the administrative Ministries/ Departments. Instructions streamlining the procedure for recruitment of Ex-servicemen have been also issued with a view to augment their intake in CPSEs. Such CPSEs, which are in a position to offer agencies/dealerships, have been advised to reserve quota of such agencies/dealership for allotment to Ex-servicemen.

### 5.6.6 Status of Reservation in CPSEs

The representation of SCs / STs / OBC as on 31.3.2017 in CPSEs based on the information provided by 257 operating CPSEs is shown in Table-5.3 below.

**Table 5.3: Status of Reservation in CPSEs**

Group	Total No. of Employees	Total Reservation (5+7+9)	%	Representation of SCs /STs / OBCs in CPSEs as on 31.03.2017					
				(3/2)	SCs No.	%	STs No.	%	OBCs No.
1	2	3	4	5	6	7	8	9	10
<b>Managerial/ Executives</b>	264648	99138	37.46	41236	15.58	15995	6.04	41907	15.83
<b>Supervisors</b>	104404	63764	61.07	24929	23.88	10808	10.35	28027	26.84
<b>Workers Skilled</b>	561938	254704	45.33	105262	18.73	50890	9.06	98552	17.54
<b>Workers Unskilled</b>	198271	110207	55.58	39918	20.13	27155	13.70	43134	21.76
<b>Total</b>	<b>1129261</b>	<b>527813</b>	46.74	211345	18.72	104848	9.28	211620	18.74

Note: Details are at Statement No.24 of volume-1

### 5.6.7 Women Employment in CPSEs:

The Personnel and Recruitment Policies in respect of appointments against below Board level posts are formulated by the management of respective CPSEs. Like in other sectors, women are employed in Central Public Sector Enterprises

also and their percentage of employment is about 10.20% as on 31.3.2017. The numbers of women employees in operating CPSEs in different groups / level such as managerial / executive level, supervisory level and workmen/clerical level during the last three years is shown in the Table (5.4) below.

**Table 5.4: Women Employment in CPSEs**

	Total Employees			Total female Employees			Female Employees as % of Total		
	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
<b>Managerial/ Executives</b>	264497	262665	264648	26661	27010	28631	10.08	10.28	10.82
<b>Supervisors</b>	130208	117487	104404	9506	8297	10308	7.30	7.06	9.87
<b>Workers</b>	896469	803681	760209	85907	80011	76299	9.58	9.96	10.04
<b>Total</b>	<b>1291174</b>	<b>1183833</b>	<b>1129261</b>	<b>122074</b>	<b>115318</b>	<b>115238</b>	<b>9.45</b>	<b>9.74</b>	<b>10.20</b>

It is evident from the above table that Women employment in CPSEs during last three years has been between 10% approximately. CPSEs are providing maternity benefits to eligible women employees as per Maternity Benefit Act 1961. Also, the CPSEs have formed Internal Committees in respect of implementation of the Sexual Harassment of Women at Workplace. (Prevention, Prohibition and Redressal Act), 2013.

### 5.6.8 Scheme of Counselling, Retraining and Redeployment (CRR):

The Scheme for Counselling, Retraining and Redeployment (CRR) of Rationalized Employees of CPSEs is being implemented by Department of Public Enterprises since 2001-02. CRR Scheme was modified in November, 2007 in order to widen its scope and coverage. One dependent of VRS optee is also eligible in case the VRS optee himself/herself is not interested. The Scheme has been subsequently modified in February, 2016 in order to broaden the network of Training Providers and also to follow standardized methodology of training, design and delivery.

The scheme for Counselling, Retraining and Redeployment (CRR) inter-alia aims to:

- reorient rationalized employees through short duration training programmes.
- equip them for new vocations.
- engage them in income generating self-employment.
- help them rejoin the productive process.

The main elements of the CRR programme are Counselling, Retraining and Redeployment.

**Counselling :** Counselling is the basic pre-requisite of the rehabilitation programme of the separated employees. The separated employee needs psychological counselling to absorb the distress of loss of assured livelihood and to face the new challenges and also needs support to plan his compensation amount prudently. He also needs to be made aware of the new environment of market opportunities so that he may, depending upon his aptitude and expertise, take up economic activities and continue to be in the production process. **Retraining:** The objective of

such training is to help the separated employees for rehabilitation. The trainees will be helped to acquire necessary skills/expertise/orientation to start new avocations and re-enter the productive process after loss of their jobs. These training programmes will be short duration programmes according to the trade decided during counselling. **Redeployment:** It will be the endeavor to redeploy such rationalized employees in the production process through the counselling and retraining efforts. At the end of the programme, VRS/VSS optees/dependents should be able to engage themselves in alternate vocations of self/wage employment. Although there cannot be any guarantee that the separated employee will be assured of alternate employment, yet possible help from the identified nodal training agencies as well as from the CPSEs concerned would be extended to them for starting new avocations.

CPSEs are the key to the success of the scheme. They are expected to extend all possible support for the welfare of the separated employees by clearing their compensation/dues before release. Long association with employees puts CPSEs in a better position to identify their retraining needs.

CRR Scheme is being implemented in collaboration with National Skill Development Corporation (NSDC) under Ministry of Skill Development & Entrepreneurship (MSDE). MoU between DPE, MSDE and NSDC was signed on 28.09.2016 for implementation of the scheme during the year 2016-17. NSDC being a facilitator will ensure that all training programmes identified are as per Qualification Pack (QP) / National Occupational Standard (NOS), standards set forth by the Sector Skills Council (SSC) resulting in certification as per certification standards.

During the year 2016-17, an allocation of ₹ 2.42 crore (RE) was made for the CRR scheme. Against a target for coverage of 2000 VRS/VSS optees/dependents, 1576 candidates were trained and 887 redeployed (self/wage employment). During the year, skill training was imparted at 24 locations by 6 empanelled Training Partners/ Agencies across the country.

Year wise number of persons trained under the scheme is shown as under:-

Year	Number of VRS optees trained
2001-02	8064
2002-03	12066
2003-04	12134
2004-05	28003
2005-06	32158
2006-07	34398
2007-08	9728
2008-09	9772
2009-10	7400
2010-11	9265
2011-12	9400
2012-13	7506
2013-14	3230
2014-15	2525
2015-16	3150
2016-17	1576
<b>Total</b>	<b>1,90,375</b>

### 5.7 Corporate Social Responsibility of CPSEs:

As per Section-135 of Companies Act, 2013, all profit making corporates, including Central Public Sector Enterprises (CPSEs) exceeding threshold limits prescribed in the Act regarding net worth of ₹ 500 crore, or turnover of ₹ 1000 crore or net profit of ₹ 5 crore in pursuance of its CSR Policy are mandated to spend at least 2% of the average net profits (Profit Before Tax) of the company made during the three immediately preceding years for undertaking CSR activities as per items listed in Schedule-VII of the Act.

Every company qualifying threshold limits will constitute a Corporate Social Responsibility (CSR) Committee of the Board consisting of three or more Directors, out of which at least one Director shall be an independent Director. The CSR Committee shall formulate and recommend to the Board a CSR Policy which shall indicate the activities to be undertaken by the company as specified in Schedule-VII ; recommend the amount of expenditure on the activities selected to undertaken CSR; and monitor the CSR Policy of the company from item to time. The Board of every such CPSE will, after taking into account the recommendations made by CSR Committee, approve



the CSR Policy for the company, disclose contents of such policy in its report and place it on the company's website. CSR Committee will also ensure that the company undertakes the activities included in CSR Policy of the company and undertaken by the CPSEs.

As per the provisions in Section 135 (5) of the Act, the company shall give preference to the local area and areas around it where it operates, for spending the amount earmarked for Corporate Social Responsibility activities.

In case the company fails to spend two percent of the average net profit of the last three financial years or any part thereof, the company shall provide reasons for not spending the amount in its Board's Report made under Clause (o) of sub-section (3) of Section 134. The Board's Report of a company covered under CSR Rules pertaining to a financial year commencing on or after the first day of April, 2014 shall include an annual report on CSR containing particulars as specified in Annexure to the CSR Rules. CPSEs with the approval of the Board may decide to carry forward the unspent CSR amount of a financial year to spend the same in next year in performing CSR activities.

### 5.7.1 The Companies (CSR Policy) Rules, 2014

The Companies (Corporate Social Responsibility Policy) Rules, 2014 were notified on 27th February, 2014, and came into force from 01.04.2014. CSR Rules, 2014 are mandatory in nature and are to be complied with by all companies, including CPSEs from 2014-15.

### 5.7.2 List of Activities specified in Schedule-VII of the Act

The list of activities which can be undertaken by a company under CSR have been specified in Schedule VII of the Act. The Schedule has since been amended three times. The updated list under Schedule VII is provided below:

- a) eradicating hunger, poverty and malnutrition; promoting health care including preventive health care and sanitation including contribution to

the 'Swachh Bharat Kosh' set-up by the Central Government for the promotion of sanitation and making available safe drinking water;

- b) promoting education, including special education and employment enhancing vocational skills especially among children, women, elderly, and the differently abled and livelihood enhancement projects;
- c) promoting gender equality and empowering women, setting up homes and hostels for women and orphans; setting up old age homes, day care centers and such other facilities for senior citizens and measures for reducing inequalities faced by socially and economically backward groups;
- d) ensuring environmental sustainability, ecological balance, protection of flora and fauna, animal welfare, agro forestry, conservation of natural resources and maintaining quality of soil, air and water including contribution to the 'Clean Ganga Fund' set-up by the Central Government for rejuvenation of river Ganga;
- e) protection of national heritage, art and culture including restoration of building and sites of historical importance and works of art; setting up public libraries; promotion and development of traditional arts and handicrafts;
- f) measures for the benefit of armed forces veterans, war widows and their dependents;
- g) training to promote rural sports, nationally recognized sports, Paralympic sports and Olympic sports;
- h) contribution to the Prime Minister's National Relief Fund or any other fund set up by the Central Government for socio-economic development and relief and welfare of the Scheduled Castes, the Scheduled Tribes, other backward classes, minorities and women;
- i) contributions or funds provided to technology incubators located within academic institutions which are approved by the Central Government;
- j) rural development projects.
- k) slum area development.



### 5.7.3 CSR expenditure by CPSEs during 2016-17

During the year 2016-17, 129 CPSEs have spent ₹3,336.50 crore on CSR activities out of the allocated amount of ₹ 4933.10 crore (including the amount

carried forward from previous year) for the purpose. However, 2% of PBT for these CPSEs stands at ₹3,528.59 crore. Details on CSR expenditure by these CPSEs are given in table 5.5 below.

**Table 5.5 : CSR expenditure by CPSEs during 2016-17**

(₹ in crore)						
Sr. No.	CPSEs NAME	Average PBT of last 3 years	2% of Average PBT of last 3 Years	Amount allocated for CSR (including Carried forward, if any)	Actual CSR spent	Unspent CSR amount
1	AIRPORTS AUTHORITY OF INDIA	3084.77	61.70	120.20	60.19	60.01
2	ANDREW YULE & COMPANY LTD.	16.20	0.32	0.28	0.28	0.00
3	ANTRIX CORPORATION LTD.	310.35	6.21	17.65	4.94	12.71
4	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	36.44	0.73	1.30	0.00	1.30
5	BALMER LAWRIE & CO. LTD.	223.42	4.47	4.13	4.13	0.00
6	BALMER LAWRIE INVESTMENTS LTD.	37.14	0.74	0.11	0.11	0.00
7	BEML LTD.	31.30	0.63	0.63	3.51	0.00
8	BHARAT COKING COAL LTD.	1282.97	25.66	26.85	11.45	15.40
9	BHARAT DYNAMICS LTD.	656.70	13.13	24.99	12.73	12.26
10	BHARAT ELECTRONICS LTD.	1457.85	29.16	55.78	24.55	31.23
11	BHARAT HEAVY ELECTRICALS LTD.	1996.71	39.93	126.48	72.58	53.90
12	BHARAT PETROLEUM CORPN. LTD.	7918.51	158.37	218.21	90.98	127.23
13	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	-0.06	0.00	0.30	0.29	0.01
14	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	70.46	1.41	1.41	1.41	0.00
15	BRIDGE & ROOF CO.(INDIA) LTD.	13.29	0.27	0.31	0.32	0.00
16	CENTRAL COALFIELDS LTD.	2791.61	55.83	55.90	30.29	25.61
17	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	0.99	0.02	0.02	0.02	0.00
18	CENTRAL ELECTRONICS LTD.	6.44	0.13	0.13	0.04	0.00
19	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	29.76	0.60	1.20	1.35	0.00
20	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	23.11	0.46	0.34	0.31	0.03
21	CENTRAL WAREHOUSING CORPN.	266.70	5.33	5.37	5.14	0.23

(₹ in crore)

Sr. No.	CPSEs NAME	Average PBT of last 3 years	2% of Average PBT of last 3 Years	Amount allocated for CSR (including Carried forward, if any)	Actual CSR spent	Unspent CSR amount
22	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	12.63	0.25	0.25	0.27	0.00
23	CHENNAI PETROLEUM CORPORATION LTD.	-104.90	-2.10	1.88	1.88	0.00
24	COAL INDIA LTD.	15280.19	305.60	127.34	128.05	0.00
25	COCHIN SHIPYARD LTD.	359.39	7.19	10.87	7.24	3.63
26	CONTAINER CORPORATION OF INDIA LTD.	1295.55	25.91	24.26	24.45	0.00
27	COTTON CORPN. OF INDIA LTD.	29.16	0.58	0.63	0.63	0.00
28	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	24.95	0.50	1.98	1.98	0.00
29	DREDGING CORPN. OF INDIA LTD.	49.78	1.00	2.94	1.78	1.16
30	E. C. G. C. LTD.	393.86	7.88	10.34	5.03	5.31
31	EASTERN COALFIELDS LTD.	1401.63	28.03	29.19	21.62	7.57
32	EdCIL(India) Ltd.	22.72	0.45	0.45	0.46	0.00
33	ELECTRONICS CORPN. OF INDIA LTD.	71.51	1.43	1.44	1.60	0.00
34	ENGINEERING PROJECTS (INDIA) LTD.	35.17	0.70	0.19	0.17	0.02
35	ENGINEERS INDIA LTD.	528.46	10.57	37.83	11.00	26.83
36	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	50.55	1.01	1.01	1.01	0.00
37	FERRO SCRAP NIGAM LTD.	32.86	0.66	0.51	0.50	0.01
38	GAIL (INDIA) LTD.	4582.88	91.66	118.93	123.58	0.00
39	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	170.80	3.42	3.40	4.55	0.00
40	GOA SHIPYARD LTD.	33.69	0.67	0.67	3.47	0.00
41	HINDUSTAN AERONAUTICS LTD.	3319.06	66.38	66.92	67.96	0.00
42	HINDUSTAN COPPER LTD.	183.69	3.67	7.38	5.15	2.23
43	HINDUSTAN PETROLEUM CORPN. LTD.	4182.09	83.64	107.90	108.11	0.00
44	HINDUSTAN PREFAB LTD.	6.69	0.13	0.13	0.13	0.00
45	HINDUSTAN STEELWORKS COSTN. LTD.	6.78	0.14	0.06	0.00	0.06
46	HLL LIFECARE LTD.	36.63	0.73	0.80	0.86	0.00
47	HOUSING & URBAN DEV. CORPN. LTD.	1117.46	22.35	59.80	5.69	54.11
48	HSCC (INDIA) LTD.	53.98	1.08	2.15	1.91	0.24

(₹ in crore)

Sr. No.	CPSEs NAME	Average PBT of last 3 years	2% of Average PBT of last 3 Years	Amount allocated for CSR (including Carried forward, if any)	Actual CSR spent	Unspent CSR amount
49	INDIA INFRASTRUCTURE FINANCE CO. LTD.	1038.63	20.77	20.79	20.79	0.00
50	INDIA TOURISM DEV. CORPN. LTD.	27.77	0.56	0.73	0.75	0.00
51	INDIA TRADE PROMOTION ORGANISATION	183.91	3.68	6.22	2.93	3.29
52	INDIAN OIL CORPORATION LTD.	11582.45	231.65	217.10	213.99	3.11
53	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	217.89	4.36	4.60	4.60	0.00
54	INDIAN RAILWAY FINANCE CORPORATION LTD.	1812.04	36.24	36.23	15.71	20.52
55	INDIAN RARE EARTHS LTD.	-12.94	-0.26	0.22	0.58	0.00
56	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	378.83	7.58	18.42	4.61	13.81
57	IRCON INFRASTRUCTURE & SERVICES LTD.	18.77	0.38	0.02	0.02	0.00
58	IRCON INTERNATIONAL LTD.	898.57	17.97	6.80	5.89	0.91
59	KAMARAJAR PORT LTD.	423.32	8.47	8.48	8.43	0.05
60	KANTI BIJLEE UTPADAN NIGAM LTD.	-10.41	-0.21	0.12	0.02	0.10
61	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	19.86	0.40	0.40	0.40	0.00
62	KARNATAKA TRADE PROMOTION ORGANISATION	8.29	0.17	0.17	0.03	0.14
63	KIOCL LTD.	-88.93	-1.78	0.43	0.38	0.05
64	KONKAN RAILWAY CORPORATION LTD.	62.15	1.24	1.80	0.70	1.10
65	M M T C LTD.	44.08	0.88	0.81	0.81	0.00
66	M S T C LTD.	38.59	0.77	0.80	0.80	0.00
67	MAHANADI COALFIELDLS LTD.	5669.48	113.39	113.36	166.60	0.00
68	MANGALORE REFINERY & PETROCHEMICALS LTD.	-1.96	-0.04	5.00	1.45	3.55
69	MAZAGON DOCK SHIPBUILDERS LTD.	754.30	15.09	15.20	13.65	1.55
70	MECON LTD	-24.13	-0.48	2.70	0.67	2.03
71	MINERAL EXPLORATION CORPN. LTD.	82.73	1.65	1.65	1.70	0.00
72	MISHRA DHATU NIGAM LTD.	140.60	2.81	2.80	2.88	0.00
73	MOIL LTD.	563.39	11.27	0.11	0.11	0.00

(₹ in crore)

Sr. No.	CPSEs NAME	Average PBT of last 3 years	2% of Average PBT of last 3 Years	Amount allocated for CSR (including Carried forward, if any)	Actual CSR spent	Unspent CSR amount
74	MUMBAI RAILWAY VIKAS CORPORATION LTD.	33.26	0.67	1.88	1.45	0.43
75	NATIONAL ALUMINIUM COMPANY LTD.	1406.63	28.13	27.56	30.01	0.00
76	NATIONAL BACKWARD CLASSES FINANCE & DEVPCO.	27.01	0.54	1.09	0.04	1.05
77	NATIONAL FERTILIZERS LTD.	57.33	1.15	5.12	2.62	2.50
78	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	31.32	0.63	1.00	1.00	0.00
79	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	28.67	0.57	2.04	0.00	2.04
80	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	27.42	0.55	1.31	0.48	0.83
81	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	8.66	0.17	0.44	0.04	0.40
82	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	36.78	0.74	0.74	0.97	0.00
83	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	20.69	0.41	0.95	0.17	0.78
84	NATIONAL SEEDS CORPN. LTD.	64.64	1.29	2.63	1.09	0.84
85	NATIONAL SMALL INDUSTRIES CORPN. LTD.	134.75	2.70	2.68	2.74	0.00
86	NBCC (INDIA) LTD.	377.93	7.56	7.74	8.73	0.00
87	NHDC LTD.	1061.72	21.23	38.07	13.76	24.31
88	NHPC LTD.	2529.91	50.60	75.82	75.82	0.00
89	NLC INDIA LTD.	1847.26	36.95	43.46	37.19	6.27
90	NMDC Ltd.	7874.06	157.48	248.32	174.18	74.14
91	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	381.22	7.62	7.69	6.07	1.62
92	NORTHERN COALFIELDS LTD.	3727.35	74.55	77.33	77.33	0.00
93	NTPC LTD.	11682.36	233.65	227.85	277.81	0.00
94	NTPC VIDYUT VYAPAR NIGAM LTD.	79.34	1.59	2.81	2.08	0.73
95	NUCLEAR POWER CORPN. OF INDIA LTD.	3038.01	60.76	60.79	71.68	0.00
96	NUMALIGARH REFINERY LTD.	1186.92	23.74	25.66	20.69	4.97
97	OIL & NATURAL GAS CORPORATION LTD.	27528.67	550.57	1153.38	525.90	627.48

(₹ in crore)

Sr. No.	CPSEs NAME	Average PBT of last 3 years	2% of Average PBT of last 3 Years	Amount allocated for CSR (including Carried forward, if any)	Actual CSR spent	Unspent CSR amount
98	OIL INDIA LTD.	3859.90	77.20	107.42	108.37	0.00
99	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	20.65	0.41	0.71	0.13	0.58
100	P E C LTD.	-439.95	-8.80	0.50	0.24	0.26
101	PFC CONSULTING LTD.	43.76	0.88	1.25	1.24	0.01
102	PFC GREEN ENERGY LTD.	26.92	0.54	0.54	0.54	0.00
103	POWER FINANCE CORPORATION LTD.	8332.40	166.65	268.31	168.11	100.20
104	POWER GRID CORPORATION OF INDIA LTD.	6697.88	133.96	270.65	147.27	123.38
105	POWER SYSTEM OPERATION CORPORATION LTD.	83.98	1.68	1.61	1.61	0.00
106	RAIL VIKAS NIGAM LTD.	267.78	5.36	5.30	6.12	0.00
107	RAILTEL CORPORATION INDIA LTD.	176.37	3.53	3.59	3.59	0.00
108	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	19.54	0.39	0.77	0.59	0.18
109	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	380.73	7.61	8.61	8.63	0.00
110	RASHTRIYA ISPAT NIGAM LTD.	-349.77	-7.00	13.75	8.53	5.22
111	REC POWER DISTRIBUTION CO. LTD.	52.71	1.05	1.15	0.53	0.62
112	REC TRANSMISSION PROJECTS CO. LTD.	48.88	0.98	0.98	0.98	0.00
113	BITES LTD.	452.58	9.05	9.20	9.20	0.00
114	RURAL ELECTRIFICATION CORPN. LTD.	7334.46	146.69	146.57	69.80	76.77
115	SAIL REFRACTORY COMPANY LTD.	28.50	0.57	0.57	0.57	0.00
116	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	125.52	2.51	1.38	1.38	0.00
117	SHIPPING CORPORATION OF INDIA LTD.	281.39	5.63	3.19	3.19	0.00
118	SJVN LTD.	1696.55	33.93	37.16	37.16	0.00
119	SOLAR ENERGY CORPORATION OF INDIA	13.41	0.27	0.29	0.29	0.00
120	SOUTH EASTERN COALFIELDS LTD.	6003.69	120.07	228.85	42.50	186.35
121	STATE TRADING CORPN. OF INDIA LTD.	-146.09	-2.92	0.22	0.07	0.15
122	STEEL AUTHORITY OF INDIA LTD.	-474.68	-9.49	28.14	29.05	0.00
123	TAMIL NADU TRADE PROMOTION ORGANISATION	24.15	0.48	0.48	0.48	0.00



(₹ in crore)

Sr. No.	CPSEs NAME	Average PBT of last 3 years	2% of Average PBT of last 3 Years	Amount allocated for CSR (including Carried forward, if any)	Actual CSR spent	Unspent CSR amount
124	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	36.13	0.72	0.73	0.65	0.08
125	THDC INDIA LTD.	767.61	15.35	15.28	15.33	0.00
126	THE JUTE CORPN. OF INDIA LTD.	16.95	0.34	0.51	0.34	0.17
127	URANIUM CORPORATION OF INDIA LTD.	60.73	1.21	1.98	1.98	0.00
128	WAPCOS LTD.	114.25	2.29	2.29	3.17	0.00
129	WESTERN COALFIELDS LTD.	421.62	8.43	8.96	10.81	0.00
<b>Total:</b>		<b>1764.30</b>	<b>3528.59</b>	<b>4933.10</b>	<b>3336.50</b>	<b>1733.66</b>

## 5.8 Delegation of Enhanced Financial Powers to CPSEs:

The Board of Directors of a CPSE exercises the delegated powers subject to broad policy guidelines issued by Government from time to time. The Government has granted enhanced powers to the Boards of Maharatna, Navratna, Miniratna and other profit making enterprises.

### 5.8.1 Maharatna Scheme

The Government introduced Maharatna scheme in February, 2010 with the objective to delegate enhanced powers to the Boards of identified large sized Navratna CPSEs so as to facilitate expansion of their operations, both in domestic as well as global markets.

**A. Eligibility Criteria:-**The CPSEs fulfilling the following criteria are eligible to be considered for grant of Maharatna status:-

- Having Navratna status
- Listed on Indian stock exchange, with minimum prescribed public shareholding under SEBI regulations
- An average annual turnover during the last 3 years of more than ₹25,000 crore

- An average annual net worth during the last 3 years of more than ₹15,000 crore
- An average annual net profit after tax during the last 3 years of more than ₹5,000 crore
- Significant global presence or international operations.

**B. Delegation of powers to Maharatna CPSEs :-** The Maharatna CPSEs in addition to having Navratna powers have been delegated additional powers in the area of investment in joint ventures/ subsidiaries and human resources development. The Maharatna CPSEs can invest ₹ 5,000 crore in one project (₹ 1,000 crore for Navratna CPSEs) and create below Board level posts upto E-9 level (E-6 for Navratna CPSEs).

**C. Names of Maharatna CPSEs :-** The Government has granted Maharatna status to 7 CPSEs namely, (i) Bharat Heavy Electricals Limited, (ii) Coal India Limited, (iii) GAIL (India) Limited, (iv) Indian Oil Corporation Limited, (v) NTPC Limited, (vi) Oil & Natural Gas Corporation Limited and (vii) Steel Authority of India Limited.

**D. Review of performance of Maharatna CPSEs:-** During the year 2016-17, the Inter Ministerial Committee reviewed the performance of three Maharatna CPSEs, viz. Coal India Limited, Bharat Heavy Electricals Limited and Steel Authority of India Limited.

### 5.8.2 Navratna scheme

The Government introduced the Navratna scheme in July, 1997 to identify and delegate enhanced powers to CPSEs having comparative advantage and the potential to become global players.

**A. Eligibility Criteria** As per the criteria laid down by the Government, Miniratna Category – 1 and Schedule ‘A’ CPSEs, which have obtained ‘excellent’ or ‘very good’ rating under the Memorandum of Understanding system in three of the last five years, and have a composite score of 60 or above in six selected performance parameters are eligible to be considered for grant of Navratna status.

#### **B. Delegation of Powers to Navratna CPSEs**

The powers delegated to the Boards of Navratna CPSEs are as under:

- (i) **Capital Expenditure:** -The Navratna CPSEs have the powers to incur capital expenditure on purchase of new items or for replacement, without any monetary ceiling.
- (ii) **Technology Joint Ventures and Strategic Alliances:** -The Navratna CPSEs have the powers to enter into technology joint ventures or strategic alliances and obtain, by purchase or other arrangements, technology and know-how.
- (iii) **Organization Restructuring:-** The Navratna CPSEs have the powers to effect organizational restructuring including establishment of profit centers, opening of offices in India and abroad, creating new activity centers, etc.
- (iv) **Human Resources Management:-** The Navratna CPSEs have been empowered to create and wind up all posts up to E-6 level and make all appointments up to this level. The Boards of these CPSEs have further been empowered

to effect internal transfers and re-designation of posts. The Board of Directors of Navratna CPSEs have the power to further delegate the powers relating to Human Resource Management (appointments, transfer, posting, etc.) of below Board level executives to sub-committees of the Board or to executives of the CPSE, as may be decided by the Board of the CPSE.

- (v) **Resource Mobilization:** - These CPSEs have been empowered to raise debt from the domestic capital markets and for borrowings from international market, subject to condition that approval of RBI/Department of Economic Affairs, as may be required, should be obtained through the administrative Ministry.
- (vi) **Joint ventures and Subsidiaries :-** The Navratna CPSEs have been delegated powers to establish financial joint ventures and wholly owned subsidiaries in India or abroad with the stipulation that the equity investment of the CPSE should be limited to the following: -
  - i. ₹ 1000 crore in any one project,
  - ii. 15% of the net worth of the CPSE in one project,
  - iii. 30% of the net worth of the CPSE in all joint ventures/ subsidiaries put together.
- (vii) **Mergers and acquisitions:-** The Navratna CPSEs have been delegated powers for mergers and acquisitions subject to the conditions that (i) it should be as per the growth plan and in the core area of functioning of the CPSE, (ii) conditions/ limits would be as in the case of establishing joint ventures/subsidiaries, and (iii) the Cabinet Committee on Economic Affairs would be kept informed in case of investments abroad. Further, the powers relating to Mergers and Acquisitions are to be exercised in such a manner that it should not lead to any change in the public sector character of the concerned CPSEs.
- (viii) **Creation/Disinvestment in subsidiaries:-** The Navratna CPSEs have powers to transfer assets, float fresh equity and divest shareholding in subsidiaries subject to the condition that the delegation will be in respect of subsidiaries set

up by the holding company under the powers delegated to the Navratna CPSEs and further to the proviso that the public sector character of the concerned CPSE (including subsidiary) would not be changed without prior approval of the Government and such Navratna CPSEs will be required to seek Government approval before exiting from their subsidiaries.

- (ix) **Tours abroad of functional Directors:** - The Chief Executives of Navratna CPSEs have been delegated powers to approve business tours abroad of functional directors up to 5 days' duration (other than study tours, seminars, etc.) in emergency under intimation to the Secretary of the administrative Ministry.

The above mentioned delegation of powers is subject to the following conditions and guidelines:-

- a) The proposals must be presented to the Board of Directors in writing and reasonably well in advance, with an analysis of relevant factors and quantification of the anticipated results and benefits. Risk factors if any, must be clearly brought out.
- b) The Government Directors, the Financial Directors and the concerned Functional Director(s) must be present when major decisions are taken, especially when they pertain to investments, expenditure or organizational/capital restructuring.
- c) The decisions on such proposals should, preferably, be unanimous.
- d) In the event of any decision on important matters not being unanimous, a majority decision may be taken, but at least two thirds of the Directors should be present, including those mentioned in (b) above, when such a decision is taken. The objections, dissents, the reasons for over-ruling them and those for taking the decision should be recorded in writing and minuted.
- e) No financial support or contingent liability on the part of the Government should be involved.
- f) These CPSEs will establish transparent and effective systems of internal monitoring, including the establishment of an Audit Committee of

the Board with membership of non-official Directors.

- g) All the proposals, where they pertain to capital expenditure, investment or other matters involving substantial financial or managerial commitments or where they would have a long term impact on the structure and functioning of the CPSE, should be prepared by or with the assistance of professionals and experts and should be appraised, in suitable cases, by financial institutions or reputed professional organizations with expertise in the areas. The financial appraisal should also preferably be backed by an involvement of the appraising institutions through loans or equity participation.
- h) The exercise of authority to enter into technology joint ventures and strategic alliances shall be in accordance with the Government guidelines as may be issued from time to time.
  - i) The Boards of these CPSEs should be restructured by inducting at least four non-official Directors as the first step before the exercise of the enhanced delegation of authority.
  - j) These public sector enterprises shall not depend upon budgetary support or Government guarantees. The resources for implementing their programmes should come from their internal or through other sources, including the capital markets. However, wherever Government guarantee is required under the standard stipulations of external donor agencies, the same may be obtained from the Ministry of Finance through the administrative Ministry. Such Government guarantee shall not affect the Navratna status. Further, budgetary support to implement Government sponsored projects of national interest and Government sponsored Research & Development projects will not disqualify CPSEs from retaining their Navratna status. However, for such projects, investment decisions will be taken by the Government and not by the CPSE concerned

### C. Names of Navratna CPSEs-

There were seventeen Navratna CPSEs as on 31.3.2017, viz. (i) Container Corporation of India

Limited, (ii) Bharat Electronics Limited, (iii) Bharat Petroleum Corporation Limited, (iv) Engineers India Limited, (v) Hindustan Aeronautics Limited, (vi) Hindustan Petroleum Corporation Limited, (vii) Mahanagar Telephone Nigam Limited, (viii) National Aluminium Company Limited, (ix) National Buildings Construction Corporation Limited, (x) Neyveli Lignite Corporation Limited, (xi) NMDC Limited, (xii) Oil India Limited, (xiii) Power Finance Corporation Limited, (xiv) Power Grid Corporation of India Limited, (xv) Rashtriya Ispat Nigam Limited, (xvi) Rural Electrification Corporation Limited and (xvii) Shipping Corporation of India Limited.

**D. Review of performance of Navratna CPSEs:-** During the year 2016-17, the Inter-Ministerial Committee reviewed the performance of nine Navratna CPSEs i.e. (i) Bharat Petroleum Corporation Limited, (ii) Container Corporation of India Limited, (iii) National Buildings Construction Corporation Limited, (iv) Rural Electrification Corporation Limited, (v) Engineers India Limited, (vi) National Aluminium Company Limited, (vii) Mahanagar Telephone Nigam Limited, (viii) Rashtriya Ispat Nigam Limited and (ix) Shipping Corporation of India Limited.

### 5.8.3 Miniratna scheme

In October 1997, the Government, in order to make promising profit making CPSEs more efficient and competitive, decided to grant enhanced autonomy and delegation of financial powers subject to certain eligibility conditions and guidelines to make them efficient and competitive. These companies, called Miniratnas, are in two categories, namely, Category-I and Category-II.

#### A. Eligibility Criteria for Miniratna Status

- (i) **Category-I CPSEs** should have made profit in the last three years continuously, the pre-tax profit should have been ₹30 crores or more in at least one of the three years and should have a positive net worth.
- (ii) **Category-II CPSEs** should have made profit for the last three years continuously and should have a positive net worth.

- (iii) These CPSEs shall be eligible for enhanced delegated powers provided they have not defaulted in the repayment of loans/interest on any loans due to the Government.
- (iv) These public sector enterprises shall not depend upon budgetary support or Government guarantees.
- (v) The Boards of these CPSEs should be restructured by inducting at least three non-official Directors as the first step before the exercise of enhanced delegation of authority.
- (vi) The administrative Ministry concerned shall decide whether a Public Sector Enterprise fulfilled the requirements of a Category-I/Category-II company before the exercise of enhanced powers.

#### B. Delegation of Powers to Miniratna CPSEs:

The delegation of decision-making authority available at present to the Boards of these Miniratna CPSEs is as follows:

##### (i) Capital Expenditure

- (a) For CPSEs in category I: The power to incur capital expenditure on new projects, modernization, purchase of equipment, etc., without Government approval up to ₹ 500 crore or equal to net worth, whichever is less.
- (b) For CPSEs in category II: The power to incur capital expenditure on new projects, modernization, purchase of equipment, etc., without Government approval up to ₹ 250 crore or equal to 50% of the Net worth, whichever is less.

##### (ii) Joint ventures and subsidiaries:

- (a) Category I CPSEs: To establish joint ventures and subsidiaries in India with the stipulation that the equity investment of the CPSE in any one project should be limited to 15% of the net worth of the CPSE or ₹ 500 crore, whichever is less. The overall ceiling on such investment in all projects put together is 30%



of the net worth of the CPSE.

- (b) Category II CPSEs: To establish joint ventures and subsidiaries in India with the stipulation that the equity investment of the CPSE in any one project should be 15% of the net worth of the CPSE or ₹ 250 crore, whichever is lesser. The overall ceiling on such investment in all projects put together is 30% of the networth of the CPSE.

**(iii) Mergers and acquisitions:** - The Board of Directors of these CPSEs have the powers for mergers and acquisitions, subject to the conditions that (a) it should be as per the growth plan and in the core area of functioning of the CPSE, (b) conditions/limits would be as in the case of establishing joint ventures/subsidiaries, and (c) the Cabinet Committee on Economic Affairs would be kept informed in case of investments abroad. Further, the powers relating to Mergers and Acquisitions are to be exercised in such a manner that it should not lead to any change in the public sector character of the concerned CPSEs.

**(iv) Scheme for HRD:** -To structure and implement schemes relating to personnel and human resource management, training, voluntary or compulsory retirement schemes, etc. The Board of Directors of these CPSEs have the power to further delegate the powers relating to Human Resource Management (appointments, transfer, posting, etc.) of below Board level executives to sub-committees of the Board or to executives of the CPSE, as may be decided by the Board of the CPSE.

**(v) Tour abroad of functional Directors:** - The Chief Executive of these CPSEs have the power to approve business tours abroad of functional directors up to 5 days' duration (other than study tours, seminars, etc.) in emergency, under intimation to the Secretary of the administrative Ministry.

**(vi) Technology Joint Ventures and Strategic Alliances:**-To enter into technology joint ventures,

strategic alliances and to obtain technology and know-how by purchase or other arrangements, subject to Government guidelines as may be issued from time to time.

**(vii) Creation/Disinvestment in subsidiaries :-** To transfer assets, float fresh equity and divest shareholding in subsidiaries subject to the condition that the delegation will be in respect of subsidiaries set up by the holding company under the powers delegated to the Miniratna CPSEs and further to the proviso that the public sector character of the concerned CPSE (including subsidiary) would not be changed without prior approval of the Government, and such Miniratna CPSEs will be required to seek Government approval before exiting from their subsidiaries.

The above delegation of powers is subject to similar conditions as are applicable to Navratna CPSEs

### C. List of Miniratna CPSEs-

As on September, 2017, there are 74 Miniratna CPSEs (59 Category-I and 15 Category-II). The list of these 74 Miniratna CPSEs is enclosed at **Annex 5.3.**

On the basis of recommendations of NITI Aayog and decision taken in the meeting taken by Principal Secretary to the Prime Minister on 27th June, 2016, the revised procedure for exercise of delegated power to establish financial joint ventures and subsidiaries by the Boards of Maharatna, Navratna and Miniratna CPSEs was notified to all administrative Ministries/ Departments and concerned stakeholders.

### 5.9 MoU System in CPSEs:

MoU is a negotiated agreement and contract between the Administrative Ministry/ Department / Holding CPSE i.e. majority shareholder and the Management of the Central Public Sector Enterprise (CPSE) on selected parameters having targets decided normally before the start of a new financial year and results evaluated after the end of the year to measure the performance.



The Government of India introduced the system of MoU in the year 1986, based on recommendations given by Arjun Sen Gupta Committee report (1984). The report recommended that the CPSEs should enter into agreements with their Administrative Ministries for five years, with progress to be reviewed annually. The MoU system was given broader thrust by the Government after the announcement of the New Industrial Policy of 1991. In view of the above policy statement, the scope of MoU system has been extended to cover nearly all CPSEs over a period of time and this is given below:

Year	No. of MoU's signed	Year	No. of MoU's signed
1987-88	4	2009-10	197
1991-92	72	2010-11	198
2001-02	104	2011-12	197
2002-03	100	2012-13	196
2003-04	96	2013-14	197
2004-05	99	2014-15	214
2005-06	102	2015-16	215
2006-07	113	2016-17	231
2007-08	144	2017-18	198
2008-09	147		

### 5.9.1 Institutional Arrangements for Implementation of MoU Policy

**High Powered Committee (HPC) on MoU:** The High Powered Committee (HPC) on MoU is a Committee of Secretaries (COS) set up by the Government as the Apex Committee to assess the performance of MoU signing CPSEs with reference to the commitments made by them in the MoU. The HPC is headed by the Cabinet Secretary and comprises of Finance Secretary, Secretary (Expenditure), CEO, NITI Aayog, Secretary (Statistics & Programme Implementation), Chairman, Public Enterprises Selection Board; Chief Economic Advisor, Department of Economic Affairs; Chairman, Tariff Commission; and Secretary (Performance Management). The HPC on MoU gives guidance and directions with respect to

the determination of the principles and parameters for evaluating the performance of CPSEs.

**Inter-Ministerial Committee (IMC) on MoU:** Inter-Ministerial Committee on MoU consists of Secretary, DPE as Chairman, Secretary of concerned administrative Ministry/Department or his representative not below the rank of Joint Secretary (Member), Secretary, Ministry of Statistics and Programme Implementation or his representative not below the rank of Joint Secretary (Member), Additional Secretary, NITI Aayog or his representative not below the rank of Joint Secretary (Member). Secretary, DPE may co-opt any officer who is a finance expert in case the need is felt, Joint Secretary/Adviser (MoU), DPE provides secretarial support to the Committee. The role of IMC is to approve the MoU targets and recommend its evaluated score and rating to the High Powered Committee (HPC).

**Pre-negotiation Committee (PNC):** The role of the Pre-negotiation Committee (earlier known as Standing Committee on MoU) would be to assist IMC in determining the most appropriate and relevant parameters for measuring improvement in performance and for fixing targets. Meetings of the Pre-negotiation Committee are held in each case before the meetings of IMC to look at the trends, discuss, negotiate and recommend MoU parameters and targets. The composition of Pre-negotiation Committee comprises of Adviser (MoU), DPE, concerned Joint Secretary/Adviser, Administrative Ministry, concerned Adviser (NITI Aayog), Director (MoU) and representative from Ministry of Statistics and Programme Implementation (MoSPI).

### 5.9.2 MoU Guidelines:

DPE has finalized the MoU guidelines for 2017-18 and onwards. A Copy of Guidelines is at **Annexure 5.4**.

### 5.9.3 MoU Evaluation

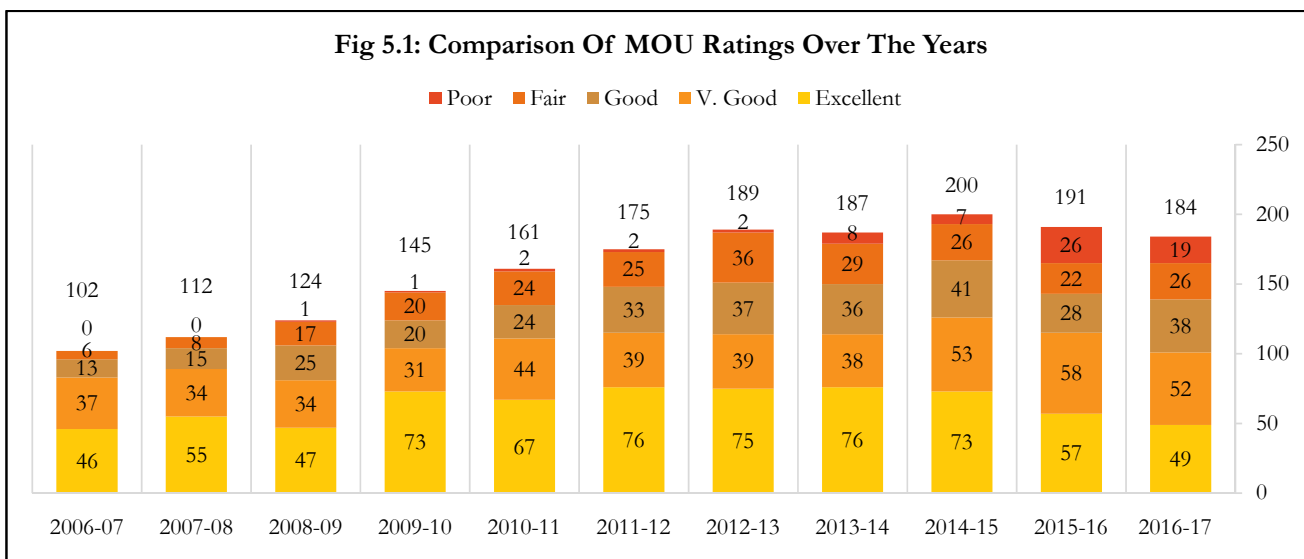
Evaluation of MoU of the CPSE is done after the end of the year on the basis of actual achievements vis-à-vis the MoU targets of CPSEs (Holding as well as Subsidiaries). Details in this regard are given below:

Item	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
<b>Total MoUs Signed</b>	198	197	196	197	214	215	231
<b>Evaluation Report Submitted</b>	161	175	189	187	200	191	185*

\* One CPSE under Finalisation

A comparison of the MoU ratings secured by the CPSEs in the last 10 years and current year can be seen in fig 5.1

Figure-5.1



**Annex-5.1: SCHEDULE-WISE LIST  
OF CENTRAL PUBLIC SECTOR  
ENTERPRISES as on November, 2017**

**Schedule - A**

1. Airports Authority of India
2. Air India Limited
3. BEML Ltd.
4. Bharat Electronics Ltd.
5. Bharat Heavy Electricals Ltd.
6. Bharat Petroleum Corporation Ltd.
7. Bharat Sanchar Nigam Ltd.
8. Central Warehousing Corporation.
9. Coal India Ltd.
10. Container Corporation of India Ltd.
11. Dedicated Freight Corridor Corporation of India Ltd.
12. Electronics Corporation of India Ltd.
13. Engineers India Ltd.
14. Fertilizers & Chemicals (Travancore) Ltd.
15. Food Corporation of India
16. GAIL (India) Ltd.
17. Heavy Engineering Corporation Ltd.
18. Hindustan Aeronautics Ltd.
19. Hindustan Copper Ltd.
20. Hindustan Paper Corporation Ltd.
21. Hindustan Petroleum Corporation Ltd.
22. HMT Ltd.
23. Housing & Urban Development Corporation Ltd.
24. I T I Ltd.
25. Indian Oil Corporation Ltd.
26. IRCON International Ltd.
27. Indian Railway Finance Corporation Ltd.
28. Konkan Railway Corporation Ltd.
29. Kudremukh Iron Ore Company Ltd.
30. MMTC Ltd.
31. Mahanagar Telephone Nigam Ltd.
32. Mangalore Refinery & Petrochemicals Ltd.
33. Mazagon Dock Shipbuilders Ltd.
34. MECON Ltd.
35. MOIL Limited
36. Mumbai Railway Vikas Corporation Ltd.
37. National Aluminium Company Ltd.
38. National Building Construction Corporation Ltd.
39. National Fertilizers Ltd.
40. NHPC Ltd.
41. National Mineral Development Corporation Ltd.
42. National Textiles Corporation Ltd.
43. NTPC Ltd.
44. Neyveli Lignite Corporation Ltd.
45. North Eastern Electric Power Corporation Ltd.
46. Oil & Natural Gas Corporation Ltd.
47. Oil India Ltd.
48. ONGC Videsh Ltd.
49. Power Finance Corporation
50. Power Grid Corporation of India Ltd.
51. Power System Operation Corporation Limited
52. RITES Ltd.
53. RailTel Corporation of India Ltd.
54. Rail Vikas Nigam Ltd.
55. Rashtriya Chemicals and Fertilizers Ltd.
56. Rashtriya Ispat Nigam Ltd.
57. Rural Electrification Corporation Ltd.
58. Satlujjal Vidyut Nigam Ltd.
59. Security Printing & Minting Corporation of India Ltd.
60. Shipping Corporation of India Ltd.
61. State Trading Corporation of India Ltd.
62. Steel Authority of India Ltd.
63. Telecommunications Consultants (India) Ltd.
64. THDC India Limited

**Schedule - B**

1. Andrew Yule & Company Ltd.
2. Balmer Lawrie & Company Ltd.
3. Bharat Coking Coal Ltd.
4. Bharat Dynamics Ltd.

5. Bharat Petro Resources Ltd.
6. Bharat Pumps & Compressors Ltd.
7. Brahmaputa Crackers & Polymers Ltd.
8. Brahmaputra Valley Fertilizer Corporation Ltd.
9. Biotechnology Industry Research Assistance Council
10. Braithwaite & Company Ltd.
11. Bridge & Roof Company (India) Ltd.
12. British India Corporation Ltd.
13. Burn Standard Company Ltd.
14. Cement Corporation of India Ltd.
15. Central Coalfields Ltd.
16. Central Electronics Ltd.
17. Central Mine Planning & Design Institute Ltd.
18. Chennai Petroleum Corporation Ltd.
19. Cochin Shipyard Ltd.
20. Cotton Corporation of India Ltd.
21. Dredging Corporation of India Ltd.
22. Eastern Coalfields Ltd.
23. Engineering Projects (India) Ltd.
24. Kamrajar Port Ltd.
25. Fertilizer Corporation of India Ltd.
26. Garden Reach Shipbuilders & Engineers Ltd.
27. Goa Shipyard Ltd.
28. Handicrafts & Handlooms Export Corporation Ltd.
29. Hindustan Cables Ltd.
30. Hindustan Fertilizer Corporation Ltd.
31. HLL Lifecare Ltd.
32. Hindustan Newsprints Ltd.
33. Hindustan Organic Chemicals Ltd.
34. Hindustan Shipyard Ltd.
35. Hindustan Steelworks Construction Company Ltd.
36. HMT (International) Ltd.
37. HMT Machine Tools Ltd.
38. HMT Watches Ltd.
39. India Tourism Development Corporation Ltd.
40. India Trade Promotion Organization
41. Indian Drugs & Pharmaceuticals Ltd.
42. Indian Railway Catering & Tourism Corporation Ltd.
43. Indian Rare Earths Ltd.
44. Indian Renewable Energy Development Agency Ltd.
45. Instrumentation Ltd.
46. M S T C Ltd.
47. Madras Fertilizers Ltd.
48. Mahanadi Coalfields Ltd.
49. Mineral Exploration Corporation Ltd.
50. Mishra Dhatu Nigam Ltd.
51. National Handloom Development Corporation Ltd.
52. National Jute Manufacturers Corporation Ltd.
53. National Projects Construction Corporation Ltd.
54. National Seeds Corporation Ltd.
55. National Small Industries Corporation Ltd.
56. Northern Coalfields Ltd.
57. Numaligarh Refinery Ltd.
58. Orissa Mineral Development Company Ltd.
59. PEC Ltd.
60. Pawan Hans Helicopters Ltd.
61. Projects & Development India Ltd.
62. Scooters India Ltd.
63. South Eastern Coalfields Ltd.
64. Tyre Corporation of India Ltd.
65. Uranium Corporation of India Ltd.
66. W A P C O S Ltd.
67. Western Coalfields Ltd.

#### **Schedule – C**

1. Andaman & Nicobar Islands Forest & Plantation Development Corporation Ltd.
2. Artificial Limbs Mfg. Corporation of India
3. BBJ Construction Ltd.
4. Bengal Chemicals & Pharmaceuticals Ltd.
5. BHEL Electric Machines Ltd.
6. Bharat Wagon & Engineering Company Ltd.
7. Bisra Stone Lime Company Ltd.

8. Broadcast Engineering Consultants India Ltd.
9. Central Cottage Industries Corporation of India Ltd.
10. Central Inland Water Transport Corporation Ltd.
11. Central Railside Warehouse Company Ltd.
12. Certification Engineers International Ltd.
13. Delhi Police Housing Corporation
14. Educational Consultants (India) Ltd.
15. FCI Aravali Gypsum & Minerals (India) Ltd.
16. Ferro Scrap Nigam Ltd.
17. Hindustan Antibiotics Ltd.
18. Hindustan Insecticides Ltd.
19. Hindustan Photo Films Manufacturing Company Ltd.
20. Hindustan Prefab Ltd.
21. Hindustan Salts Ltd.
22. HMT Bearings Ltd.
23. HMT Chinara Watches Ltd.
24. Hooghly Dock and Port Engineers Ltd.
25. HSCC (India) Ltd.
26. Hotel Corporation of India Ltd.
27. Jute Corporation of India Ltd.
28. Karnataka Antibiotics & Pharmaceuticals Ltd
29. Nagaland Pulp & Paper Company Ltd.
30. National Backward Classes Finance & Development Corporation.
31. National Film Development Corporation Ltd.
32. National Handicapped Finance & Development Corporation.
33. National Minorities Development & Finance Corporation
34. National Research Development Corporation of India.
35. National Safai Karamcharis Finance & Development Corporation.
36. National SC Finance & Development Corporation
37. National ST Finance & Development Corporation
38. NEPA Ltd.
39. North Eastern Handicrafts & Handloom Development Corporation Ltd.
40. North Eastern Regional Agricultural Marketing Corporation Ltd.
41. Rajasthan Electronics & Instruments Ltd.
42. Richardson & Cruddas (1972) Ltd.
43. STCL Ltd.
44. Triveni Structurals Ltd.
45. Tungabhadra Steel Products Ltd.

#### **Schedule – D**

1. Hindustan Fluorocarbons Limited
2. Indian Medicines Pharmaceutical Corporation Ltd.
3. Orissa Drugs & Chemicals Ltd.
4. Rajasthan Drugs & Pharmaceuticals Ltd.



**Annex-5.2 : Status of Grading Report of CPSEs on compliance with Guidelines on Corporate Governance for CPSEs for the year 2015-16**

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
1	National Seeds Corpn. Ltd.	Agriculture and Cooperation (O.M. No. 6-16/2015-SD-I Dated 5 <sup>th</sup> May, 2016)	Excellent
2	AnushaktiVidhyut Nigam Ltd.	Atomic Energy	Under Construction
3	NPCIL-Indian Oil Nuclear Energy Corpn. Ltd.	Atomic Energy	Under Construction
4	NPCIL-Nalco Power Company Ltd.	Atomic Energy	Under Construction
5	Electronics Corpn. Of India Ltd.	Atomic Energy (O.M. N. 4/2/(42(/2016-PSU/7081 Dated 30 <sup>th</sup> May, 2016)	Very Good
6	Uranium Corporation Of India Ltd.	Atomic Energy (O.M. N. 4/2/(42(/2016-PSU/7081 Dated 30 <sup>th</sup> May, 2016)	Very Good
7	Indian Rare Earths Ltd.	Atomic Energy (O.M. N. 4/2/(42(/2016-PSU/7081 Dated 30 <sup>th</sup> May, 2016)	Excellent
8	Nuclear Power Corpn. Of India Ltd.	Atomic Energy (O.M. N. 4/2/(42(/2016-PSU/7081 Dated 30 <sup>th</sup> May, 2016)	Excellent
9	BharatiyaNabhikiyaVidyut Nigam Ltd.	Atomic Energy (O.M. N. 4/2/(42(/2016-PSU/7081 Dated 30 <sup>th</sup> May, 2016)	Excellent
10	Indian Medicines & Pharmaceutical Corpn. Ltd.	AYUSH (O.M. No. R.13014/14/2014- AYUSH(IMPCL) Dated 16 <sup>th</sup> June, 2016)	Fair
11	Biotechnology Industry Research Assistance Council	Biotechnology (No. BT/AI/14013/2/2013-Pt.I Dated 13.10.2016)	Excellent
12	Bharat Immunologicals&BiologicalsCorpn . Ltd.	Biotechnology (No. BT/AI/14013/2/2013-Pt.I Dated 13.10.2016)	Excellent
13	Indian Vaccine Corpn. Ltd.	Biotechnology (No. BT/AI/14013/2/2013-Pt.I Dated 13.10.2016)	Excellent
14	Hindustan Insecticides Ltd. (from CPSE)	Chemicals & Petrochemicals (No. BS/I/5C.L./2015-16 Dated 30 June, 2016)	Excellent
15	Hindustan Fluorocarbons Ltd.	Chemicals & Petrochemicals (No. P. 63013/9/2016-Ch-III Dated 26 August, 2016)	Very Good

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
16	Hindustan Organic Chemicals Ltd. (form CPSE)	Chemicals and Petrochemicals ( No. HOC/SEC/DPE/CG Comp- SER/15-16/4/2016/2A Dated 15.4. 2016)	Very Good
17	Karnataka Trade Promotion Organization	Commerce (O.M. No. 1(16)/2012-TP Dated: 19 <sup>th</sup> April, 2016)	Excellent
18	Tamil Nadu Trade Promotion Organisation	Commerce (1(16)/2012-TP Dated 14 <sup>th</sup> September, 2016)	Good
19	State Trading Corpn. Of India Ltd.	Commerce (O.M. No. 17/13/2015-FT(ST) Dated 23 <sup>rd</sup> June, 2016)	Very Good
20	M M T C Ltd.	Commerce (O.M. No. 17/13/2015-FT(ST) Dated 23 <sup>rd</sup> June, 2016)	Excellent
21	P E C Ltd.	Commerce (O.M. No. 17/13/2015-FT(ST) Dated 23 <sup>rd</sup> June, 2016)	Very Good
22	India Trade Promotion Organisation	Commerce (O.M. No. 1(16)/2012-TP Dated 19 <sup>th</sup> April, 2016)	Excellent
23	Export Credit Guarantee Corpn. of India Ltd.	Commerce (O.M. No. 16/23/2011-E&MDA Dated 24 <sup>th</sup> August, 2016)	Excellent
24	STCL Ltd.	Commerce	Closed
25	BEML Limited (from CPSE)	Defence Production (CS/SER/167 dated 4.4.2016)	Excellent
26	Vignyan Industries Ltd. (from CPSE)	Defence Production (CS/VIL/MoD/166 dated 4.4.2015)	Excellent
27	Hindustan Shipyard Ltd.	Defence Production (O.M. No. 23(54)/2015/D(NS-II) dated 24.8.2016)	Excellent
28	Mishra Dhatu Nigam Ltd.	Defence Production (23(94)/2015/D(NS-II) dated 31.8.2016)	Excellent
29	Garden Reach Shipbuilders & Engineers Ltd.	Defence Production (O.M. No. 23(54)/2015/D(NS-II) Dated 26 <sup>th</sup> May, 2016)	Excellent
30	Goa Shipyard Ltd.	Defence Production (23(54)/2015/D(NS-II) dated 31.8.2016)	Excellent
31	Bharat Electronics Ltd. (from CPSE)	Defence Production (No. 17545/3/GOV/MOD-CGRPT/ SEC dated 31 May 2016)	Excellent

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
32	Mazagon Dock Ltd.	Defence Production (23(54)/2015/D(NS-II) dated 31.8.2016)	Excellent
33	Hindustan Aeronautics Ltd. (From CPSE)	Defence Production (CO/SEC 9(47)/2016 dated 1.9.2016)	Excellent
34	BEL Optronics Devices Ltd.	Defence Production (O.M. No. 15/2/2012-D(BEL) Dated 19 <sup>th</sup> September, 2016)	Good
35	Bharat Dynamics Ltd.	Defence Production (O.M. No. H-62015/16/2015-D(BDL) Dated 14 <sup>th</sup> July, 2016)	Excellent
36	Agriinnovate India Ltd.	Ministry of Agriculture	Poor (Not received)
37	Security Printing & Minting Corpn. India Ltd.	Economic Affairs (O.M. No. 3/8/2010-SPMC dated 23.5.2016)	Excellent
38	National Informatics Centre Services Incorporated	Electronics and Information Technology (NICSI-CS/ DPE/10.11/224/Volume-IV dated 18.4.2016)	Excellent
39	Brahmaputra Valley Fertilizer Corpn. Ltd. (From CPSE)	Fertilizers (O.M. No. 80/02/2003-HR-I Dated 04- 07-2016)	Excellent
40	Projects & Development India Ltd.	Fertilizers (O.M. No. 80/02/2003-HR-I Dated 04- 07-2016)	Good
41	FCI Aravali Gypsum & Minerals India Ltd.	Fertilizers (O.M. No. 80/02/2003-HR-I Dated 04- 07-2016)	Excellent
42	Fertilizer Corpn. of India Ltd.	Fertilizers	Closed Unit
43	Fertilizers & Chemicals Travancore Ltd.	Fertilizers (O.M. No. 80/02/2003-HR-I Dated 04- 07-2016)	Excellent
44	Hindustan Fertilizers Ltd.	Fertilizers	Closed Unit
45	Madras Fertilizers Ltd.	Fertilizers (O.M. NO. 80/02/2013-HR-I dated 2.8.2016)	Very Good
46	National Fertilizers Ltd.	Fertilizers (O.M. No. 80/02/2003-HR-I Dated 04- 07-2016)	Excellent
47	Rashtriya Chemicals and Fertilizers Ltd.	Fertilizers (O.M. No. 80/02/2003-HR-I Dated 04- 07-2016)	Excellent
48	Food Corpn. Of India	Food & Public Distribution (O.M. No. 18-24/2016-FC-I Dated 9 <sup>th</sup> June, 2016)	Excellent

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
49	Central Railside Warehousing Co. Ltd.	Food and Public Distribution (O.M. No. 9-53/2015-SG Dated 20 <sup>th</sup> June, 2016)	Excellent
50	Central Warehousing Corpn.	Food and Public Distribution (O.M. No. 6-42/2014-SG Dated 28 <sup>th</sup> April, 2016)	Excellent
51	BEL-Thales Systems Ltd.	Ministry of Defence	Under Construction
52	HSCC (India) Ltd.	Health and Family Welfare (A.4513/07/2016/NM Dated 11 <sup>th</sup> August, 2016)	Excellent
53	HLL Biotech Ltd.	Health and Family Welfare	Poor (Not Received)
54	HLL Lifecare Ltd.	Health and Family Welfare (O.M. No. A-45013/8/2016-NM Dated 19 <sup>th</sup> April, 2016)	Excellent
55	Goa Antibiotics & Pharmaceuticals Ltd.	Health and Family Welfare (A.4513/07/2016/NM Dated 11 <sup>th</sup> August, 2016)	Very Good
56	HMT Ltd.	Heavy Industry	Poor (Not Received)
57	Cement Corpn. Of India Ltd. (from CPSE)	Heavy Industry (CCI/SEC/17 (Vol. II)/2011/702 dated 19.8.2016)	Excellent
58	Bharat Heavy Electricals Ltd.	Heavy Industry (O.M. No. 12(11)/2015-PE.XI Dated 19 <sup>th</sup> May, 2016)	Excellent
59	Engineering Projects (India) Ltd.	Heavy Industry (O.M. No. 12(6)/2015-TSW dated 13 <sup>th</sup> April, 2016)	Excellent
60	BHEL Electrical Machines Ltd.	Heavy Industry (O.M. No. 12(11)/2015-PE.XI Dated 29 April, 2016)	Excellent
61	Bharat BhariUdyog Nigam Ltd.	Heavy Industry	Poor (Not Received)
62	Rajasthan Electronics And Instruments Ltd.	Heavy Industry (O.M. 17(11)/2016-PE-VII dated 7.9.2016)	Excellent
63	Andrew Yule & Company Ltd. (from CPSE)	Heavy Industry (No. AY Sect1/18 Dated 31 August 2016)	Fair
64	HLL Infra Tech Services Ltd.	Department of Health and Family Welfare	Under Construction

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
65	Bharat Pumps & Compressors Ltd.	Heavy Industry	Poor (Not received)
66	Braithwaite Burn & Jessop Construction Company Ltd.	Heavy Industry (O.M. No. 07(1)/2016-PE.III Dated 11 <sup>th</sup> July, 2016)	Excellent
67	Bridge & Roof Co. India Ltd. (form CPSE)	Heavy Industry (Dated 1.9.2016)	Excellent
68	Heavy Engineering Corpn. Ltd.	Heavy Industry	Poor (Not received)
69	Hindustan Cables Ltd.	Heavy Industry	Under Closure
70	Hindustan Newsprint Ltd.	Heavy Industry	Poor (Not received)
71	Hindustan Paper Corpn. Ltd.	Heavy Industry	Poor (Not Received)
72	Hindustan Photo Films Manufacturing Co. Ltd.	Heavy Industry (O.M. 07(1)/2016-PE.III Vol-II part Dated 2.09.2016)	Very Good
73	Hindustan Salts Ltd.	Heavy Industry	Poor (Not received)
74	HMT International Ltd.	Heavy Industry	Poor (Not received)
75	HMT Bearing Ltd.	Heavy Industry	Under Closure
76	HMT Chinar Watches Ltd.	Heavy Industry	Under Closure
77	HMT Machine Tools Ltd.	Heavy Industry	Poor (Not received)
78	HMT Watches Ltd.	Heavy Industry	Under Closure
79	Hooghly Printing Company Ltd.	Heavy Industry	Poor (Not received)
80	Instrumentation Ltd. (From CPSE)	Heavy Industry (No. C.S.S.21/2016 Dated 9.9.2016)	Very Good
81	Jagdishpur Paper Mills Ltd.	Heavy Industry	Under Construction
82	Nagaland Pulp & Paper Company Ltd.	Heavy Industry	Not Operational
83	NEPA Ltd.	Heavy Industry	Poor (Not received)
84	Richardson & Cruddas 1972 Ltd. (form CPSE)	Heavy Industry (No. R&C/Corp/16-17/300215 Dated 31.8.2016)	Excellent
85	Sambhar Salts Ltd.	Heavy Industry	Poor (Not received)
86	Scooters India Ltd.	Heavy Industry	Poor (Not received)



S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
87	Bundelkhand Saur Urja Ltd.	Ministry of Power	Under Construction
88	Tungabhadra Steel Products Ltd.	Heavy Industry	Under Closure
89	ChhattisGarh-WR Transmission Ltd.	Ministry of Power	Under Construction
90	Bengal Chemicals & Pharmaceuticals Ltd.	Pharmaceuticals (O.M. No. 25018/11/2016-PSU-I Dated 22 <sup>nd</sup> July, 2016)	Excellent
91	Karnataka Antibiotics & Pharmaceuticals Ltd.	Pharmaceuticals (O.M. No. 34018/09/2016-PSU-I Dated 5 <sup>th</sup> August, 2016)	Very Good
92	Hindustan Antibiotics Ltd.	Pharmaceuticals	Poor (Not received)
93	IDPL (Tamilnadu) Ltd.	Pharmaceuticals	Poor (Not received)
94	Indian Drugs & Pharmaceuticals Ltd.	Pharmaceuticals	Poor (Not Received)
95	Orissa Drugs & Chemicals Ltd.	Pharmaceuticals	Poor (Not received)
96	Rajasthan Drugs & Pharmaceuticals Ltd.	Pharmaceuticals	Poor (Not Received)
97	Central Electronics Ltd.	Scientific & Industrial Research (O.M. No.DSIR/PSU/5/2014-15 Dated 27 <sup>th</sup> April, 2016)	Excellent
98	National Research Development Corpn.	Scientific & Industrial Research (O.M. No.DSIR/PSU/5/2014-15 Dated 27 <sup>th</sup> April, 2016)	Good
99	Antrix Corporation Ltd.	Space (O.M. No.C.19013/22/2015. Sec.3(2) dated 23.6.201	Excellent
100	Telecommunications Consultants (India) Ltd.	Telecommunications No. 29-38/2013-SU Dated:- 7 April, 2016	Excellent
101	ITI Ltd.	Telecommunications (O.M. No. 20-28/2014-FAC-II Dated 19 <sup>th</sup> August, 2016)	Excellent
102	Mahanagar Telephone Nigam Ltd. (form CPSE)	Telecommunications (No. MTNL/ SECTT/DPE/2016/116 Dated 7 <sup>th</sup> April, 2016)	Excellent
103	Millennium Telecom Ltd.	Telecommunications	Poor (Not Received)
104	Bharat Sanchar Nigam Ltd. (from CPSE)	Telecommunications (BSNL/SECTT/25-2/2014 dated 1.4.2016	Excellent

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
105	Bharat Broadband Network Ltd.	Telecommunications (O.M. No. 20/2/2013-Policy-I(pt)/SU-II Dated 23 <sup>rd</sup> November, 2016)	Excellent
106	TCIL Bina Toll Road Ltd.	Telecommunications	Poor (Not received)
107	TCIL Lakhnadone Toll Road Ltd.	Telecommunications	Under Construction
108	Central Mine Planning & Design Institute Ltd.	Coal (No. 38011/14/2016-CA-II Dated 15 <sup>th</sup> June, 2016)	Excellent
109	Neyveli Lignite Corpn. Ltd.	Coal (No. 38011/14/2016-CA-II Dated 15 <sup>th</sup> June, 2016)	Excellent
110	NLC Tamil Nadu Power Ltd.	Coal (No. 38011/14/2016-CA-II Dated 15 <sup>th</sup> June, 2016)	Very Good
111	Eastern Coalfields Ltd. (From CPSE)	Ministry of Coal (No. ECL/HQ/GM(T&MS)/TS/ Dated 27 <sup>th</sup> October, 2015)	Very Good
112	South Eastern Coalfields Ltd.	Coal (No. 38011/14/2016-CA-II Dated 15 <sup>th</sup> June, 2016)	Excellent
113	Central Coalfields Ltd.	Coal (No. 38011/14/2016-CA-II Dated 15 <sup>th</sup> June, 2016)	Excellent
114	Northern Coalfields Ltd.	Coal (No. 38011/14/2016-CA-II Dated 15 <sup>th</sup> June, 2016)	Excellent
115	Bharat Coking Coal Ltd.	Coal (No. 38011/14/2016-CA-II Dated 15 <sup>th</sup> June, 2016)	Excellent
116	Mahanadi Coalfields Ltd.	Coal (No. 38011/14/2016-CA-II Dated 15 <sup>th</sup> June, 2016)	Excellent
117	Mahanadi Basin Power Ltd.	Coal (No. 38011/14/2016-CA-II Dated 15 <sup>th</sup> June, 2016)	Good
118	Western Coalfields Ltd.	Coal (No. 38011/14/2016-CA-II Dated 15 <sup>th</sup> June, 2016)	Excellent
119	Coal India Ltd.	Coal (No. 38011/14/2016-CA-II Dated 15 <sup>th</sup> June, 2016)	Excellent
120	Neyveli Uttar Pradesh Power Ltd	Coal (No. 38011/14/2016-CA-II Dated 15 <sup>th</sup> June, 2016)	Very Good

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
121	MJSJ Coal Ltd.	Coal	Under Construction
122	MNH Shakti Ltd.	Coal	Under Construction
123	North Eastern Regional Agri. Marketing Corpn. Ltd.	Development of North Eastern Region	Poor (Not Received)
124	North Eastern Handicrafts & Handloom Dev. Corpn. Ltd.	Development of North Eastern Region	Poor (Not received)
125	Hindustan Prefab Ltd.	Housing & Urban Poverty Alleviation (O.M. No. I-15017/18/2014-AA/FTS- 11444 Dated 15 <sup>th</sup> June, 2016)	Excellent
126	Housing & Urban Dev. Corpn. Ltd.	Housing & Urban Poverty Alleviation (O.M. No. I-15017/18/2014-AA/FTS- 11444 Dated 15 <sup>th</sup> June, 2016)	Excellent
127	National Film Dev. Corpn. Ltd.	Information & Broadcasting (O.M. No. 202/4/2012-F(PSU) Dated 13 <sup>st</sup> April, 2015)	Excellent
128	Broadcast Engg. Consultants India Ltd.	Information & Broadcasting (O.M. No. 704/22/2012-B(D) Dated 3.6.2016)	Good
129	National Small Industries Corpn. Ltd.	Micro Small & Medium Enterprises (O.M. No. A-53/2/2014-SME Dated 29 June, 2016)	Excellent
130	Mineral Exploration Corpn. Ltd.	Mines (O.M. No. 2/4/2011-Coord. (Vol. III) Dated 29 August, 2016)	Excellent
131	Hindustan Copper Ltd.	Mines (O.M. No. 2/4/2011-Coord. (Vol. III) Dated 29 August, 2016)	Excellent
132	National Aluminium Company Ltd.	Mines (O.M. No. 2/4/2011-Coord.(Vol. III) Dated 5 September, 2015)	Excellent
133	National Minorities Devp. & Finance Corporation	Minority Affairs (O.M. No. 9-10/2016-NMDFC Dated 24.6.2016)	Very Good
134	Indian Renewable Energy Devt.Agency Ltd.	New and Renewable Energy (229/7/F&A/2013/80 dated 22.8.2016)	Very Good
135	Solar Energy Corpn. of India(From CPSE)	New and Renewable Energy (No. SECI/CS/93/I/2015 Dated 26 <sup>th</sup> August, 2016)	Excellent
136	Oil & Natural Gas Corporation Ltd. (from CPSE)	Petroleum & Natural Gas (No. ONGC/CS/DPE/2016-17 Dated 20.10.2016)	Excellent
137	Indian Oil Corporation Ltd.(From CPSE)	Petroleum & Natural Gas (O.M.No. Secl/CG Dated 13 <sup>th</sup> September, 2016)	Excellent

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
138	GAIL (India) Ltd. (from CPSE)	Petroleum & Natural Gas ( No. ND/GAIL/SECTT/2016 Dated 6 <sup>th</sup> April, 2016)	Excellent
139	Hindustan Petroleum Corpn. Ltd. (from CPSE)	Petroleum & Natural Gas (No. CO.SECY./VM/255/2016 Dated 12 <sup>th</sup> September, 2016)	Excellent
140	Bharat Petroleum Corpn. Ltd. (From CPSE)	Petroleum & Natural Gas (No. BPRL/Sec/7.5/2016 Dated 20.10.2016)	Excellent
141	Oil India Ltd. (from CPSE)	Petroleum & Natural Gas (No. OIL/SEC/66/CG/DPE Dated 20.10.2016)	Excellent
142	Engineers India Ltd. (from CPSE)	Petroleum & Natural Gas (No. Secy/911 Dated 5 <sup>th</sup> April, 2016)	Excellent
143	BalmerLawrie & Co. Ltd. (From CPSE)	Petroleum & Natural Gas (No. Dated 14 <sup>th</sup> September, 2016)	Excellent
144	ONGC Videsh Ltd.(from CPSE)	Petroleum & Natural Gas (No. ONGC Videsh/CS/DPE/2016 Dated 19 <sup>th</sup> September, 2016)	Excellent
145	Numaligarh Refinery Ltd. (from CPSE)	Petroleum & Natural Gas (No. 4286/NRL Dated 20 <sup>th</sup> October, 2016 )	Excellent
146	Mangalore Refinery & Petrochemicals Ltd. (from CPSE)	Petroleum & Natural Gas (Dated 2.4. 2016)	Excellent
147	Chennai Petroleum Corporation Ltd. (from CPSE)	Petroleum & Natural Gas (No. CS:01:040 Dated 12 <sup>th</sup> September, 2016)	Excellent
148	MohinderGarh-Bhiwani Transmission Ltd.	Ministry of Power	Under Construction
149	BalmerLawrie Investments Ltd.	Petroleum & Natural Gas	Poor (Not Received)
150	Bharat Petro Resources Ltd. (From CPSE)	Petroleum & Natural Gas (No. BPCL/Sec/7.5/2016 Dated 20.10.2016)	Excellent
151	Certification Engineers International Ltd. (from CPSE)	Petroleum & Natural Gas (Dated 5 <sup>th</sup> April, 2016)	Excellent
152	GAIL Gas Ltd. (From CPSE)	Petroleum & Natural Gas (No. ICBL/RPR/CEO/16A Dated 11 <sup>th</sup> April, 2016)	Excellent
153	Indian Oil-Creda Biofuels Ltd. (from CPSE)	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 <sup>th</sup> August, 2015)	Good
154	Prize Petroleum Company Ltd. (from CPSE)	Petroleum & Natural Gas (No. Dated 13 <sup>th</sup> September, 2016)	Excellent

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
155	Bharat Petro Resources Jpda	Petroleum & Natural Gas	Under Construction
156	Creda HPCL Biofuel Ltd. (From CPSE)	Petroleum & Natural Gas (No. MSS/CHBL Dated 23.8.2016 )	Excellent
157	HPCL Biofuels Ltd. (from CPSE)	Petroleum & Natural Gas (No. Co.Secy./HBL/2016 Dated 13-9-2016)	Excellent
158	HPCL Rajasthan Refinery Ltd.	Petroleum & Natural Gas	Under Construction
159	Indian Catalyst Pvt. Ltd.	Petroleum & Natural Gas	Under Construction
160	Oil India International Ltd. (from CPSE)	Petroleum & Natural Gas (No. OIL/SEC/75/OIIL Dated 06.04.2016)	Not Operational
161	Brahmaputra Crackers & Polymer Ltd.	Chemicals & Petrochemicals (O.M. No. 45012/21/2010-PC-I Dated 22 <sup>th</sup> April, 2016)	Excellent
162	Power Finance Corporation	Power (O.M. No. 5/12/2016 Coord. Dated 14 <sup>th</sup> July, 2016)	Excellent
163	NHPC Ltd.	Power (O.M. No. 5/12/2016 Coord. Dated 14 <sup>th</sup> July, 2016)	Excellent
164	NTPC Ltd.	Power (O.M. No. 5/12/2016 Coord. Dated 20 <sup>th</sup> July, 2016 and 20.7.2016)	Excellent
165	Power Grid Corporation Of India Ltd.	Power (O.M. No. 5/12/2016 Coord. Dated 14 <sup>th</sup> July, 2016)	Excellent
166	Rural Electrification Corpn. Ltd.	Power (O.M. No. 5/12/2016 Coord. Dated 14 <sup>th</sup> July, 2016)	Excellent
167	Rec Power Distribution Co. Ltd.	Power (O.M. No. 5/12/2016 Coord. Dated 14 <sup>th</sup> July, 2016)	Excellent
168	Rec Transmission Project Co. Ltd.	Power (O.M. No. 5/12/2016 Coord. Dated 14 <sup>th</sup> July, 2016)	Excellent
169	NTPC Electric Supply Company Ltd.	Power (O.M. No. 5/12/2016 Coord. Dated 20 <sup>th</sup> July, 2016 and 20.7.2016)	Excellent
170	NTPC VidyutVyapar Nigam Ltd.	Power (O.M. No. 5/12/2016 Coord. Dated 20 <sup>th</sup> July, 2016 and 20.7.2016)	Excellent



S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
171	Power System Operation Corporation Ltd.	Power (O.M. No. 5/12/2016 Coord. Dated 20 <sup>th</sup> July, 2016 and 20.7.2016)	Excellent
172	SJVN Ltd.	Power (O.M. No. 5/12/2016 Coord. Dated 14 <sup>th</sup> July, 2016)	Excellent
173	KantiBijleeUtpadan Nigam Ltd.	Power (O.M. No. 5/12/2016 Coord. Dated 14 <sup>th</sup> July, 2016)	Excellent
174	Loktak Downstream Hydroelectric Corporation Ltd.	Power (O.M. No. 5/12/2016 Coord. Dated 14 <sup>th</sup> July, 2016)	Very Good
175	Bhartiya Rail Bijlee Co. Ltd.	Power (O.M. No. 5/12/2016 Coord. Dated 14 <sup>th</sup> July, 2016)	Excellent
176	Ballabgarh – GN Transmission Co. Ltd.	Ministry of Power	Under Construction
177	Cheyur Infra Ltd.	Ministry of Power	Under Construction
178	Chhattisgarh Surguja Power Ltd.	Ministry of Power	Under Construction
179	Coastal Karnataka Power Ltd.	Ministry of Power	Under Construction
180	Coastal Maharashtra Mega Power Ltd.	Ministry of Power	Under Construction
181	Coastal Tamil Nadu Power Ltd.	Ministry of Power	Under Construction
182	Deoghar Mega Power Ltd.	Ministry of Power	Under Construction
183	Nellore Transmission Ltd.	Ministry of Power	Under Construction
184	Ghogapalli Integrated Power Company Ltd.	Ministry of Power	Under Construction
185	NHDC Ltd.	Ministry of Power (O.M. No. 5/12/2016 Coord. Dated 14 <sup>th</sup> July, 2016)	Very Good
186	North Eastern Electric Power Corpn. Ltd.	Ministry of Power (O.M. No. 5/12/2016 Coord. Dated 14 <sup>th</sup> July, 2016)	Excellent
187	OdishaInfrapower Ltd.	Ministry of Power	Under Construction
188	Orissa Integrated Power Ltd.	Ministry of Power	Under Construction
189	PFC Capital Advisory Service Ltd.	Ministry of Power	Poor (Not received)

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
190	PFC Consulting Ltd.	Ministry of Power (O.M. No. 9/1/2015-PFC Desk Dated 29 <sup>th</sup> November, 2016)	Very Good
191	PFC Green Energy Ltd.	Ministry of Power O.M. No. 15/13/2016-PFC Desk Dated 29 <sup>th</sup> November, 2016)	Excellent
192	Power Grid Jabalpur Transmission Ltd.	Ministry of Power	Under Construction
193	Power Grid NM Transmission Ltd.	Ministry of Power	Under Construction
194	Power Grid Kala Amb Transmission Ltd.	Ministry of Power	Under Construction
195	Sakhigopal Integrated Power Company Ltd.	Ministry of Power	Under Construction
196	SJVN Thermal Pvt. Ltd.	Ministry of Power	Under Construction
197	Tanda Transmission Company Ltd.	Ministry of Power	Under Construction
198	Tatiya Andhra Mega Power Ltd.	Ministry of Power	Under Construction
199	THDC India Ltd.	Ministry of Power (O.M. No. 5/12/2016 Coord. Dated 20 <sup>th</sup> July, 2016)	Excellent
200	Unchahar Transmission Ltd.	Ministry of Power	Under Construction
201	Vizag Transmission Ltd.	Ministry of Power	Under Construction
202	RITES Ltd.	Railways (O.M. No.2016/PL/57/9 dated 30.8.2016)	Excellent
203	IRCON International Ltd.	Railways (O.M. No.2016/PL/57/9 dated 30.8.2016)	Excellent
204	Konkan Railway Corporation Ltd.	Railways (O.M. No.2016/PL/57/9 dated 30.8.2016)	Excellent
205	Mumbai Railway Vikas Corporation Ltd.	Railways (O.M. No.2016/PL/57/9 dated 30.8.2016)	Excellent
206	Railtel Corporation India Ltd.	Railways (O.M. No.2016/PL/57/9 dated 30.8.2016)	Excellent
207	Indian Railway Catering And Tourism Corpn. Ltd.	Railways (O.M. No.2016/PL/57/9 dated 30.8.2016)	Excellent

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
208	Rail Vikas Nigam Ltd.	Railways (O.M. No.2016/PL/57/9 dated 30.8.2016)	Excellent
209	Indian Railway Finance Corporation Ltd.	Railways (O.M. No.2016/PL/57/9 dated 30.8.2016)	Excellent
210	Container Corporation Of India Ltd.	Railways (O.M. No.2016/PL/57/9 dated 30.8.2016)	Excellent
211	Dedicated Fright Corridor Corp. Of India Ltd.	Railways (O.M. No.2016/PL/57/9 dated 30.8.2016)	Excellent
212	Bharat Wagon & Engg. Co. Ltd.	Railways	Poor (Not Received)
213	Burn Standard Company Ltd.	Railways (O.M. No.2016/PL/57/9 dated 30.8.2016)	Very Good
214	Braithwaite & Co. Ltd.	Railways (O.M. No.2016/PL/57/9 dated 30.8.2016)	Excellent
215	Fresh & Healthy Enterprises Ltd.	Railways	Poor (Not Received)
216	CONCOR Air Ltd. (From CPSE)	Railways	Very Good
217	High Speed Rail Corporation of India Ltd.	Railways	Under Construction
218	Indian Railway Stations Devpt. Corpn. Ltd.	Railways	Poor (Not received)
219	IRCON Infrastructure & Services Ltd. (from CPSE)	Railways (No. IrconISL/1006/ CS/CG-RB/1A Dated 27 August 2016)	Excellent
220	Kolkata Metro Rail Corpn. Ltd.	Railways (O.M. No.2016/PL/57/9 dated 30.8.2016)	Excellent
221	Punjab Logistic Infrastructure Ltd.	Railways	Under Construction
222	Railway Energy Management Company Ltd.	Railways	Poor (Not received)
223	Rites Infrastructure Services Ltd.	Railways	Poor (Not received)
224	SidculConcor Infra Company Ltd.	Railways	Under Construction
225	Shipping Corporation Of India Ltd.	Shipping (O.M. No. SS-11036/54/2015-SY.II dated 6.5.2016)	Excellent

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
226	Dredging Corpn. Of India Ltd.	Shipping (O.M. No. SS-11036/54/2015-SY.II dated 6.5.2016)	Excellent
227	Kamarajar Port Ltd.	Shipping (O.M. No. KPL/13/2014-PD-I dated 19.8.2016)	Excellent
228	Central Inland Water Transport Corpn. Ltd.	Shipping	Not operational
229	Cochin Shipyard Ltd.	Shipping F. Nol SY-11020/1/2016-CSL Dated 6 May, 2016	Excellent
230	Hooghly Dock and Port Engineers Ltd.	Shipping	Poor (Not received)
231	Sethusamudram Corpn. Ltd.	Shipping	Under Construction
232	National Scheduled Castes Finance & Devp. Corpn.	Social Justice & Empowerment (O.M. No 19015/10/2013-SCD-IV Dated 20 July, 2016)	Excellent
233	National Handicapped Finance & Devpt. Corpn.	Social Justice & Empowerment	Poor (Not Received)
234	National Backward Classes Finance & Development Corporation (Form CPSE)	Social Justice & Empowerment (No. CS/CG/QLY/2015-16/376-77 Dated 11.4.2016)	Excellent
235	Artificial Limbs Mfg. Corpn. of India	Social Justice & Empowerment (O.M. No.15(5)/2014-DDI Dated 22 <sup>nd</sup> June, 2016)	Excellent
236	National Safai Karamcharis Finance & Devpt. Corpn.	Social Justice & Empowerment (O.M. No. 19015/11/2013-SCD-IV) dated 2 <sup>nd</sup> April, 2016	Excellent
237	Rashtriya Ispat Nigam Ltd.	Steel (O.M. No. 13(9)/2016-Coord. Dated 8 <sup>th</sup> August, 2016)	Excellent
238	Ferro Scrap Nigam Ltd. (From CPSE)	Steel (No. FC/5887/2016 Dated 22 <sup>nd</sup> August, 2016)	Very Good
239	MSTC Ltd.	Steel (O.M. No. 13(9)/2016-Coord. Dated 16 <sup>th</sup> August, 2016)	Excellent
240	Steel Authority Of India Ltd.	Steel (O.M. No. 13(9)/2016-Coord. Dated 25 <sup>th</sup> April, 2016)	Excellent
241	NMDC Ltd.	Steel (O.M. No. 13(9)/2016-Coord. Dated 8 <sup>th</sup> August, 2016)	Excellent
242	Hindustan Steelworks Costn. Ltd.	Steel (O.M. No. 13(9)/2016-Coord. Dated 16 <sup>th</sup> August, 2016)	Excellent
243	KIOCL Ltd.	Steel (O.M. No. 13(9)/2016-Coord. Dated 25 <sup>th</sup> April, 2016)	Excellent
244	MECON Ltd.	Steel (O.M. No. 13(9)/2016-Coord. Dated 25 <sup>th</sup> April, 2016)	Excellent

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
245	MOIL Ltd.	Steel (O.M. No. 13(9)/2016-Coord. Dated 13 <sup>th</sup> June, 2016)	Excellent
246	Eastern Investment Ltd.	Steel (O.M. No. 13(9)/2016-Coord. Dated 25 <sup>th</sup> April, 2016)	Good
247	J & K Mineral Development Corpn. Ltd.	Steel	Unoperational
248	Jharkhand National Mineral Devpt. Corpn. Ltd.	Steel	Under Construction
249	NMDC Power Ltd.	Steel	Under Construction
250	NMDC-CMDC Ltd.	Steel	Under Construction
251	Orissa Mineral Development Company Ltd.	Steel (O.M. No. 13(9)/2016-Coord. Dated 25 <sup>th</sup> April, 2016)	Excellent
252	SAIL Jagadishpur Power Plant Ltd.	Steel	Under Construction
253	SAIL Refractory Company Ltd.	Steel	Poor (Not received)
254	SAIL Sindri Project Ltd.	Steel	Under Construction
255	The Bisra Stone Lime Company Ltd.	Steel (O.M. No. 13(9)/2016-Coord. Dated 25 <sup>th</sup> April, 2016)	Good
256	Jute Corpn. Of India Ltd.	Textiles (No. 5/1/2013-Jute Dated 16 <sup>th</sup> September, 2016)	Very Good
257	Handicrafts & Handloom Exports Corp. Of India Ltd.	Textiles (2/11/2016-HHEC Dated 29 <sup>th</sup> August, 2016)	Excellent
258	Cotton Corpn. Of India Ltd. (form CPSE)	Textiles (CCI/Sectt/CPSE/2015-16 dated 1.4.2016)	Excellent
259	National Textile Corpn. Ltd.	Textiles (O.M. No. 16/12/2016-NTC Dated 27 June, 2016)	Excellent
260	National Handloom Development Corporation Ltd.	Textiles (O.M. No. 40/2/2015-DCH/ NHDC/CSR Dated 16 <sup>th</sup> August, 2016)	Excellent
261	Central Cottage Industries Corpn. Of India Ltd.	Textiles (O.M. No. 3/15/2016-CCIC Dated 19 <sup>th</sup> August, 2016)	Excellent
262	Birds Jute & Exports Ltd.	Textiles	Closed
263	British India Corpn. Ltd.	Textiles	Not operational
264	National Jute Manufactures Corpn. Ltd.	Textiles (O.M. No. 11/3/2015-Jute Dated: 9 <sup>th</sup> September, 2016)	Good
265	India Tourism Dev. Corpn. Ltd. (From CPSE)	Tourism (SEC:CGR:2011 Dated 27.10.2016)	Excellent
266	Assam Ashok Hotel Corpn. Ltd. (From CPSE)	Tourism (SEC:CGR:2011 Dated 27.10.2016)	Good



S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
267	Pondicherry Ashok Hotel Corpn. Ltd. (From CPSE)	Tourism (SEC:CGR:2011 Dated 27.10.2016)	Good
268	Donyi Polo Ashok Hotel Ltd. (From CPSE)	Tourism (SEC:CGR:2011 Dated 27.10.2016)	Good
269	Madhya Pradesh Ashok Hotel Corpn. Ltd. (From CPSE)	Tourism (SEC:CGR:2011 Dated 27.10.2016)	Good
270	Ranchi Bihar Ashok Hotel Corpn. Ltd. (From CPSE)	Tourism (O.M. No. 1/4/2011 PSU(I) Vol.-II Dated 3.5.2016)	Good
271	Kumarakruppa Frontier Hotels Ltd.	Tourism	Not Operational
272	Punjab Ashok Hotel Company Ltd.	Tourism	Under Construction
273	Utkal Ashok Hotel Corpn. Ltd.	Tourism	Not operational
274	National Scheduled Tribes Finance & Devp. Corpn.	Tribal Affairs (O.M. No. 20025/7/2013-SG-II Dated 19.05.2016)	Excellent
275	National Building Construction Corpn. Ltd..	Urban Development (O.M. No. O-17034/10/2009-PS Dated 20 <sup>th</sup> June, 2016)	Excellent
276	Air India Air Transport Services Ltd.	Civil Aviation	Poor (Not received)
277	Air India Charters Ltd.	Civil Aviation	Poor (Not received)
278	Air India Engineering Services Ltd.	Civil Aviation	Poor (Not received)
279	Air India Ltd.	Civil Aviation (O.M. No. Dy No. 172494/2016-AI Dated 23 <sup>rd</sup> December, 2016)	Very Good
280	Airline Allied Services Ltd.	Civil Aviation	Poor (Not received)
281	Airports Authority of India	Civil Aviation Civil Aviation (O.M. No. AV-31017/9/2016-C&W Dated 17 August, 2016)	Not Required to furnish report
282	Hotel Corpn. of India Ltd.	Civil Aviation	Poor (Not received)
283	Pawan Hans Ltd.	Civil Aviation (O.M. No. AV-31017/9/2016-C&W Dated 17 August, 2016)	Good
284	Andaman & Nicobar Isl. Forest & Plant Dev. Corpn. Ltd.	Environment, Forests Climate Change (O.M. Z-20017/40/2016-CPW dated 31.8.2016)	No operations
285	India Infrastructure Finance Co. Ltd.	Financial Services	Poor (Not received)

S.No.	Name of CPSEs (As on 31.3.2015 from PE Survey)	Name of administrative Ministry/ Department	Grading for the year 2015-16
286	Irrigation & Water Resources Fin. Corpn . Ltd.	Financial Services	Poor (Not received)
287	Delhi Police Housing Corpn. Ltd.	Home Affairs (No. 14014/01/2012-UTP Dated 8 <sup>th</sup> September, 2016)	Poor
288	Edcil India Ltd.	Higher Education (O.M. No.30- 25/2016-TS-II Dated 29 June, 2016)	Excellent
289	National Projects Construction Corpn. Ltd.	Water Resources (O.M. No. 3/8/2016- PSU/617 Dated 6.6.2016)	Excellent
290	WAPCOS Ltd.	Water Resources (O.M. No. 3/8/2016- PSU/617 Dated 6.6.2016)	Excellent
291	Sipat Transmission Ltd.	Ministry of Power	Under Construction
292	South-Central East Delhi Power Transmission Ltd.	Ministry of Power	Under Construction
293	IRCON PB Tollway Ltd.	Ministry of Railways	Under Construction
294	RaiTel Enterprises Ltd.	Ministry of Railways	Under Construction
295	National Highways & Infrastructure Development Corpn. Ltd.	Ministry of Road Transport and Highways	Under Construction
296	Karnataka Vijay Nagar Steel Ltd.	Ministry of Steel	Under Construction
297	Raipur-RajanandWarona Transmission Ltd.	Ministry of Power	Under Construction
298	BairaSiulSarna Transmission Ltd.	Ministry of Power	Under Construction

### **Annex 5.3: List of Miniratna CPSEs**

#### **Miniratna Category - I CPSEs**

1. Airports Authority of India
2. Antrix Corporation Limited
3. BalmerLawrie & Co. Limited
4. Bharat Coking Coal Limited
5. Bharat Dynamics Limited
6. BEML Limited
7. Bharat Sanchar Nigam Limited
8. Bridge & Roof Company (India) Limited
9. Central Warehousing Corporation
10. Central Coalfields Limited
11. Chennai Petroleum Corporation Limited
12. Cochin Shipyard Limited
13. Dredging Corporation of India Limited
14. EdCIL (India) Limited
15. Kamarajar Port Limited
16. Garden Reach Shipbuilders & Engineers Limited
17. Goa Shipyard Limited
18. Hindustan Copper Limited
19. HLL Lifecare Limited
20. Hindustan Newsprint Limited
21. Hindustan Paper Corporation Limited
22. Housing & Urban Development Corporation Limited
23. HSCC (India) Limited
24. India Tourism Development Corporation Limited
25. Indian Rare Earths Limited
26. Indian Railway Catering & Tourism Corporation Limited
27. Indian Renewable Energy Development Agency Limited
28. India Trade Promotion Organization
29. IRCON International Limited
30. KIOCL Limited
31. Mazagaon Dock Shipbuilders Limited
32. Mahanadi Coalfields Limited
33. Manganese Ore (India) Limited
34. Mangalore Refinery & Petrochemical Limited
35. Mishra Dhatu Nigam Limited
36. MMTC Limited
37. MSTC Limited
38. National Fertilizers Limited
39. National Small Industries Corporation Limited
40. National Seeds Corporation
41. NHPC Limited
42. Northern Coalfields Limited
43. North Eastern Electric Power Corporation Limited
44. Numaligarh Refinery Limited
45. ONGC Videsh Limited
46. Pawan Hans Helicopters Limited
47. Projects & Development India Limited
48. Railtel Corporation of India Limited
49. Rail Vikas Nigam Limited
50. Rashtriya Chemicals & Fertilizers Limited
51. RITES Limited
52. SJVN Limited
53. Security Printing and Minting Corporation of India Limited
54. South Eastern Coalfields Limited
55. State Trading Corporation of India Limited
56. Telecommunications Consultants India Limited
57. THDC India Limited
58. Western Coalfields Limited
59. WAPCOS Limited

**Miniratna Category-II CPSEs**

60. Artificial Limbs Manufacturing Corporation of India
61. Bharat Pumps & Compressors Limited
62. Broadcast Engineering Consultants (I) Limited
63. Central Mine Planning & Design Institute Limited
64. Central Railside Warehouse Company Limited
65. Engineering Projects (India) Limited
66. FCI Aravali Gypsum & Minerals India Limited
67. Ferro Scrap Nigam Limited
68. HMT (International) Limited
69. Indian Medicines & Pharmaceuticals Corporation Limited
70. MECON Limited
71. Mineral Exploration Corporation Limited
72. National Film Development Corporation Limited
73. PEC Limited
74. Rajasthan Electronics & Instruments Limited

## Annex 5.4: MoU Guidelines for the Year 2017-18 and onwards

1. **Memorandum of Understanding (MoU):** MoU is a negotiated agreement and contract between the Administrative Ministry/ Department/ Holding CPSE i.e. majority shareholder and the Management of the Central Public Sector Enterprise (CPSE) on selected parameters having targets decided normally before the start of a new financial year and results evaluated after the end of the year to measure the performance.
2. **Purpose of MoU:** The purpose of the MoU is to measure the performance of the management of the CPSEs on key selected parameters against the targets agreed upon so as to improve the critical performance indicators of the organisation.
3. **Scope:** All CPSEs (Holding as well as Subsidiaries) are required to sign MoUs. The Apex/Holding companies will sign MoUs with their administrative Ministries/ Departments, while the Subsidiary companies will sign MoUs with their respective Apex/ Holding companies.
4. **Exemption from MoU:**
  - 4.1 High Powered Committee in its meeting held on 8<sup>th</sup> March, 2017 had confirmed/ approved exemption to following CPSEs from signing of MoU:-
    - i. India Infrastructure Finance Co. Ltd., and its subsidiaries.
  - 4.2 Following CPSEs may be exempted from MoU system by the Inter-Ministerial Committee (IMC):
    - i. CPSEs under liquidation where Liquidator has already been appointed. However administrative ministry would provide the list of such CPSEs to DPE along-with brief write-up.
    - ii. CPSE which is not in operation or having no employees or on any other ground on the recommendation of administrative Ministry.
5. **Parameters:** CPSEs work in various sectors under different conditions. In view of this, the following guidelines are laid down:-
  - 5.1 There would be uniform parameters for measuring financial performances such as revenue from operations, operating profit and return on investment (e.g. ratio of PAT/Net-worth). This would be applicable to all CPSEs, except CPSEs which are dependent on government grant or performing functions of distribution of grant etc. e.g. Biotechnology Industry Research Assistance Council (BIRAC). Hence, 3 financial parameters have been prescribed for all CPSEs with total weightage of 50% except for CPSEs like BIRAC.
  - 5.2 For the remaining 50% weightage, a menu of parameters has been suggested for selection depending on the sector in which the CPSE is operating. Separate Format has been given for Finance Sector and another Format for the remaining operating CPSEs. The parameters most appropriate and relevant for measuring performance shall be suggested by the Pre-Negotiation Committee (PNC) to the Inter-Ministerial Committee (IMC). In all the cases IMC shall take appropriate decision on the suggestions made by PNC.
  - 5.3 Chairman, IMC is authorised to modify the parameters or weightages of parameters in sector specific cases, if justified.
  - 5.4 For CPSEs under closure/ under construction/ under reconstruction, parameters have not been prescribed leaving it to the PNC to suggest the most appropriate parameters and targets for IMC to take decisions. For such CPSEs, the emphasis should be to suggest parameters and fix targets for starting commercial operations as early as possible. For CPSEs under closure, the targets would be for ensuring time bound closure.
6. **MoU Ranking:**
  - i. With a view to distinguish 'excellent performance' from 'poor performance', five different performance ratings have been fixed



in the MoU, i.e., 'Excellent', 'Very Good', 'Good', 'Fair' and 'Poor'.

- ii. Apart from rating of CPSEs, MoU performance of all MoU signing CPSEs, there will be category-wise ranking of CPSEs (Maharatna, Navratna, Miniratna, others) and sector-wise ranking of CPSEs (Mining, Power, Petroleum, Finance, consultancy etc.) only for the purposes of acknowledging where they stand in their respective category/sector.

**7. MoU Targets:**

- i. Targets fixed should be realistic, growth oriented and aspirational. Generally target for Excellent should not be lower than best achieved in last 5 years and Very Good should not be lower than the expected achievement of the current year (year immediately preceding the year for which targets are being fixed) unless there are specific reasons to fix lower targets and are duly supported by the administrative ministry/ department.
- ii. Once MoUs are signed, any revision of targets would not be permissible. MoU targets are unconditional and non-provisional.

**8. Pre-negotiation Committee (PNC):** The role of the Pre-negotiation Committee (earlier known as Standing Committee on MoU) would be to assist IMC in determining the most appropriate and relevant parameters for measuring improvement in performance and for fixing targets. Meetings of the Pre-negotiation Committee would be held in each case before the meetings of IMC to look at the trends, discuss, negotiate and recommend MoU parameters and targets. The composition of Pre-negotiation Committee would remain the same of erstwhile Standing Committee.

**9. Inter-Ministerial Committee (IMC):** MoU targets would be decided by the IMC. There is no change in the composition of the Committee. Any change in the composition of the committee would be done with the approval of Cabinet Secretary.

**10. Time-lines for submission of MoU:** The draft MoU with all documents/ Annexures should be submitted to administrative Ministry/ Department in respect of all CPSEs and their subsidiaries by **21<sup>st</sup> November of each year** for the forthcoming year. The draft MoU after the approval of administrative Ministry/ Department should be sent to DPE by **15<sup>th</sup> December of each year** for the forthcoming year with all documents/Annexures. A copy of draft MoU may also be sent to IMC Members other than DPE. Secretary, DPE is authorized to extend the dates.

**11. Enclosures with Draft MoU:** CPSEs should send the Draft MoU in the relevant format along with all the annexures prescribed and documents mentioned below.

- i. MoU as per Annex I, Annex II (Part-A and Part-B or Part-C), and Annex III (Part-A and Part-B) duly filled in for CPSEs in operation and Annex (I & IV) for CPSEs under closure/ under construction/ reconstruction enclosed with these Guidelines.
- ii. Copy of latest Annual Report.
- iii. Latest quarterly/half-yearly results.
- iv. Copy of the latest Annual Plan and Annual Budget.
- v. Copy of Corporate Plan.
- vi. Minutes of the IMC meeting of previous year.

**12. MoU Signing Process:** MoU based on the parameters, targets and weightage recommended by IMC without any deviation shall be signed between CMD/ MD of CPSE and Secretary of administrative Ministry/ Department in case of holding/ independent CPSEs and between CEO/ MD of subsidiary company and CMD/ MD of holding CPSE in case of subsidiary by 31<sup>st</sup> March (i.e. before start of financial year in respect of which targets are fixed) or within 21 days from issue of IMC meeting minutes, whichever is later. In case, deviation is detected, IMC minutes would prevail.

**13. MoU Evaluation:** Evaluation of MoU of the CPSE is done after the end of the year on the basis of actual achievements vis-à-vis the MoU targets. CPSEs (Holding as well as Subsidiaries) are required to submit performance evaluation reports on the basis of audited accounts to Department of Public Enterprises after approval of the Board of CPSE and through the administrative Ministries/ Departments on or before **30<sup>th</sup> September (in respect of immediately preceding year) or any other date communicated by DPE.** Figures and information in the MoU achievement which are not verifiable from audited accounts would be relied on the basis of certification by way of resolution of the Board given separately for each parameter.

If at the time of evaluation, it is observed that any CPSE may have under-pitch their projected performance for the year concerned to have soft targets fixed. DPE/ IMC may call the CMD of such CPSE to clarify the matter for enabling the IMC to evaluate the performance and assign marks and rating based on justification given by the CMD.

**14. MoU Score and Rating:** MoU score is an aggregate of score on all parameters with respect to performance vis-à-vis the targets.

14.1 The system of rating of CPSEs on the basis of MoU Aggregate Score is as follows:-

Aggregated Score	Rating
90≤Score≤100	Excellent
70≤Score<90	Very Good
50≤Score<70	Good
33≤Score<50	Fair
0≤Score<33	Poor

14.2 Score and rating as per para 14.1 would be subject to fulfilling following criteria failing which aggregate MoU score would be reduced by 1 mark for each instance of non-compliance subject to maximum of 5 marks and the rating would be modified accordingly:

- i. Compliance of Provisions of The Companies Act, 2013 or the relevant Act under which they have been regulated (To the extent compliances are within the ambit of CPSEs).
  - ii. In case of listed CPSEs, compliance of provisions of Listing Agreement (To the extent compliances are within the ambit of CPSEs).
  - iii. Compliance of DPE Guidelines having financial implications.
  - iv. No adverse observations by CAG on Annual Accounts pointing out misappropriation of funds of any amount or Over statement of profit/ surplus/ assets or understatement of loss/ deficit/ liabilities amounting to 5% of Revenue from Operation.
  - v. Holding of AGM without seeking extension of time.
  - vi. Submission of Draft MoU/ MoU evaluation through administrative ministry/ department to DPE by prescribed date.
  - vii. Signing of MoU as prescribed without deviation from minutes of the IMC meeting.
  - viii. Compliance of Public Procurement Policy for Micro and Small Enterprises issued by M/o Micro Small and Medium Enterprises.
  - ix. Compliance of DPE guidelines on allocation of CSR fund by CPSEs for Swachh Bharat activities.
  - x. Compliance of DPE guidelines on Digital India.
  - xi. Compliance of DPE guidelines on any policy, issued from time to time, and prescribed specifically in this regard.
- 14.3 Compliance of each of additional eligibility criteria to be confirmed/ certified by Board of Directors by way of resolution.
- 15. CPSEs not signing of MoU or not submitting MoU evaluation:** The CPSEs who do not submit Draft MoU/ MoU evaluation through

their administrative Ministries/ Departments within a stipulated time of the prescribed date will be rated as 'poor'. Stipulated time would be decided by Secretary, DPE ( presently stipulated time is six months vide OM no M-03/0017/2016-DPE(MoU) dated 14.07.2017). The Prescribed dates are given in para 10 and 13 of the guidelines.

**16. Approval of Score and Rating:** DPE would carry out the evaluation of the performance

of CPSE based on the MoU evaluation received through the administrative ministries/ department. The results of MoU score and rating of CPSEs would be submitted to the IMC. IMC may scrutinize the evaluation and wherever it is felt necessary, modify the score and rating. The score and the ratings of the CPSEs would be submitted to chairman of the HPC for approval. Score and rating would be final after it is approved by the Chairman of the HPC.



**Statement  
and  
Appendieces**

## Statements and Appendices

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**STATEMENT - 1**  
**NET PROFIT / LOSS(-) IN CPSEs UNDER DIFERENT MINISTRIES / DEPARTMENTS**

(₹ in Lakhs)

S. No.	Ministry / Deptt. / CPSE	2016-17	2015-16	2014-15
<b>MINISTRY OF AGRICULTURE AND FARMERS WELFARE</b>				
<b>D/O AGRICULTURE COOPERATION AND FARMERS WELFARE</b>				
1	NATIONAL SEEDS CORPN. LTD.	5180	4971	3884
<b>SUB TOTAL :</b>		<b>5180</b>	<b>4971</b>	<b>3884</b>
<b>MINISTRY OF AGRICULTURE AND FARMERS WELFARE</b>				
<b>D/O AGRICULTURE RESEARCH AND EDUCATION</b>				
2	AGRINNOVATE INDIA LTD.	211	247	289
<b>SUB TOTAL :</b>		<b>211</b>	<b>247</b>	<b>289</b>
<b>MINISTRY OF AYUSH</b>				
3	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	302	-332	-14
<b>SUB TOTAL :</b>		<b>302</b>	<b>-332</b>	<b>-14</b>
<b>MINISTRY OF CHEMICALS &amp; FERTILIZERS</b>				
<b>D/O CHEMICALS &amp; PETROCHEMICALS</b>				
4	BRAHMAPUTRA CRACKERS & POLYMER LTD.	-54741	-27251	0
5	HINDUSTAN FLUOROCARBONS LIMITED	-489	-1111	-377
6	HINDUSTAN INSECTICIDES LTD.	326	183	160
7	HINDUSTAN ORGANIC CHEMICALS LTD.	-25557	-17391	-21549
<b>SUB TOTAL :</b>		<b>-80461</b>	<b>-45570</b>	<b>-21766</b>
<b>MINISTRY OF CHEMICALS &amp; FERTILIZERS</b>				
<b>D/O FERTILIZER</b>				
8	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	750	2850	64612
9	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	3603	3420	3537
10	FERTILIZER CORPN. OF INDIA LTD.	3010	865	19098
11	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	-18696	-45219	-39991
12	HINDUSTAN FERTILIZER CORPN. LTD.	165	934014	-38075
13	MADRAS FERTILIZERS LTD.	-2331	-18954	-13469
14	NATIONAL FERTILIZERS LTD.	20816	19862	2624
15	PROJECTS & DEVELOPMENT INDIA LTD.	-1058	-892	-586
16	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	17926	17264	32206
<b>SUB TOTAL :</b>		<b>24185</b>	<b>913210</b>	<b>29956</b>
<b>MINISTRY OF CHEMICALS &amp; FERTILIZERS</b>				
<b>D/O PHARMACEUTICALS</b>				
17	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	451	-913	-1732
18	HINDUSTAN ANTIBIOTICS LTD.	-7824	-7718	-7055
19	IDPL (TAMILNADU) LTD.	-239	-73	112
20	INDIAN DRUGS & PHARMACEUTICALS LTD.	-17002	-16608	-16721
21	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	3033	1951	1106
22	ORISSA DRUGS & CHEMICALS LTD.	146	146	135
23	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	-599	-599	-1976
<b>SUB TOTAL :</b>		<b>-22034</b>	<b>-23814</b>	<b>-26131</b>

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<b>MINISTRY OF CIVIL AVIATION</b>				
24	AIR INDIA AIR TRANSPORT SERVICES LTD.	6879	6879	6759
25	AIR INDIA ENGINEERING SERVICES LTD.	-40710	-40710	-24257
26	AIR INDIA EXPRESS LTD.	29675	36168	-6103
27	AIR INDIA LTD.	-395165	-383678	-585991
28	AIRLINE ALLIED SERVICES LTD.	-28272	-19875	-18392
29	AIRPORTS AUTHORITY OF INDIA	311593	253736	195922
30	HOTEL CORPN. OF INDIA LTD.	-5427	-5776	-5046
31	PAWAN HANS LTD.	26049	5716	3881
<b>SUB TOTAL :</b>		<b>-95378</b>	<b>-147540</b>	<b>-433227</b>
<b>MINISTRY OF COAL</b>				
32	BHARAT COKING COAL LTD.	-16998	60907	76314
33	CENTRAL COALFIELDS LTD.	138941	192940	177061
34	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	3882	914	2504
35	COAL INDIA LTD.	1450053	1659300	1338339
36	EASTERN COALFIELDS LTD.	613	72561	113940
37	MAHANADI COALFIELDLS LTD.	449201	419576	355410
38	NLC INDIA LTD.	236881	22800	157968
39	NLC TAMIL NADU POWER LTD.	8785	-16003	0
40	NORTHERN COALFIELDS LTD.	210331	275296	213417
41	SOUTH EASTERN COALFIELDS LTD.	203857	325755	365993
42	WESTERN COALFIELDS LTD.	-77703	29769	31314
<b>SUB TOTAL :</b>		<b>2607843</b>	<b>3043815</b>	<b>2832260</b>
<b>MINISTRY OF COMMERCE &amp; INDUSTRY</b>				
<b>D/O INDUSTRIAL POLICY &amp; PROMOTION</b>				
43	JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	643	0	0
<b>SUB TOTAL :</b>		<b>643</b>	<b>0</b>	<b>0</b>
<b>MINISTRY OF COMMERCE &amp; INDUSTRY</b>				
<b>D/O COMMERCE</b>				
44	E. C. G. C. LTD.	28214	27623	18010
45	INDIA TRADE PROMOTION ORGANISATION	17117	16386	20785
46	KARNATAKA TRADE PROMOTION ORGANISATION	5316	776	1246
47	M M T C LTD.	5706	5489	4791
48	P E C LTD.	-9210	-114202	-20854
49	STATE TRADING CORPN. OF INDIA LTD.	-16553	1786	2619
50	STCL LTD.	-56277	-48007	-41259
51	TAMIL NADU TRADE PROMOTION ORGANISATION	3156	2155	2343
<b>SUB TOTAL :</b>		<b>-22531</b>	<b>-107994</b>	<b>-12319</b>
<b>MINISTRY OF COMMUNICATION</b>				
<b>D/O TELECOMMUNICATIONS</b>				
52	BHARAT BROADBAND NETWORK LTD.	2285	-843	-29

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53	BHARAT SANCHAR NIGAM LTD.	-479321	-485916	-823409
54	I T I LTD.	30488	25119	-29712
55	MAHANAGAR TELEPHONE NIGAM LTD.	-294108	-194755	-289339
56	MILLENNIUM TELECOM LTD.	40	27	13
57	TCIL BINA TOLL ROAD LTD.	-1046	-1043	-942
58	TCIL LAKHNADONE TOLL ROAD LTD.	-464	-4	0
59	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	7082	5111	2137
<b>SUB TOTAL :</b>		<b>-735044</b>	<b>-652304</b>	<b>-1141281</b>
<b>MINISTRY OF COMMUNICATION</b>				
<b>D/O POST</b>				
60	INDIA POST PAYMENT BANK LTD	222	0	0
<b>SUB TOTAL :</b>		<b>222</b>	<b>0</b>	<b>0</b>
<b>MINISTRY OF COMSUMER AFFAIRS,FOOD &amp; PUBLIC DISTRIBUTION</b>				
<b>D/O FOOD &amp; PUBLIC DISTRIBUTION</b>				
61	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	1268	1114	1386
62	CENTRAL WAREHOUSING CORPN.	23122	19782	18212
63	FOOD CORPN. OF INDIA	0	0	0
<b>SUB TOTAL :</b>		<b>24390</b>	<b>20896</b>	<b>19598</b>
<b>MINISTRY OF DEFENCE</b>				
<b>D/O DEFENCE PRODUCTION</b>				
64	BEL OPTRONICS DEVICES LTD.	482	279	367
65	BEL-THALES SYSTEMS LTD.	-82	-245	0
66	BEML LTD.	8445	6366	676
67	BHARAT DYNAMICS LTD.	52406	56488	41857
68	BHARAT ELECTRONICS LTD.	154762	130736	116724
69	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	1223	16205	4345
70	GOA SHIPYARD LTD.	11741	6228	7824
71	HINDUSTAN AERONAUTICS LTD.	261563	199805	238805
72	HINDUSTAN SHIPYARD LTD.	5377	1900	-20284
73	MAZAGON DOCK SHIPBUILDERS LTD.	53349	56848	49159
74	MISHRA DHATU NIGAM LTD.	12631	11937	10213
75	VIGNYAN INDUSTRIES LTD.	48	73	-22
<b>SUB TOTAL :</b>		<b>561945</b>	<b>486620</b>	<b>449664</b>
<b>MINISTRY OF DEVELOPMENT OF NORTH EASTERN REGION</b>				
76	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	-305	-196	-440
77	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	-589	-589	-589
<b>SUB TOTAL :</b>		<b>-894</b>	<b>-785</b>	<b>-1029</b>
<b>MINISTRY OF ELECTRONIC &amp; INFORMATION TECHNOLOGY</b>				
78	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	6441	6969	5255

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<b>SUB TOTAL :</b>		<b>6441</b>	<b>6969</b>	<b>5255</b>
<b>MINISTRY OF ENVIRONMENT, FORESTS CLIMATE CHANGE</b>				
79	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORPLTD	-4970	-4970	-4509
<b>SUB TOTAL :</b>		<b>-4970</b>	<b>-4970</b>	<b>-4509</b>
<b>MINISTRY OF FINANCE</b>				
<b>D/O FINANCIAL SERVICES</b>				
80	IIFCL ASSET MANAGEMENT COMPANY LTD.	101	94	0
81	IIFCL PROJECTS LTD.	141	235	0
82	INDIA INFRASTRUCTURE FINANCE CO. LTD.	6790	46850	75340
83	IRRIGATION & WATER RESOURCES FINANCE CORPORATION LTD.	0	0	642
<b>SUB TOTAL :</b>		<b>7032</b>	<b>47179</b>	<b>75982</b>
<b>MINISTRY OF FINANCE</b>				
<b>D/O ECONOMIC AFFAIRS</b>				
84	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	65241	37459	-35207
<b>SUB TOTAL :</b>		<b>65241</b>	<b>37459</b>	<b>-35207</b>
<b>MINISTRY OF HEALTH &amp; FAMILY WELFARE</b>				
<b>DEPARTMENT OF HEALTH AND FAMILY WELFARE</b>				
85	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	787	269	180
86	HLL BIOTECH LTD.	-472	-610	-7
87	HLL INFRA TECH SERVICES LTD.	278	116	0
88	HLL LIFECARE LTD.	-2538	2714	3155
89	HSCC (INDIA) LTD.	3761	5462	2454
<b>SUB TOTAL :</b>		<b>1816</b>	<b>7951</b>	<b>5782</b>
<b>MINISTRY OF HEAVY INDUSTRIES &amp; PUBLIC ENTERPRISES</b>				
<b>D/O HEAVY INDUSTRIES</b>				
90	ANDREW YULE & COMPANY LTD.	2739	835	1296
91	BHARAT BHARI UDYOG NIGAM LTD.	0	0	92
92	BHARAT HEAVY ELECTRICALS LTD.	49586	-70960	141929
93	BHARAT PUMPS & COMPRESSORS LTD.	-8447	-7506	-5504
94	BHEL ELECTRICAL MACHINES LTD.	-424	-298	-396
95	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	1765	4440	4823
96	BRIDGE & ROOF CO.(INDIA) LTD.	1637	265	1200
97	CEMENT CORPN. OF INDIA LTD.	4233	5351	4008
98	ENGINEERING PROJECTS (INDIA) LTD.	269	2455	2709
99	HEAVY ENGINEERING CORPN. LTD.	-8227	-14477	-24169
100	HINDUSTAN CABLES LTD.	234846	-99412	-93299
101	HINDUSTAN NEWSPRINT LTD.	-6014	-4361	-781
102	HINDUSTAN PAPER CORPORATION LTD.	-37014	-37014	-33129
103	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	-291716	-252791	-216436
104	HINDUSTAN SALTS LTD.	40	-113	-495
105	HMT (INTERNATIONAL) LTD.	7	58	52

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106	HMT BEARINGS LTD.	-378	-809	-1777
107	HMT CHINAR WATCHES LTD.	91	-1242	-4905
108	HMT LTD.	-23949	-1714	-9657
109	HMT MACHINE TOOLS LTD.	-12759	-10666	-13494
110	HMT WATCHES LTD.	-20356	-15557	-25920
111	HOOGHLY PRINTING COMPANY LTD.	-3	13	7
112	INSTRUMENTATION LTD.	-9151	-17050	-14154
113	NAGALAND PULP & PAPER COMPANY LTD.	-1739	-1739	-1538
114	NEPA LTD.	-6862	-7012	-4871
115	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	1215	1222	1445
116	RICHARDSON & CRUDDAS(1972) LTD.	1494	-1006	-365
117	SAMBHAR SALTS LTD.	-855	-890	-983
118	SCOOTERS INDIA LTD.	-1028	548	1109
119	TUNGABHADRA STEEL PRODUCTS LTD.	-2887	-2887	-2887
<b>SUB TOTAL :</b>		<b>-133887</b>	<b>-532317</b>	<b>-296090</b>
<b>MINISTRY OF HOME AFFAIRS</b>				
120	DELHI POLICE HOUSING CORPORATION LTD.	-19	115	109
<b>SUB TOTAL :</b>		<b>-19</b>	<b>115</b>	<b>109</b>
<b>MINISTRY OF HOUSING &amp; URBAN AFFAIRS</b>				
121	HINDUSTAN PREFAB LTD.	570	1005	528
122	HOUSING & URBAN DEV. CORPN. LTD.	84181	78379	77763
123	NBCC (INDIA) LTD.	35110	28695	27730
124	NBCC ENGINEERING AND CONSULTANCY LTD.	-17	-8	0
125	NBCC SERVICES LTD.	681	577	0
<b>SUB TOTAL :</b>		<b>120525</b>	<b>108648</b>	<b>106021</b>
<b>MINISTRY OF HUMAN RESOURCE DEVELOPMENT</b>				
<b>D/O HIGHER EDUCATION</b>				
126	EdCIL(India) Ltd.	2845	3096	509
<b>SUB TOTAL :</b>		<b>2845</b>	<b>3096</b>	<b>509</b>
<b>MINISTRY OF INFORMATION &amp; BROADCASTING</b>				
127	BROADCAST ENGG. CONSULTANTS INDIA LTD.	204	-622	-139
128	NATIONAL FILM DEV. CORPN. LTD.	-191	1310	-919
<b>SUB TOTAL :</b>		<b>13</b>	<b>688</b>	<b>-1058</b>
<b>MINISTRY OF MICRO SMALL &amp; MEDIUM ENTERPRISES</b>				
129	NATIONAL SMALL INDUSTRIES CORPN. LTD.	10640	10146	8860
<b>SUB TOTAL :</b>		<b>10640</b>	<b>10146</b>	<b>8860</b>



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<b>MINISTRY OF MINES</b>				
130	HINDUSTAN COPPER LTD.	6194	3774	6760
131	MINERAL EXPLORATION CORPN. LTD.	10486	7676	5944
132	NATIONAL ALUMINIUM COMPANY LTD.	66853	78711	132185
<b>SUB TOTAL :</b>		<b>83533</b>	<b>90161</b>	<b>144889</b>
<b>MINISTRY OF MINORITIES AFFAIRS</b>				
133	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	4839	2254	3439
<b>SUB TOTAL :</b>		<b>4839</b>	<b>2254</b>	<b>3439</b>
<b>MINISTRY OF NEW AND RENEWABLE ENERGY</b>				
134	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	36502	29804	27191
135	SOLAR ENERGY CORPORATION OF INDIA	4654	1910	1060
<b>SUB TOTAL :</b>		<b>41156</b>	<b>31714</b>	<b>28251</b>
<b>MINISTRY OF PETROLEUM &amp; NATURAL GAS</b>				
136	BALMER LAWRIE & CO. LTD.	17042	16435	14744
137	BALMER LAWRIE INVESTMENTS LTD.	3880	3563	3569
138	BHARAT PETRO RESOURCES LTD.	-20298	-5589	-3429
139	BHARAT PETROLEUM CORPN. LTD.	803930	705636	508451
140	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	1021	979	876
141	CHENNAI PETROLEUM CORPORATION LTD.	102975	74187	-3899
142	CREDA HPCL BIOFUEL LTD.	-375	-716	-507
143	ENGINEERS INDIA LTD.	32504	27619	30798
144	GAIL (INDIA) LTD.	350291	222643	303917
145	GAIL GAS LTD.	6502	3979	1684
146	HINDUSTAN PETROLEUM CORPN. LTD.	620880	372616	273326
147	HPCL BIOFUELS LTD.	-3072	-6137	-8437
148	INDIAN OIL CORPORATION LTD.	1910640	1124223	527303
149	INDIAN OIL-CREDA BIOFUELS LTD.	-627	-19	-1376
150	MANGALORE REFINERY & PETROCHEMICALS LTD.	364369	114694	-171223
151	NUMALIGARH REFINERY LTD.	210056	120982	71831
152	OIL & NATURAL GAS CORPORATION LTD.	1789997	1613993	1773295
153	OIL INDIA LTD.	154868	230167	251020
154	ONGC MANGALORE PETROCHEMICALS LTD.	-36618	-64887	0
155	ONGC VIDESH LTD.	69745	-364010	190422
156	PETRONET CCK LTD.	5841	5962	0
157	PRIZE PETROLEUM COMPANY LTD.	-1495	-4888	208
<b>SUB TOTAL :</b>		<b>6382056</b>	<b>4191432</b>	<b>3762573</b>

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<b>MINISTRY OF POWER</b>				
158	BHARTIYA RAIL BIJLEE CO. LTD.	766	-3	0
159	KANTI BIJLEE UTPADAN NIGAM LTD.	-2193	-5821	1724
160	NHDC LTD.	93128	63887	76646
161	NHPC LTD.	279559	242989	212447
162	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	24046	30820	31854
163	NTPC ELECTRIC SUPPLY COMPANY LTD.	-18	113	126
164	NTPC LTD.	938526	1076960	1029086
165	NTPC VIDYUT VYAPAR NIGAM LTD.	7644	5196	4361
166	PATRATU VIDYUT UTPADAN NIGAM LTD.	-7	-1	0
167	PFC CAPITAL ADVISORY SERVICE LTD.	106	133	185
168	PFC CONSULTING LTD.	5785	3706	2170
169	PFC GREEN ENERGY LTD.	3015	2260	1891
170	POWER FINANCE CORPORATION LTD.	212639	611348	595933
171	POWER GRID CORPORATION OF INDIA LTD.	752015	594850	497917
172	POWER GRID WARORA TRANSMISSION LTD.	132	0	0
173	POWER SYSTEM OPERATION CORPORATION LTD.	2389	5549	4804
174	POWERGRID NM TRANSMISSION LTD.	-1895	0	0
175	POWERGRID UNCHAHAR TRANSMISSION LTD.	-6	0	0
176	POWERGRID VIZAG TRANSMISSION LTD.	-2194	296	0
177	REC POWER DISTRIBUTION CO. LTD.	4033	3617	3477
178	REC TRANSMISSION PROJECTS CO. LTD.	3446	2881	4754
179	RURAL ELECTRIFICATION CORPN. LTD.	624576	562766	525987
180	SJVN LTD.	154414	140734	167675
181	THDC INDIA LTD.	71393	81898	69115
<b>SUB TOTAL :</b>		<b>3171299</b>	<b>3424178</b>	<b>3230152</b>
<b>MINISTRY OF RAILWAYS</b>				
182	BHARAT WAGON & ENGG. CO. LTD.	-1434	-1526	-1568
183	BRAITHWAITE & CO. LTD.	-895	64	-4461
184	BURN STANDARD COMPANY LTD.	-3351	-2837	-2466
185	CONCOR AIR LTD.	784	1494	1134
186	CONTAINER CORPORATION OF INDIA LTD.	85802	95082	104755
187	FRESH & HEALTHY ENTERPRISES LTD.	-1365	-2591	-1447
188	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	21171	19730	13063
189	INDIAN RAILWAY FINANCE CORPORATION LTD.	93381	84869	75830
190	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	-454	115	198
191	IRCON INFRASTRUCTURE & SERVICES LTD.	1236	1422	1093
192	IRCON INTERNATIONAL LTD.	36903	39504	57939
193	IRCON PB TOLLWAY LTD.	54	381	0

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194	IRCON SHIVPURI GUNA TOLLWAY LTD.	39	-91	0
195	KONKAN RAILWAY CORPORATION LTD.	6197	13396	3939
196	MUMBAI RAILWAY VIKAS CORPORATION LTD.	2338	4021	3657
197	RAIL VIKAS NIGAM LTD.	38502	30402	18572
198	RAILTEL CORPORATION INDIA LTD.	12882	10196	12094
199	RAILTEL ENTERPRISES LTD.	134	85	13
200	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	1836	313	22
201	BITES INFRASTRUCTURE SERVICES LTD.	-10	-42	10
202	BITES LTD.	33082	33944	30614
203	SIDCUL CONCOR INFRA COMPANY LTD.	-1296	239	0
<b>SUB TOTAL :</b>		<b>325536</b>	<b>328170</b>	<b>312991</b>
<b>MINISTRY OF ROAD TRANSPORT AND HIGHWAYS</b>				
204	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	1375	1123	0
<b>SUB TOTAL :</b>		<b>1375</b>	<b>1123</b>	<b>0</b>
<b>MINISTRY OF SCIENCE &amp; TECHNOLOGY</b>				
<b>DEPT. OF BIOTECHNOLOGY</b>				
205	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	675	-621	155
206	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	92	328	141
207	INDIAN VACCINE CORP. LTD.	-20	-208	-164
<b>SUB TOTAL :</b>		<b>747</b>	<b>-501</b>	<b>132</b>
<b>MINISTRY OF SCIENCE &amp; TECHNOLOGY</b>				
<b>DEPT. OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH</b>				
208	CENTRAL ELECTRONICS LTD.	1682	856	406
209	NATIONAL RESEARCH DEVELOPMENT CORPN.	86	6	-76
<b>SUB TOTAL :</b>		<b>1768</b>	<b>862</b>	<b>330</b>
<b>MINISTRY OF SHIPPING</b>				
210	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	853	-289	887
211	COCHIN SHIPYARD LTD.	32215	27269	23507
212	DREDGING CORPN. OF INDIA LTD.	740	4191	6241
213	HOOGHLY DOCK AND PORT ENGINEERS LTD.	4146	-1980	248
214	KAMARAJAR PORT LTD.	47240	37581	33657
215	SHIPPING CORPORATION OF INDIA LTD.	13552	75329	20093
<b>SUB TOTAL :</b>		<b>98746</b>	<b>142101</b>	<b>84633</b>
<b>MINISTRY OF SOCIAL JUSTICE &amp; EMPOWERMENT</b>				
<b>DEPT. OF EMPOWERMENT OF PERSONS WITH DISABILITY</b>				
216	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	5574	4620	3165
217	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	109	838	959
<b>SUB TOTAL :</b>		<b>5683</b>	<b>5458</b>	<b>4124</b>

S. No.	Ministry / Deptt. / CPSE	2016-17	2015-16	2014-15
<b>MINISTRY OF SOCIAL JUSTICE &amp; EMPOWERMENT</b>				
<b>DEPT. OF SOCIAL JUSTICE &amp; EMPOWERMENT</b>				
218	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	2554	2385	3734
219	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	1817	1043	886
220	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	4962	4412	3614
<b>SUB TOTAL :</b>		<b>9333</b>	<b>7840</b>	<b>8234</b>
<b>MINISTRY OF STEEL</b>				
221	EASTERN INVESTMENT LTD.	85	144	-1272
222	FERRO SCRAP NIGAM LTD.	2375	3960	1710
223	HINDUSTAN STEELWORKS COSTN. LTD.	-1728	3690	-811
224	J & K MINERAL DEVELOPMENT CORPN. LTD.	-85	-165	-80
225	KIOCL LTD.	4793	-8015	3082
226	M S T C LTD.	6543	6010	9099
227	MECON LTD.	-8384	-16241	2027
228	MOIL LTD.	30583	17298	42801
229	NMDC Ltd.	258914	271222	642186
230	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	656	1094	1770
231	RASHTRIYA ISPAT NIGAM LTD.	-126316	-160372	6238
232	SAIL REFRACTORY COMPANY LTD.	2101	1589	2423
233	STEEL AUTHORITY OF INDIA LTD.	-283324	-402144	209268
234	THE BISRA STONE LIME COMPANY LTD.	-1773	-1664	-2727
<b>SUB TOTAL :</b>		<b>-115560</b>	<b>-283594</b>	<b>915714</b>
<b>MINISTRY OF TEXTILES</b>				
235	BIRDS JUTE & EXPORTS LTD.	-485	-464	-585
236	BRITISH INDIA CORPORATION LTD.	-10498	-9724	-9494
237	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	8	21	93
238	COTTON CORPN. OF INDIA LTD.	744	1169	2259
239	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	-3053	-1076	340
240	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	2888	2408	2540
241	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	475	731	-49
242	NATIONAL TEXTILE CORPN. LTD.	97316	500	-31625
243	THE JUTE CORPN. OF INDIA LTD.	920	1089	1055
<b>SUB TOTAL :</b>		<b>88315</b>	<b>-5346</b>	<b>-35466</b>
<b>MINISTRY OF TOURISM</b>				
244	ASSAM ASHOK HOTEL CORPN. LTD.	-155	-155	-119
245	DONYI POLO ASHOK HOTEL LTD.	-4	1	-3
246	INDIA TOURISM DEV. CORPN. LTD.	1205	2255	3437
247	KUMARAKRUPPA FRONTIER HOTELS LTD.	745	683	600

S. No.	Ministry / Deptt. / CPSE	2016-17	2015-16	2014-15
248	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	16	-35	5
249	PONDICHERRY ASHOK HOTEL CORPN. LTD.	43	-21	-31
250	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	-211	-168	-107
251	UTKAL ASHOK HOTEL CORPN. LTD.	-128	-197	-70
<b>SUB TOTAL :</b>		<b>1511</b>	<b>2363</b>	<b>3712</b>
<b>MINISTRY OF TRIBAL AFFAIRS</b>				
252	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	2255	2159	2209
<b>SUB TOTAL :</b>		<b>2255</b>	<b>2159</b>	<b>2209</b>
<b>MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT &amp; GANGA REJUVENATION</b>				
253	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	2884	1081	1359
254	WAPCOS LTD.	10702	8383	7293
<b>SUB TOTAL :</b>		<b>13586</b>	<b>9464</b>	<b>8652</b>
<b>DEPT. OF ATOMIC ENERGY</b>				
255	ELECTRONICS CORPN. OF INDIA LTD.	5647	7548	5018
256	INDIAN RARE EARTHS LTD.	5074	-10612	67
257	NUCLEAR POWER CORPN. OF INDIA LTD.	254436	270213	220075
258	URANIUM CORPORATION OF INDIA LTD.	12794	9984	818
<b>SUB TOTAL :</b>		<b>277951</b>	<b>277133</b>	<b>225978</b>
<b>DEPT. OF SPACE</b>				
259	ANTRIX CORPORATION LTD.	21801	20540	20510
<b>SUB TOTAL :</b>		<b>21801</b>	<b>20540</b>	<b>20510</b>
<b>GRAND TOTAL :</b>		<b>12760186</b>	<b>11423895</b>	<b>10286595</b>



**STATEMENT - 2**  
**DIVIDEND DECLARED BY CPSEs (COGNATE GROUP WISE)**

(₹ in Lakhs)

S. No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
<b>AGRO BASED INDUSTRIES</b>				
1	NATIONAL SEEDS CORPN. LTD.	1147	813	813
<b>SUB TOTAL :</b>		<b>1147</b>	<b>813</b>	<b>813</b>
<b>COAL</b>				
2	CENTRAL COALFIELDS LTD.	363404	171174	35474
3	COAL INDIA LTD.	1235276	1730684	1307488
4	MAHANADI COALFIELDS LTD.	298200	360845	384182
5	NORTHERN COALFIELDS LTD.	168000	365992	456399
6	SOUTH EASTERN COALFIELDS LTD.	213347	639032	338077
7	WESTERN COALFIELDS LTD.	0	76966	18806
<b>SUB TOTAL :</b>		<b>2278227</b>	<b>3344693</b>	<b>2540426</b>
<b>CRUDE OIL</b>				
8	OIL & NATURAL GAS CORPORATION LTD.	951798	491942	812772
9	OIL INDIA LTD.	124235	108205	120228
<b>SUB TOTAL :</b>		<b>1076033</b>	<b>600147</b>	<b>933000</b>
<b>OTHER MINERALS &amp; METALS</b>				
10	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	1187	1026	936
11	HINDUSTAN COPPER LTD.	0	1388	1388
12	INDIAN RARE EARTHS LTD.	0	2079	1727
13	KIOCL LTD.	0	635	635
14	MOIL LTD.	6659	8400	14280
15	NATIONAL ALUMINIUM COMPANY LTD.	68619	45102	45102
16	NMDC Ltd.	131302	487661	338983
17	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	159	266	266
18	URANIUM CORPORATION OF INDIA LTD.	3064	164	164
<b>SUB TOTAL :</b>		<b>210990</b>	<b>546721</b>	<b>403481</b>
<b>STEEL</b>				
19	FERRO SCRAP NIGAM LTD.	888	642	342
20	MISHRA DHATU NIGAM LTD.	3541	3347	3747
21	RASHTRIYA ISPAT NIGAM LTD.	0	0	2535
22	STEEL AUTHORITY OF INDIA LTD.	0	10326	82610
<b>SUB TOTAL :</b>		<b>4429</b>	<b>14315</b>	<b>89234</b>
<b>PETROLEUM (REFINERY &amp; MARKETING)</b>				
23	BHARAT PETROLEUM CORPN. LTD.	564006	278387	162694
24	CHENNAI PETROLEUM CORPORATION LTD.	5956	0	0

S. No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
25	HINDUSTAN PETROLEUM CORPN. LTD.	347770	145610	82964
26	INDIAN OIL CORPORATION LTD.	1054542	286753	160245
27	NUMALIGARH REFINERY LTD.	99310	55172	29425
<b>SUB TOTAL :</b>		<b>2071584</b>	<b>765922</b>	<b>435328</b>
<b>FERTILIZERS</b>				
28	NATIONAL FERTILIZERS LTD.	5936	834	834
29	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	6069	9930	9930
<b>SUB TOTAL :</b>		<b>12005</b>	<b>10764</b>	<b>10764</b>
<b>CHEMICALS &amp; PHARMACEUTICALS</b>				
30	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	202	189
<b>SUB TOTAL :</b>		<b>0</b>	<b>202</b>	<b>189</b>
<b>HEAVY &amp; MEDIUM ENGINEERING</b>				
31	BALMER LAWRIE & CO. LTD.	5700	4814	5130
32	BHARAT DYNAMICS LTD.	10136	10243	8371
33	BHARAT ELECTRONICS LTD.	61604	24560	23360
34	BHARAT HEAVY ELECTRICALS LTD.	29371	15175	28392
35	COCHIN SHIPYARD LTD.	8666	1699	1699
36	ELECTRONICS CORPN. OF INDIA LTD.	1491	1003	1004
37	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	5322	2477	2477
38	GOA SHIPYARD LTD.	1862	1571	1571
39	HINDUSTAN AERONAUTICS LTD.	91732	51000	48000
40	MAZAGON DOCK SHIPBUILDERS LTD.	19920	10000	10000
41	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	421	204	204
42	SAIL REFRACTORY COMPANY LTD.	0	480	480
<b>SUB TOTAL :</b>		<b>236225</b>	<b>123226</b>	<b>130688</b>
<b>TRANSPORTATION VEHICLE &amp; EQUIPMENT</b>				
43	BEML LTD.	1666	416	416
<b>SUB TOTAL :</b>		<b>1666</b>	<b>416</b>	<b>416</b>
<b>INDUSTRIAL AND CONSUMER GOODS</b>				
44	ANDREW YULE & COMPANY LTD.	0	0	334
45	HLL LIFECARE LTD.	387	387	387
46	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	6092	0	0
<b>SUB TOTAL :</b>		<b>6479</b>	<b>387</b>	<b>721</b>
<b>POWER GENERATION</b>				
47	NHDC LTD.	40037	23158	23158
48	NHPC LTD.	252413	146133	66427
49	NLC INDIA LTD.	132330	46970	46976
50	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	11017	9215	9556
51	NTPC LTD.	359503	276224	206138

S. No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
52	NUCLEAR POWER CORPN. OF INDIA LTD.	64628	74400	63913
53	SJVN LTD.	112516	43522	43435
54	THDC INDIA LTD.	30389	14000	14000
<b>SUB TOTAL :</b>		<b>1002833</b>	<b>633622</b>	<b>473603</b>
<b>POWER TRANSMISSION</b>				
55	POWER GRID CORPORATION OF INDIA LTD.	131312	110387	104632
56	REC POWER DISTRIBUTION CO. LTD.	0	1085	50
57	REC TRANSMISSION PROJECTS CO. LTD.	0	865	951
<b>SUB TOTAL :</b>		<b>131312</b>	<b>112337</b>	<b>105633</b>
<b>TRADING &amp; MARKETING</b>				
58	ANTRIX CORPORATION LTD.	4300	6112	4112
59	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	0	9	19
60	COTTON CORPN. OF INDIA LTD.	225	351	500
61	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	0	0	35
62	HMT (INTERNATIONAL) LTD.	0	14	14
63	M M T C LTD.	3000	2500	2500
64	M S T C LTD.	3476	1822	1822
65	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	870	731	511
66	NTPC VIDYUT VYAPAR NIGAM LTD.	0	2000	2000
67	THE JUTE CORPN. OF INDIA LTD.	276	0	0
<b>SUB TOTAL :</b>		<b>12147</b>	<b>13539</b>	<b>11513</b>
<b>TRANSPORT AND LOGISTIC SERVICES</b>				
68	AIRPORTS AUTHORITY OF INDIA	93478	76121	39185
69	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	608	406	608
70	CENTRAL WAREHOUSING CORPN.	9652	5982	3671
71	CONCOR AIR LTD.	257	183	0
72	CONTAINER CORPORATION OF INDIA LTD.	29440	26128	26127
73	DREDGING CORPN. OF INDIA LTD.	840	840	840
74	GAIL (INDIA) LTD.	145875	69766	76108
75	GAIL GAS LTD.	804	0	0
76	KAMARAJAR PORT LTD.	7221	16935	9600
77	PAWAN HANS LTD.	1282	1548	776
78	PETRONET CCK LTD.	12000	500	0
<b>SUB TOTAL :</b>		<b>301457</b>	<b>198409</b>	<b>156915</b>
<b>CONTRACT &amp; CONSTRUCTION AND TECH. CONSULTANCY SERVICES</b>				
79	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	636	1332	0
80	BRIDGE & ROOF CO.(INDIA) LTD.	491	0	137
81	BROADCAST ENGG. CONSULTANTS INDIA LTD.	61	0	0

S. No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
82	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	500	450	450
83	EdCIL(India) Ltd.	0	1000	200
84	ENGINEERING PROJECTS (INDIA) LTD.	0	1082	708
85	ENGINEERS INDIA LTD.	23586	13477	16847
86	HLL INFRA TECH SERVICES LTD.	142	35	0
87	HSCC (INDIA) LTD.	1128	1638	492
88	IRCON INTERNATIONAL LTD.	18423	18212	18212
89	MECON LTD.	0	0	909
90	MINERAL EXPLORATION CORPN. LTD.	3587	2307	1195
91	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	104	0	0
92	NATIONAL SMALL INDUSTRIES CORPN. LTD.	3126	2905	1702
93	NBCC (INDIA) LTD.	16770	6600	6600
94	NBCC SERVICES LTD.	220	0	0
95	POWER SYSTEM OPERATION CORPORATION LTD.	356	2007	1992
96	PROJECTS & DEVELOPMENT INDIA LTD.	0	185	0
97	RAIL VIKAS NIGAM LTD.	25710	3720	3720
98	RITES LTD.	14600	7700	6200
99	SOLAR ENERGY CORPORATION OF INDIA	0	191	0
100	WAPCOS LTD.	0	2525	1650
<b>SUB TOTAL :</b>		<b>109440</b>	<b>65366</b>	<b>61014</b>
<b>HOTEL AND TOURIST SERVICES</b>				
101	INDIA TOURISM DEV. CORPN. LTD.	0	1287	1715
102	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	11295	2613	2613
<b>SUB TOTAL :</b>		<b>11295</b>	<b>3900</b>	<b>4328</b>
<b>FINANCIAL SERVICES</b>				
103	BALMER LAWRIE INVESTMENTS LTD.	3774	2775	2775
104	E. C. G. C. LTD.	7250	6500	4800
105	EASTERN INVESTMENT LTD.	17	29	0
106	HOUSING & URBAN DEV. CORPN. LTD.	10001	10001	10001
107	INDIA INFRASTRUCTURE FINANCE CO. LTD.	0	0	28254
108	INDIAN RAILWAY FINANCE CORPORATION LTD.	37352	33948	15200
109	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	12550	15000	5440
110	KUMARAKRUPPA FRONTIER HOTELS LTD.	0	487	439
111	POWER FINANCE CORPORATION LTD.	132004	183486	120124
112	RURAL ELECTRIFICATION CORPN. LTD.	138244	168855	105658
<b>SUB TOTAL :</b>		<b>341192</b>	<b>421081</b>	<b>292691</b>
<b>TELECOMMUNICATION &amp; INFORMATION TECHNOLOGY</b>				
113	RAILTEL CORPORATION INDIA LTD.	4453	2200	1700
114	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	365	236	258
<b>SUB TOTAL :</b>		<b>4818</b>	<b>2436</b>	<b>1958</b>
<b>GRAND TOTAL :</b>		<b>7813279</b>	<b>6858296</b>	<b>5652715</b>

**STATEMENT - 3**  
**NET PROFIT OF PROFIT MAKING CPSEs (COGNATE GROUP WISE )**

(₹ in Lakhs)

S. No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
<b>AGRO BASED INDUSTRIES</b>				
1	NATIONAL SEEDS CORPN. LTD.	5180	4971	3884
<b>SUB TOTAL :</b>		<b>5180</b>	<b>4971</b>	<b>3884</b>
<b>COAL</b>				
2	CENTRAL COALFIELDS LTD.	138941	192940	177061
3	COAL INDIA LTD.	1450053	1659300	1338339
4	EASTERN COALFIELDS LTD.	613	72561	113940
5	MAHANADI COALFIELDLS LTD.	449201	419576	355410
6	NORTHERN COALFIELDS LTD.	210331	275296	213417
7	SOUTH EASTERN COALFIELDS LTD.	203857	325755	365993
<b>SUB TOTAL :</b>		<b>2452996</b>	<b>2945428</b>	<b>2564160</b>
<b>CRUDE OIL</b>				
8	OIL & NATURAL GAS CORPORATION LTD.	1789997	1613993	1773295
9	OIL INDIA LTD.	154868	230167	251020
10	ONGC VIDESH LTD.	69745	-364010	190422
<b>SUB TOTAL :</b>		<b>2014610</b>	<b>1480150</b>	<b>2214737</b>
<b>OTHER MINERALS &amp; METALS</b>				
11	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	3603	3420	3537
12	HINDUSTAN COPPER LTD.	6194	3774	6760
13	INDIAN RARE EARTHS LTD.	5074	-10612	67
14	KIOCL LTD.	4793	-8015	3082
15	MOIL LTD.	30583	17298	42801
16	NATIONAL ALUMINIUM COMPANY LTD.	66853	78711	132185
17	NMDC Ltd.	258914	271222	642186
18	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	656	1094	1770
19	URANIUM CORPORATION OF INDIA LTD.	12794	9984	818
<b>SUB TOTAL :</b>		<b>389464</b>	<b>366876</b>	<b>833206</b>
<b>STEEL</b>				
20	FERRO SCRAP NIGAM LTD.	2375	3960	1710
21	MISHRA DHATU NIGAM LTD.	12631	11937	10213
<b>SUB TOTAL :</b>		<b>15006</b>	<b>15897</b>	<b>11923</b>
<b>PETROLEUM (REFINERY &amp; MARKETING)</b>				
22	BHARAT PETROLEUM CORPN. LTD.	803930	705636	508451
23	CHENNAI PETROLEUM CORPORATION LTD.	102975	74187	-3899
24	HINDUSTAN PETROLEUM CORPN. LTD.	620880	372616	273326
25	INDIAN OIL CORPORATION LTD.	1910640	1124223	527303



S. No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
26	MANGALORE REFINERY & PETROCHEMICALS LTD.	364369	114694	-171223
27	NUMALIGARH REFINERY LTD.	210056	120982	71831
<b>SUB TOTAL :</b>		<b>4012850</b>	<b>2512338</b>	<b>1205789</b>
<b>FERTILIZERS</b>				
28	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	750	2850	64612
29	FERTILIZER CORPN. OF INDIA LTD.	3010	865	19098
30	HINDUSTAN FERTILIZER CORPN. LTD.	165	934014	-38075
31	NATIONAL FERTILIZERS LTD.	20816	19862	2624
32	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	17926	17264	32206
<b>SUB TOTAL :</b>		<b>42667</b>	<b>974855</b>	<b>80465</b>
<b>CHEMICALS &amp; PHARMACEUTICALS</b>				
33	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	451	-913	-1732
34	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	675	-621	155
35	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	787	269	180
36	HINDUSTAN INSECTICIDES LTD.	326	183	160
37	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	302	-332	-14
38	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	3033	1951	1106
39	ORISSA DRUGS & CHEMICALS LTD.	146	146	135
<b>SUB TOTAL :</b>		<b>5720</b>	<b>683</b>	<b>-10</b>
<b>HEAVY &amp; MEDIUM ENGINEERING</b>				
40	BALMER LAWRIE & CO. LTD.	17042	16435	14744
41	BEL OPTRONICS DEVICES LTD.	482	279	367
42	BHARAT DYNAMICS LTD.	52406	56488	41857
43	BHARAT ELECTRONICS LTD.	154762	130736	116724
44	BHARAT HEAVY ELECTRICALS LTD.	49586	-70960	141929
45	CENTRAL ELECTRONICS LTD.	1682	856	406
46	COCHIN SHIPYARD LTD.	32215	27269	23507
47	ELECTRONICS CORPN. OF INDIA LTD.	5647	7548	5018
48	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	1223	16205	4345
49	GOA SHIPYARD LTD.	11741	6228	7824
50	HINDUSTAN AERONAUTICS LTD.	261563	199805	238805
51	HINDUSTAN CABLES LTD.	234846	-99412	-93299
52	HINDUSTAN SHIPYARD LTD.	5377	1900	-20284
53	HMT CHINAR WATCHES LTD.	91	-1242	-4905
54	HOOGHLY DOCK AND PORT ENGINEERS LTD.	4146	-1980	248
55	I T I LTD.	30488	25119	-29712
56	MAZAGON DOCK SHIPBUILDERS LTD.	53349	56848	49159
57	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	1215	1222	1445
58	RICHARDSON & CRUDDAS(1972) LTD.	1494	-1006	-365

S. No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
59	SAIL REFRACTORY COMPANY LTD.	2101	1589	2423
60	VIGNYAN INDUSTRIES LTD.	48	73	-22
<b>SUB TOTAL :</b>		<b>921504</b>	<b>374000</b>	<b>500214</b>
<b>TRANSPORTATION VEHICLE &amp; EQUIPMENT</b>				
61	BEML LTD.	8445	6366	676
<b>SUB TOTAL :</b>		<b>8445</b>	<b>6366</b>	<b>676</b>
<b>INDUSTRIAL AND CONSUMER GOODS</b>				
62	ANDREW YULE & COMPANY LTD.	2739	835	1296
63	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	5574	4620	3165
64	CEMENT CORPN. OF INDIA LTD.	4233	5351	4008
65	HINDUSTAN SALTS LTD.	40	-113	-495
66	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	65241	37459	-35207
<b>SUB TOTAL :</b>		<b>77827</b>	<b>48152</b>	<b>-27233</b>
<b>TEXTILES</b>				
67	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	475	731	-49
68	NATIONAL TEXTILE CORPN. LTD.	97316	500	-31625
<b>SUB TOTAL :</b>		<b>97791</b>	<b>1231</b>	<b>-31674</b>
<b>POWER GENERATION</b>				
69	BHARTIYA RAIL BIJLEE CO. LTD.	766	-3	0
70	NHDC LTD.	93128	63887	76646
71	NHPC LTD.	279559	242989	212447
72	NLC INDIA LTD.	236881	22800	157968
73	NLC TAMIL NADU POWER LTD.	8785	-16003	0
74	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	24046	30820	31854
75	NTPC LTD.	938526	1076960	1029086
76	NUCLEAR POWER CORPN. OF INDIA LTD.	254436	270213	220075
77	SJVN LTD.	154414	140734	167675
78	THDC INDIA LTD.	71393	81898	69115
<b>SUB TOTAL :</b>		<b>2061934</b>	<b>1914295</b>	<b>1964866</b>
<b>POWER TRANSMISSION</b>				
79	POWER GRID CORPORATION OF INDIA LTD.	752015	594850	497917
80	POWER GRID WARORA TRANSMISSION LTD.	132	0	0
81	REC POWER DISTRIBUTION CO. LTD.	4033	3617	3477
82	REC TRANSMISSION PROJECTS CO. LTD.	3446	2881	4754
<b>SUB TOTAL :</b>		<b>759626</b>	<b>601348</b>	<b>506148</b>
<b>TRADING &amp; MARKETING</b>				
83	ANTRIX CORPORATION LTD.	21801	20540	20510
84	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	8	21	93
85	COTTON CORPN. OF INDIA LTD.	744	1169	2259

S. No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
86	HMT (INTERNATIONAL) LTD.	7	58	52
87	INDIA TRADE PROMOTION ORGANISATION	17117	16386	20785
88	KARNATAKA TRADE PROMOTION ORGANISATION	5316	776	1246
89	M M T C LTD.	5706	5489	4791
90	M S T C LTD.	6543	6010	9099
91	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	2888	2408	2540
92	NTPC VIDYUT VYAPAR NIGAM LTD.	7644	5196	4361
93	TAMIL NADU TRADE PROMOTION ORGANISATION	3156	2155	2343
94	THE JUTE CORPN. OF INDIA LTD.	920	1089	1055
<b>SUB TOTAL :</b>		<b>71850</b>	<b>61297</b>	<b>69134</b>
<b>TRANSPORT AND LOGISTIC SERVICES</b>				
95	AIR INDIA AIR TRANSPORT SERVICES LTD.	6879	6879	6759
96	AIR INDIA EXPRESS LTD.	29675	36168	-6103
97	AIRPORTS AUTHORITY OF INDIA	311593	253736	195922
98	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	853	-289	887
99	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	1268	1114	1386
100	CENTRAL WAREHOUSING CORPN.	23122	19782	18212
101	CONCOR AIR LTD.	784	1494	1134
102	CONTAINER CORPORATION OF INDIA LTD.	85802	95082	104755
103	DREDGING CORPN. OF INDIA LTD.	740	4191	6241
104	GAIL (INDIA) LTD.	350291	222643	303917
105	GAIL GAS LTD.	6502	3979	1684
106	KAMARAJAR PORT LTD.	47240	37581	33657
107	PAWAN HANS LTD.	26049	5716	3881
108	PETRONET CCK LTD.	5841	5962	0
109	SHIPPING CORPORATION OF INDIA LTD.	13552	75329	20093
<b>SUB TOTAL :</b>		<b>910191</b>	<b>769367</b>	<b>692425</b>
<b>CONTRACT &amp; CONSTRUCTION AND TECH. CONSULTANCY SERVICES</b>				
110	AGRINNOVATE INDIA LTD.	211	247	289
111	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	1765	4440	4823
112	BRIDGE & ROOF CO.(INDIA) LTD.	1637	265	1200
113	BROADCAST ENGG. CONSULTANTS INDIA LTD.	204	-622	-139
114	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	3882	914	2504
115	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	1021	979	876
116	EdCIL(India) Ltd.	2845	3096	509
117	ENGINEERING PROJECTS (INDIA) LTD.	269	2455	2709
118	ENGINEERS INDIA LTD.	32504	27619	30798
119	HINDUSTAN PREFAB LTD.	570	1005	528

S. No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
120	HLL INFRA TECH SERVICES LTD.	278	116	0
121	HSCC (INDIA) LTD.	3761	5462	2454
122	IIFCL PROJECTS LTD.	141	235	0
123	IRCON INFRASTRUCTURE & SERVICES LTD.	1236	1422	1093
124	IRCON INTERNATIONAL LTD.	36903	39504	57939
125	IRCON PB TOLLWAY LTD.	54	381	0
126	IRCON SHIVPURI GUNA TOLLWAY LTD.	39	-91	0
127	KONKAN RAILWAY CORPORATION LTD.	6197	13396	3939
128	MINERAL EXPLORATION CORPN. LTD.	10486	7676	5944
129	MUMBAI RAILWAY VIKAS CORPORATION LTD.	2338	4021	3657
130	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	1375	1123	0
131	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	2884	1081	1359
132	NATIONAL RESEARCH DEVELOPMENT CORPN.	86	6	-76
133	NATIONAL SMALL INDUSTRIES CORPN. LTD.	10640	10146	8860
134	NBCC (INDIA) LTD.	35110	28695	27730
135	NBCC SERVICES LTD.	681	577	0
136	PFC CAPITAL ADVISORY SERVICE LTD.	106	133	185
137	PFC CONSULTING LTD.	5785	3706	2170
138	POWER SYSTEM OPERATION CORPORATION LTD.	2389	5549	4804
139	RAIL VIKAS NIGAM LTD.	38502	30402	18572
140	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	1836	313	22
141	BITES LTD.	33082	33944	30614
142	SOLAR ENERGY CORPORATION OF INDIA	4654	1910	1060
143	WAPCOS LTD.	10702	8383	7293
<b>SUB TOTAL :</b>		<b>254173</b>	<b>238488</b>	<b>221716</b>
<b>HOTEL AND TOURIST SERVICES</b>				
144	INDIA TOURISM DEV. CORPN. LTD.	1205	2255	3437
145	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	21171	19730	13063
146	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	16	-35	5
147	PONDICHERRY ASHOK HOTEL CORPN. LTD.	43	-21	-31
<b>SUB TOTAL :</b>		<b>22435</b>	<b>21929</b>	<b>16474</b>
<b>FINANCIAL SERVICES</b>				
148	BALMER LAWRIE INVESTMENTS LTD.	3880	3563	3569
149	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	92	328	141
150	E. C. G. C. LTD.	28214	27623	18010
151	EASTERN INVESTMENT LTD.	85	144	-1272
152	HOUSING & URBAN DEV. CORPN. LTD.	84181	78379	77763
153	IIFCL ASSET MANAGEMENT COMPANY LTD.	101	94	0

S. No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
154	INDIA INFRASTRUCTURE FINANCE CO. LTD.	6790	46850	75340
155	INDIA POST PAYMENT BANK LTD	222	0	0
156	INDIAN RAILWAY FINANCE CORPORATION LTD.	93381	84869	75830
157	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	36502	29804	27191
158	JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	643	0	0
159	KUMARAKRUPPA FRONTIER HOTELS LTD.	745	683	600
160	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	2554	2385	3734
161	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	109	838	959
162	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	4839	2254	3439
163	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	1817	1043	886
164	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	4962	4412	3614
165	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	2255	2159	2209
166	PFC GREEN ENERGY LTD.	3015	2260	1891
167	POWER FINANCE CORPORATION LTD.	212639	611348	595933
168	RURAL ELECTRIFICATION CORPN. LTD.	624576	562766	525987
<b>SUB TOTAL :</b>		<b>1111602</b>	<b>1461802</b>	<b>1415824</b>
<b>TELECOMMUNICATION &amp; INFORMATION TECHNOLOGY</b>				
169	BHARAT BROADBAND NETWORK LTD.	2285	-843	-29
170	MILLENNIUM TELECOM LTD.	40	27	13
171	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	6441	6969	5255
172	RAILTEL CORPORATION INDIA LTD.	12882	10196	12094
173	RAILTEL ENTERPRISES LTD.	134	85	13
174	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	7082	5111	2137
<b>SUB TOTAL :</b>		<b>28864</b>	<b>21545</b>	<b>19483</b>
<b>GRAND TOTAL :</b>		<b>15264735</b>	<b>13821018</b>	<b>12262207</b>

**STATEMENT - 4**  
**NET LOSS (-) OF LOSS MAKING CPSEs (COGNATE GROUP WISE)**

(₹ in Lakhs)

S. No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
<b>AGRO BASED INDUSTRIES</b>				
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	-4970	-4970	-4509
2	CREDA HPCL BIOFUEL LTD.	-375	-716	-507
3	HPCL BIOFUELS LTD.	-3072	-6137	-8437
4	INDIAN OIL-CREDA BIOFUELS LTD.	-627	-19	-1376
<b>SUB TOTAL :</b>		<b>-9044</b>	<b>-11842</b>	<b>-14829</b>
<b>COAL</b>				
5	BHARAT COKING COAL LTD.	-16998	60907	76314
6	WESTERN COALFIELDS LTD.	-77703	29769	31314
<b>SUB TOTAL :</b>		<b>-94701</b>	<b>90676</b>	<b>107628</b>
<b>CRUDE OIL</b>				
7	BHARAT PETRO RESOURCES LTD.	-20298	-5589	-3429
8	PRIZE PETROLEUM COMPANY LTD.	-1495	-4888	208
<b>SUB TOTAL :</b>		<b>-21793</b>	<b>-10477</b>	<b>-3221</b>
<b>OTHER MINERALS &amp; METALS</b>				
9	J & K MINERAL DEVELOPMENT CORPN. LTD.	-85	-165	-80
10	THE BISRA STONE LIME COMPANY LTD.	-1773	-1664	-2727
<b>SUB TOTAL :</b>		<b>-1858</b>	<b>-1829</b>	<b>-2807</b>
<b>STEEL</b>				
11	RASH'TRIYA ISPAT NIGAM LTD.	-126316	-160372	6238
12	STEEL AUTHORITY OF INDIA LTD.	-283324	-402144	209268
<b>SUB TOTAL :</b>		<b>-409640</b>	<b>-562516</b>	<b>215506</b>
<b>FERTILIZERS</b>				
13	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	-18696	-45219	-39991
14	MADRAS FERTILIZERS LTD.	-2331	-18954	-13469
<b>SUB TOTAL :</b>		<b>-21027</b>	<b>-64173</b>	<b>-53460</b>
<b>CHEMICALS &amp; PHARMACEUTICALS</b>				
15	BRAHAMPUTRA CRACKERS & POLYMER LTD.	-54741	-27251	0
16	HINDUSTAN ANTIBIOTICS LTD.	-7824	-7718	-7055
17	HINDUSTAN FLUOROCARBONS LIMITED	-489	-1111	-377
18	HINDUSTAN ORGANIC CHEMICALS LTD.	-25557	-17391	-21549
19	HLL BIOTECH LTD.	-472	-610	-7
20	IDPL (TAMILNADU) LTD.	-239	-73	112
21	INDIAN DRUGS & PHARMACEUTICALS LTD.	-17002	-16608	-16721
22	INDIAN VACCINE CORP. LTD.	-20	-208	-164
23	ONGC MANGALORE PETROCHEMICALS LTD.	-36618	-64887	0
24	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	-599	-599	-1976
<b>SUB TOTAL :</b>		<b>-143561</b>	<b>-136456</b>	<b>-47737</b>



S. No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
<b>HEAVY &amp; MEDIUM ENGINEERING</b>				
25	BEL-THALES SYSTEMS LTD.	-82	-245	0
26	BHARAT PUMPS & COMPRESSORS LTD.	-8447	-7506	-5504
27	BHARAT WAGON & ENGG. CO. LTD.	-1434	-1526	-1568
28	BHEL ELECTRICAL MACHINES LTD.	-424	-298	-396
29	BRAITHWAITE & CO. LTD.	-895	64	-4461
30	BURN STANDARD COMPANY LTD.	-3351	-2837	-2466
31	HEAVY ENGINEERING CORPN. LTD.	-8227	-14477	-24169
32	HMT BEARINGS LTD.	-378	-809	-1777
33	HMT LTD.	-23949	-1714	-9657
34	HMT MACHINE TOOLS LTD.	-12759	-10666	-13494
35	HMT WATCHES LTD.	-20356	-15557	-25920
36	INSTRUMENTATION LTD.	-9151	-17050	-14154
37	SCOOTERS INDIA LTD.	-1028	548	1109
38	TUNGABHADRA STEEL PRODUCTS LTD.	-2887	-2887	-2887
<b>SUB TOTAL :</b>		<b>-93368</b>	<b>-74960</b>	<b>-105344</b>
<b>INDUSTRIAL AND CONSUMER GOODS</b>				
39	HINDUSTAN NEWSPRINT LTD.	-6014	-4361	-781
40	HINDUSTAN PAPER CORPORATION LTD.	-37014	-37014	-33129
41	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	-291716	-252791	-216436
42	HLL LIFECARE LTD.	-2538	2714	3155
43	HOOGHLY PRINTING COMPANY LTD.	-3	13	7
44	NAGALAND PULP & PAPER COMPANY LTD.	-1739	-1739	-1538
45	NEPA LTD.	-6862	-7012	-4871
46	SAMBHAR SALTS LTD.	-855	-890	-983
<b>SUB TOTAL :</b>		<b>-346741</b>	<b>-301080</b>	<b>-254576</b>
<b>TEXTILES</b>				
47	BIRDS JUTE & EXPORTS LTD.	-485	-464	-585
48	BRITISH INDIA CORPORATION LTD.	-10498	-9724	-9494
<b>SUB TOTAL :</b>		<b>-10983</b>	<b>-10188</b>	<b>-10079</b>
<b>POWER GENERATION</b>				
49	KANTI BIJLEE UTPADAN NIGAM LTD.	-2193	-5821	1724
50	PATRATU VIDYUT UTPADAN NIGAM LTD.	-7	-1	0
<b>SUB TOTAL :</b>		<b>-2200</b>	<b>-5822</b>	<b>1724</b>
<b>POWER TRANSMISSION</b>				
51	NTPC ELECTRIC SUPPLY COMPANY LTD.	-18	113	126
52	POWERGRID NM TRANSMISSION LTD.	-1895	0	0
53	POWERGRID UNCHAHAR TRANSMISSION LTD.	-6	0	0
54	POWERGRID VIZAG TRANSMISSION LTD.	-2194	296	0
<b>SUB TOTAL :</b>		<b>-4113</b>	<b>409</b>	<b>126</b>
<b>TRADING &amp; MARKETING</b>				
55	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	-3053	-1076	340

S. No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
56	NATIONAL FILM DEV. CORPN. LTD.	-191	1310	-919
57	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	-305	-196	-440
58	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	-589	-589	-589
59	P E C LTD.	-9210	-114202	-20854
60	STATE TRADING CORPN. OF INDIA LTD.	-16553	1786	2619
61	STCL LTD.	-56277	-48007	-41259
<b>SUB TOTAL :</b>		<b>-86178</b>	<b>-160974</b>	<b>-61102</b>
<b>TRANSPORT AND LOGISTIC SERVICES</b>				
62	AIR INDIA ENGINEERING SERVICES LTD.	-40710	-40710	-24257
63	AIR INDIA LTD.	-395165	-383678	-585991
64	AIRLINE ALLIED SERVICES LTD.	-28272	-19875	-18392
65	FRESH & HEALTHY ENTERPRISES LTD.	-1365	-2591	-1447
66	SIDCUL CONCOR INFRA COMPANY LTD.	-1296	239	0
67	TCIL BINA TOLL ROAD LTD.	-1046	-1043	-942
<b>SUB TOTAL :</b>		<b>-467854</b>	<b>-447658</b>	<b>-631029</b>
<b>CONTRACT &amp; CONSTRUCTION AND TECH. CONSULTANCY SERVICES</b>				
68	DELHI POLICE HOUSING CORPORATION LTD.	-19	115	109
69	HINDUSTAN STEELWORKS COSTN. LTD.	-1728	3690	-811
70	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	-454	115	198
71	MECON LTD.	-8384	-16241	2027
72	NBCC ENGINEERING AND CONSULTANCY LTD.	-17	-8	0
73	PROJECTS & DEVELOPMENT INDIA LTD.	-1058	-892	-586
74	RITES INFRASTRUCTURE SERVICES LTD.	-10	-42	10
75	TCIL LAKHNADONE TOLL ROAD LTD.	-464	-4	0
<b>SUB TOTAL :</b>		<b>-12134</b>	<b>-13267</b>	<b>947</b>
<b>HOTEL AND TOURIST SERVICES</b>				
76	ASSAM ASHOK HOTEL CORPN. LTD.	-155	-155	-119
77	DONYI POLO ASHOK HOTEL LTD.	-4	1	-3
78	HOTEL CORPN. OF INDIA LTD.	-5427	-5776	-5046
79	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	-211	-168	-107
80	UTKAL ASHOK HOTEL CORPN. LTD.	-128	-197	-70
<b>SUB TOTAL :</b>		<b>-5925</b>	<b>-6295</b>	<b>-5345</b>
<b>TELECOMMUNICATION &amp; INFORMATION TECHNOLOGY</b>				
81	BHARAT SANCHAR NIGAM LTD.	-479321	-485916	-823409
82	MAHANAGAR TELEPHONE NIGAM LTD.	-294108	-194755	-289339
<b>SUB TOTAL :</b>		<b>-773429</b>	<b>-680671</b>	<b>-1112748</b>
<b>GRAND TOTAL :</b>		<b>-2504549</b>	<b>-2397123</b>	<b>-1976346</b>

**STATEMENT - 5**  
**CASH LOSS (-) OF LOSS MAKING CPSEs DURING 2016-17**

(₹ in Lakhs)

S.No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
<b>AGRO BASED INDUSTRIES</b>				
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	-4947	-4947	-4477
2	CREDA HPCL BIOFUEL LTD.	-375	-714	-503
3	HPCL BIOFUELS LTD.	-313	-3401	-5598
4	INDIAN OIL-CREDA BIOFUELS LTD.	-627	-19	-1376
<b>SUB TOTAL :</b>		<b>-6262</b>	<b>-9081</b>	<b>-11954</b>
<b>COAL</b>				
5	WESTERN COALFIELDS LTD.	-40881	66930	54921
<b>SUB TOTAL :</b>		<b>-40881</b>	<b>66930</b>	<b>54921</b>
<b>CRUDE OIL</b>				
6	BHARAT PETRO RESOURCES LTD.	-15589	-1651	-3342
7	PRIZE PETROLEUM COMPANY LTD.	-1479	-4870	242
<b>SUB TOTAL :</b>		<b>-17068</b>	<b>-6521</b>	<b>-3100</b>
<b>OTHER MINERALS &amp; METALS</b>				
8	J & K MINERAL DEVELOPMENT CORPN. LTD.	-61	-141	-56
9	THE BISRA STONE LIME COMPANY LTD.	-1750	-1641	-2684
<b>SUB TOTAL :</b>		<b>-1811</b>	<b>-1782</b>	<b>-2740</b>
<b>STEEL</b>				
10	RASHTRIYA ISPAT NIGAM LTD.	-60430	-123806	33301
11	STEEL AUTHORITY OF INDIA LTD.	-15329	-161909	386596
<b>SUB TOTAL :</b>		<b>-75759</b>	<b>-285715</b>	<b>419897</b>
<b>FERTILIZERS</b>				
12	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	-17012	-43406	-37971
13	MADRAS FERTILIZERS LTD.	-478	-17139	-11708
<b>SUB TOTAL :</b>		<b>-17490</b>	<b>-60545</b>	<b>-49679</b>
<b>CHEMICALS &amp; PHARMACEUTICALS</b>				
14	BRAHAMPUTRA CRACKERS & POLYMER LTD.	-19573	-18155	0
15	HINDUSTAN ANTIBIOTICS LTD.	-7422	-7404	-6644
16	HINDUSTAN FLUOROCARBONS LIMITED	-337	-974	-267
17	HINDUSTAN ORGANIC CHEMICALS LTD.	-24297	-14941	-20655
18	HLL BIOTECH LTD.	-431	-543	40
19	IDPL (TAMILNADU) LTD.	-218	-50	138
20	INDIAN DRUGS & PHARMACEUTICALS LTD.	-16886	-16495	-16586
21	ONGC MANGALORE PETROCHEMICALS LTD.	-5998	-34630	0
22	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	-491	-491	-1820
<b>SUB TOTAL :</b>		<b>-75653</b>	<b>-93683</b>	<b>-45794</b>
<b>HEAVY &amp; MEDIUM ENGINEERING</b>				
23	BEL-THALES SYSTEMS LTD.	-69	-240	0
24	BHARAT PUMPS & COMPRESSORS LTD.	-7941	-6991	-4799
25	BHARAT WAGON & ENGG. CO. LTD.	-1347	-1368	-1500

S.No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
26	BHEL ELECTRICAL MACHINES LTD.	-329	-202	-294
27	BRAITHWAITE & CO. LTD.	-732	237	-4172
28	BURN STANDARD COMPANY LTD.	-3112	-2585	-2072
29	HEAVY ENGINEERING CORPN. LTD.	-7532	-13771	-23160
30	HMT BEARINGS LTD.	-363	-793	-1761
31	HMT LTD.	-23917	-1687	-9386
32	HMT MACHINE TOOLS LTD.	-11749	-9701	-12625
33	HMT WATCHES LTD.	-20356	-15508	-25867
34	INSTRUMENTATION LTD.	-8325	-16563	-13658
35	SCOOTERS INDIA LTD.	-864	737	1311
36	TUNGABHADRA STEEL PRODUCTS LTD.	-2849	-2849	-2849
<b>SUB TOTAL :</b>		<b>-89485</b>	<b>-71284</b>	<b>-100832</b>
<b>INDUSTRIAL AND CONSUMER GOODS</b>				
37	HINDUSTAN NEWSPRINT LTD.	-5319	-3688	-411
38	HINDUSTAN PAPER CORPORATION LTD.	-35955	-35955	-29012
39	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	-288575	-249650	-213295
40	NAGALAND PULP & PAPER COMPANY LTD.	-1714	-1714	-1343
41	NEPA LTD.	-6770	-6912	-4777
42	SAMBHAR SALTS LTD.	-565	-572	-733
<b>SUB TOTAL :</b>		<b>-338898</b>	<b>-298491</b>	<b>-249571</b>
<b>TEXTILES</b>				
43	BIRDS JUTE & EXPORTS LTD.	-483	-462	-581
44	BRITISH INDIA CORPORATION LTD.	-10455	-9712	-9415
<b>SUB TOTAL :</b>		<b>-10938</b>	<b>-10174</b>	<b>-9996</b>
<b>POWER TRANSMISSION</b>				
45	NTPC ELECTRIC SUPPLY COMPANY LTD.	-18	113	138
46	POWERGRID NM TRANSMISSION LTD.	-28	0	0
<b>SUB TOTAL :</b>		<b>-46</b>	<b>113</b>	<b>138</b>
<b>TRADING &amp; MARKETING</b>				
47	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	-3001	-977	447
48	NATIONAL FILM DEV. CORPN. LTD.	-50	1456	-737
49	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	-287	-181	-426
50	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	-573	-573	-573
51	P E C LTD.	-9182	-114171	-20820
52	STATE TRADING CORPN. OF INDIA LTD.	-14976	3374	4621
53	STCL LTD.	-56235	-47970	-41200
<b>SUB TOTAL :</b>		<b>-84304</b>	<b>-159042</b>	<b>-58688</b>
<b>TRANSPORT AND LOGISTIC SERVICES</b>				
54	AIR INDIA ENGINEERING SERVICES LTD.	-39045	-39045	-22162
55	AIR INDIA LTD.	-278158	-196900	-393917
56	AIRLINE ALLIED SERVICES LTD.	-28262	-19866	-18367
57	FRESH & HEALTHY ENTERPRISES LTD.	-843	-2054	-911
58	SIDCUL CONCOR INFRA COMPANY LTD.	-794	289	0

S.No.	Cognate Group / CPSE	2016-17	2015-16	2014-15
59	TCIL BINA TOLL ROAD LTD.	-845	-861	-773
<b>SUB TOTAL :</b>		<b>-347947</b>	<b>-258437</b>	<b>-436130</b>
<b>CONTRACT &amp; CONSTRUCTION AND TECH. CONSULTANCY SERVICES</b>				
60	DELHI POLICE HOUSING CORPORATION LTD.	-19	115	109
61	HINDUSTAN STEELWORKS COSTN. LTD.	-1445	3974	-411
62	MECON LTD.	-7412	-15350	3044
63	NBCC ENGINEERING AND CONSULTANCY LTD.	-17	-8	0
64	PROJECTS & DEVELOPMENT INDIA LTD.	-839	-614	-227
65	MITES INFRASTRUCTURE SERVICES LTD.	-1	-28	12
66	TCIL LAKHNADONE TOLL ROAD LTD.	-413	-4	0
<b>SUB TOTAL :</b>		<b>-10146</b>	<b>-11915</b>	<b>2527</b>
<b>HOTEL AND TOURIST SERVICES</b>				
67	ASSAM ASHOK HOTEL CORPN. LTD.	-143	-143	-102
68	HOTEL CORPN. OF INDIA LTD.	-5203	-5536	-4501
69	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	-205	-161	-100
70	UTKAL ASHOK HOTEL CORPN. LTD.	-126	-195	-68
<b>SUB TOTAL :</b>		<b>-5677</b>	<b>-6035</b>	<b>-4771</b>
<b>TELECOMMUNICATION &amp; INFORMATION TECHNOLOGY</b>				
71	MAHANAGAR TELEPHONE NIGAM LTD.	-185345	-79596	-176242
<b>SUB TOTAL :</b>		<b>-185345</b>	<b>-79596</b>	<b>-176242</b>
<b>GRAND TOTAL :</b>		<b>-1307710</b>	<b>-1285258</b>	<b>-672014</b>

**STATEMENT - 6**  
**CPSE WISE NET PROFIT / LOSS(-) OF 'TAKEN OVER' SICK CPSEs**

(₹ in Lakhs)

S. No.	CPSE	Net Profit / Loss		
		2016-17	2015-16	2014-15
1	ANDREW YULE & COMPANY LTD.	2739	835	1296
2	BALMER LAWRIE & CO. LTD.	17042	16435	14744
3	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	451	-913	-1732
4	BHARAT WAGON & ENGG. CO. LTD.	-1434	-1526	-1568
5	BIRDS JUTE & EXPORTS LTD.	-485	-464	-585
6	BRAITHWAITE & CO. LTD.	-895	64	-4461
7	BRIDGE & ROOF CO.(INDIA) LTD.	1637	265	1200
8	BRITISH INDIA CORPORATION LTD.	-10498	-9724	-9494
9	BURN STANDARD COMPANY LTD.	-3351	-2837	-2466
10	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	853	-289	887
11	HOOGLY DOCK AND PORT ENGINEERS LTD.	4146	-1980	248
12	HOOGLY PRINTING COMPANY LTD.	-3	13	7
13	NATIONAL TEXTILE CORPN. LTD.	97316	500	-31625
14	RICHARDSON & CRUDDAS(1972) LTD.	1494	-1006	-365
<b>TOTAL :</b>		<b>109012</b>	<b>-627</b>	<b>-33914</b>



**STATEMENT - 7**  
**INVESTMENT (FINANCIAL) IN CENTRAL GOVERNMENT ENTERPRISES UNDER**  
**DIFFERENT MINISTRIES/DEPTTS. AS ON 31.3.2017**  
(STATUTORY CORPORATIONS AND GOVERNMENT COMPANIES UNDER DIRECT CENTRAL  
GOVERNMENT MANAGEMENT)

(₹ in Lakhs)

S. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Loans	Money Received against Share Warrants	Total
<b>MINISTRY OF AGRICULTURE AND FARMERS WELFARE</b>						
<b>D/O AGRICULTURE COOPERATION AND FARMERS WELFARE</b>						
1	NATIONAL SEEDS CORPN. LTD.	5732	0	65	0	5797
<b>SUB TOTAL :</b>		<b>5732</b>	<b>0</b>	<b>65</b>	<b>0</b>	<b>5797</b>
<b>MINISTRY OF AGRICULTURE AND FARMERS WELFARE</b>						
<b>D/O AGRICULTURE RESEARCH AND EDUCATION</b>						
2	AGRINNOVATE INDIA LTD.	5000	0	0	0	5000
<b>SUB TOTAL :</b>		<b>5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5000</b>
<b>MINISTRY OF AYUSH</b>						
3	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	4928	270	0	0	5198
<b>SUB TOTAL :</b>		<b>4928</b>	<b>270</b>	<b>0</b>	<b>0</b>	<b>5198</b>
<b>MINISTRY OF CHEMICALS &amp; FERTILIZERS</b>						
<b>D/O CHEMICALS &amp; PETROCHEMICALS</b>						
4	BRAHMAPUTRA CRACKERS & POLYMER LTD.	140280	0	282150	0	422430
5	HINDUSTAN FLUOROCARBONS LIMITED	1961	0	672	0	2633
6	HINDUSTAN INSECTICIDES LTD.	9133	0	1355	0	10488
7	HINDUSTAN ORGANIC CHEMICALS LTD.	33727	0	28445	0	62172
<b>SUB TOTAL :</b>		<b>185101</b>	<b>0</b>	<b>312622</b>	<b>0</b>	<b>497723</b>
<b>MINISTRY OF CHEMICALS &amp; FERTILIZERS</b>						
<b>D/O FERTILIZER</b>						
8	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	36583	0	57275	0	93858
9	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	733	0	0	0	733
10	FERTILIZER CORPN. OF INDIA LTD.	75092	0	0	0	75092
11	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	64707	0	177049	0	241756
12	HINDUSTAN FERTILIZER CORPN. LTD.	68654	0	1176	0	69830
13	MADRAS FERTILIZERS LTD.	16214	0	13601	0	29815
14	NATIONAL FERTILIZERS LTD.	49058	0	17235	0	66293
15	PROJECTS & DEVELOPMENT INDIA LTD.	1730	0	0	0	1730
16	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	55169	0	11384	0	66553
<b>SUB TOTAL :</b>		<b>367940</b>	<b>0</b>	<b>277720</b>	<b>0</b>	<b>645660</b>
<b>MINISTRY OF CHEMICALS &amp; FERTILIZERS</b>						
<b>D/O PHARMACEUTICALS</b>						
17	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	7696	0	20684	0	28380

S. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Loans	Money Received against Share Warrants	Total
18	HINDUSTAN ANTIBIOTICS LTD.	7172	0	37011	0	44183
19	IDPL (TAMILNADU) LTD.	2127	0	4465	0	6592
20	INDIAN DRUGS & PHARMACEUTICALS LTD.	11688	0	525074	0	536762
21	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	1349	0	122	0	1471
22	ORISSA DRUGS & CHEMICALS LTD.	132	17	1646	0	1795
23	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	499	0	0	0	499
<b>SUB TOTAL :</b>		<b>30663</b>	<b>17</b>	<b>589002</b>	<b>0</b>	<b>619682</b>
<b>MINISTRY OF CIVIL AVIATION</b>						
24	AIR INDIA AIR TRANSPORT SERVICES LTD.	13842	0	0	0	13842
25	AIR INDIA ENGINEERING SERVICES LTD.	16667	0	1	0	16668
26	AIR INDIA EXPRESS LTD.	78000	0	82537	0	160537
27	AIR INDIA LTD.	2675300	13721	3587592	0	6276613
28	AIRLINE ALLIED SERVICES LTD.	40225	0	0	0	40225
29	AIRPORTS AUTHORITY OF INDIA	65656	0	3978	0	69634
30	HOTEL CORPN. OF INDIA LTD.	13760	0	0	0	13760
31	PAWAN HANS LTD.	24562	15905	2498	0	42965
<b>SUB TOTAL :</b>		<b>2928012</b>	<b>29626</b>	<b>3676606</b>	<b>0</b>	<b>6634244</b>
<b>MINISTRY OF COAL</b>						
32	BHARAT COKING COAL LTD.	211800	0	201554	0	413354
33	CENTRAL COALFIELDS LTD.	94000	0	120000	0	214000
34	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	1904	0	0	0	1904
35	CHHATTISGARH EAST RAILWAYS LTD.	30600	0	18916	0	49516
36	CHHATTISGARH EAST-WEST RAILWAYS LTD.	50406	0	16716	0	67122
37	COAL INDIA LTD.	620741	0	0	0	620741
38	EASTERN COALFIELDS LTD.	221845	0	158431	0	380276
39	MAHANADI BASIN POWER LTD.	5	0	2004	0	2009
40	MAHANADI COALFIELDLS LTD.	14123	0	613	0	14736
41	MJSJ COAL LTD.	9510	0	0	0	9510
42	MNH SHAKTI LTD.	8510	0	0	0	8510
43	NEYVELI UTTAR PRADESH POWER LTD	90440	0	0	0	90440
44	NLC INDIA LTD.	152857	0	504062	0	656919
45	NLC TAMIL NADU POWER LTD.	218804	0	349594	0	568398
46	NORTHERN COALFIELDS LTD.	13656	0	0	0	13656
47	SOUTH EASTERN COALFIELDS LTD.	29878	0	0	0	29878
48	WESTERN COALFIELDS LTD.	29710	0	0	0	29710
<b>SUB TOTAL :</b>		<b>1798789</b>	<b>0</b>	<b>1371890</b>	<b>0</b>	<b>3170679</b>

S. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Loans	Money Received against Share Warrants	Total
<b>MINISTRY OF COMMERCE &amp; INDUSTRY</b>						
<b>D/O COMMERCE</b>						
49	E. C. G. C. LTD.	145000	0	0	0	145000
50	INDIA TRADE PROMOTION ORGANISATION	25	0	0	0	25
51	KARNATAKA TRADE PROMOTION ORGANISATION	2000	0	0	0	2000
52	M M T C LTD.	10000	0	0	0	10000
53	P E C LTD.	6000	0	0	0	6000
54	STATE TRADING CORPN. OF INDIA LTD.	6000	0	14628	0	20628
55	STCL LTD.	150	0	0	0	150
56	TAMIL NADU TRADE PROMOTION ORGANISATION	1	0	0	0	1
<b>SUB TOTAL :</b>		<b>169176</b>	<b>0</b>	<b>14628</b>	<b>0</b>	<b>183804</b>
<b>MINISTRY OF COMMERCE &amp; INDUSTRY</b>						
<b>D/O INDUSTRIAL POLICY &amp; PROMOTION</b>						
57	JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	8000	0	0	0	8000
<b>SUB TOTAL :</b>		<b>8000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8000</b>
<b>MINISTRY OF COMMUNICATION</b>						
<b>D/O POST</b>						
58	INDIA POST PAYMENT BANK LTD	27500	0	0	0	27500
<b>SUB TOTAL :</b>		<b>27500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27500</b>
<b>MINISTRY OF COMMUNICATION</b>						
<b>D/O TELECOMMUNICATIONS</b>						
59	BHARAT BROADBAND NETWORK LTD.	6000	0	0	0	6000
60	BHARAT SANCHAR NIGAM LTD.	500000	0	1062657	0	1562657
61	I T I LTD.	86000	0	30000	0	116000
62	MAHANAGAR TELEPHONE NIGAM LTD.	63000	0	701131	0	764131
63	MILLENNIUM TELECOM LTD.	288	0	0	0	288
64	TCIL BINA TOLL ROAD LTD.	1957	0	12100	0	14057
65	TCIL LAKHNADONE TOLL ROAD LTD.	2311	0	6735	0	9046
66	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	5920	0	7200	0	13120
<b>SUB TOTAL :</b>		<b>665476</b>	<b>0</b>	<b>1819823</b>	<b>0</b>	<b>2485299</b>
<b>MINISTRY OF COMSUMER AFFAIRS,FOOD &amp; PUBLIC DISTRIBUTION</b>						
<b>D/O FOOD &amp; PUBLIC DISTRIBUTION</b>						
67	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	4056	0	2917	0	6973
68	CENTRAL WAREHOUSING CORPN.	6802	0	0	0	6802
69	FOOD CORPN. OF INDIA	286107	0	1300000	0	1586107
<b>SUB TOTAL :</b>		<b>296965</b>	<b>0</b>	<b>1302917</b>	<b>0</b>	<b>1599882</b>
<b>MINISTRY OF DEFENCE</b>						
<b>D/O DEFENCE PRODUCTION</b>						
70	BEL OPTRONICS DEVICES LTD.	5923	0	2252	0	8175

S. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Loans	Money Received against Share Warrants	Total
71	BEL-THALES SYSTEMS LTD.	5762	0	0	0	5762
72	BEML LTD.	4177	0	31052	0	35229
73	BHARAT DYNAMICS LTD.	12219	0	0	0	12219
74	BHARAT ELECTRONICS LTD.	22336	0	1667	0	24003
75	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	12384	0	0	0	12384
76	GOA SHIPYARD LTD.	5820	0	0	0	5820
77	HINDUSTAN AERONAUTICS LTD.	36150	0	0	0	36150
78	HINDUSTAN SHIPYARD LTD.	30199	0	37221	0	67420
79	MAMC INDUSTRIES LTD.	0	0	0	0	0
80	MAZAGON DOCK SHIPBUILDERS LTD.	24900	0	0	0	24900
81	MISHRA DHATU NIGAM LTD.	18734	0	123	0	18857
82	NAINI AEROSPACE LTD.	3000	0	0	0	3000
83	VIGNYAN INDUSTRIES LTD.	279	0	0	0	279
<b>SUB TOTAL :</b>		<b>181883</b>	<b>0</b>	<b>72315</b>	<b>0</b>	<b>254198</b>
<b>MINISTRY OF DEVELOPMENT OF NORTH EASTERN REGION</b>						
84	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	850	0	1000	0	1850
85	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	762	0	2006	0	2768
<b>SUB TOTAL :</b>		<b>1612</b>	<b>0</b>	<b>3006</b>	<b>0</b>	<b>4618</b>
<b>MINISTRY OF ELECTRONIC &amp; INFORMATION TECHNOLOGY</b>						
86	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	200	0	0	0	200
<b>SUB TOTAL :</b>		<b>200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200</b>
<b>MINISTRY OF ENVIRONMENT, FORESTS CLIMATE CHANGE</b>						
87	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV. CORP.LTD	359	0	31541	0	31900
<b>SUB TOTAL :</b>		<b>359</b>	<b>0</b>	<b>31541</b>	<b>0</b>	<b>31900</b>
<b>MINISTRY OF FINANCE</b>						
<b>D/O ECONOMIC AFFAIRS</b>						
88	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	118249	0	0	0	118249
<b>SUB TOTAL :</b>		<b>118249</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>118249</b>
<b>MINISTRY OF FINANCE</b>						
<b>D/O FINANCIAL SERVICES</b>						
89	IIFCL ASSET MANAGEMENT COMPANY LTD.	1250	0	0	0	1250
90	IIFCL PROJECTS LTD.	475	0	0	0	475

S. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Loans	Money Received against Share Warrants	Total
91	INDIA INFRASTRUCTURE FINANCE CO. LTD.	400232	0	3067364	0	3467596
<b>SUB TOTAL :</b>		<b>401957</b>	<b>0</b>	<b>3067364</b>	<b>0</b>	<b>3469321</b>
<b>MINISTRY OF HEALTH &amp; FAMILY WELFARE</b>						
<b>DEPARTMENT OF HEALTH AND FAMILY WELFARE</b>						
92	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	1902	0	294	0	2196
93	HLL BIOTECH LTD.	27489	0	12393	0	39882
94	HLL INFRA TECH SERVICES LTD.	5	0	0	0	5
95	HLL LIFECARE LTD.	29042	0	10280	0	39322
96	HLL MEDIPARK LTD	10	0	0	0	10
97	HSCC (INDIA) LTD.	240	0	0	0	240
<b>SUB TOTAL :</b>		<b>58688</b>	<b>0</b>	<b>22967</b>	<b>0</b>	<b>81655</b>
<b>MINISTRY OF HEAVY INDUSTRIES &amp; PUBLIC ENTERPRISES</b>						
<b>D/O HEAVY INDUSTRIES</b>						
98	ANDREW YULE & COMPANY LTD.	9779	0	752	0	10531
99	BHARAT HEAVY ELECTRICALS LTD.	48952	0	8955	0	57907
100	BHARAT PUMPS & COMPRESSORS LTD.	5353	0	7944	0	13297
101	BHEL ELECTRICAL MACHINES LTD.	1050	0	0	0	1050
102	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	11761	325	665	0	12751
103	BRIDGE & ROOF CO.(INDIA) LTD.	5499	0	0	0	5499
104	CEMENT CORPN. OF INDIA LTD.	81141	0	17215	0	98356
105	ENGINEERING PROJECTS (INDIA) LTD.	3542	0	0	0	3542
106	HEAVY ENGINEERING CORPN. LTD.	60608	0	1916	0	62524
107	HINDUSTAN CABLES LTD.	41936	475556	1479	0	518971
108	HINDUSTAN NEWSPRINT LTD.	10000	0	890	0	10890
109	HINDUSTAN PAPER CORPORATION LTD.	81730	1800	26353	0	109883
110	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	20687	0	23752	0	44439
111	HINDUSTAN SALTS LTD.	4206	0	65	0	4271
112	HMT (INTERNATIONAL) LTD.	72	0	0	0	72
113	HMT BEARINGS LTD.	3771	0	14162	0	17933
114	HMT CHINAR WATCHES LTD.	166	0	0	0	166
115	HMT LTD.	120409	0	33198	0	153607
116	HMT MACHINE TOOLS LTD.	27660	0	10335	0	37995
117	HMT WATCHES LTD.	649	0	0	0	649
118	HOOGHLY PRINTING COMPANY LTD.	103	0	0	0	103
119	INSTRUMENTATION LTD.	2405	12201	0	0	14606
120	JAGDISHPUR PAPER MILLS LTD.	5	1800	0	0	1805
121	NAGALAND PULP & PAPER COMPANY LTD.	6662	10350	1509	0	18521
122	NEPA LTD.	58471	0	3452	0	61923
123	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	1225	0	10	0	1235

S. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Loans	Money Received against Share Warrants	Total
124	RICHARDSON & CRUDDAS(1972) LTD.	15661	0	579	0	16240
125	SAMBHAR SALTS LTD.	100	0	5368	0	5468
126	SCOOTERS INDIA LTD.	8538	0	1389	0	9927
127	TUNGABHADRA STEEL PRODUCTS LTD.	844	0	531	0	1375
128	YULE ELECTRICAL LTD.	5	0	5	0	10
129	YULE ENGINEERING COMPANY LTD.	5	0	12	0	17
<b>SUB TOTAL :</b>		<b>632995</b>	<b>502032</b>	<b>160536</b>	<b>0</b>	<b>1295563</b>
<b>MINISTRY OF HOME AFFAIRS</b>						
130	DELHI POLICE HOUSING CORPORATION LTD.	500	0	0	0	500
<b>SUB TOTAL :</b>		<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500</b>
<b>MINISTRY OF HOUSING &amp; URBAN AFFAIRS</b>						
131	HINDUSTAN PREFAB LTD.	13477	0	0	0	13477
132	HOUSING & URBAN DEV. CORPN. LTD.	200190	0	2495367	0	2695557
133	NBCC (INDIA) LTD.	18000	0	0	0	18000
134	NBCC ENGINEERING AND CONSULTANCY LTD.	100	0	0	0	100
135	NBCC SERVICES LTD.	200	0	0	0	200
<b>SUB TOTAL :</b>		<b>231967</b>	<b>0</b>	<b>2495367</b>	<b>0</b>	<b>2727334</b>
<b>MINISTRY OF HUMAN RESOURCE DEVELOPMENT</b>						
<b>D/O HIGHER EDUCATION</b>						
136	EdCIL(India) Ltd.	200	0	0	0	200
<b>SUB TOTAL :</b>		<b>200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200</b>
<b>MINISTRY OF INFORMATION &amp; BROADCASTING</b>						
137	BROADCAST ENGG. CONSULTANTS INDIA LTD.	137	0	0	0	137
138	NATIONAL FILM DEV. CORPN. LTD.	4540	0	100	0	4640
<b>SUB TOTAL :</b>		<b>4677</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>4777</b>
<b>MINISTRY OF MICRO SMALL &amp; MEDIUM ENTERPRISES</b>						
139	NATIONAL SMALL INDUSTRIES CORPN. LTD.	53299	0	4927	0	58226
<b>SUB TOTAL :</b>		<b>53299</b>	<b>0</b>	<b>4927</b>	<b>0</b>	<b>58226</b>
<b>MINISTRY OF MINES</b>						
140	HINDUSTAN COPPER LTD.	46261	0	20498	0	66759
141	MINERAL EXPLORATION CORPN. LTD.	11955	0	0	0	11955
142	NATIONAL ALUMINIUM COMPANY LTD.	96646	0	0	0	96646
<b>SUB TOTAL :</b>		<b>154862</b>	<b>0</b>	<b>20498</b>	<b>0</b>	<b>175360</b>
<b>MINISTRY OF MINORITIES AFFAIRS</b>						
143	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	153982	4814	0	0	158796



S. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Loans	Money Received against Share Warrants	Total
<b>SUB TOTAL :</b>		<b>153982</b>	<b>4814</b>	<b>0</b>	<b>0</b>	<b>158796</b>
<b>MINISTRY OF NEW AND RENEWABLE ENERGY</b>						
144	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	78460	0	1263110	0	1341570
145	SOLAR ENERGY CORPORATION OF INDIA	30400	0	0	0	30400
<b>SUB TOTAL :</b>		<b>108860</b>	<b>0</b>	<b>1263110</b>	<b>0</b>	<b>1371970</b>
<b>MINISTRY OF PETROLEUM &amp; NATURAL GAS</b>						
146	BALMER LAWRIE & CO. LTD.	11400	0	0	0	11400
147	BALMER LAWRIE INVESTMENTS LTD.	2220	0	0	0	2220
148	BHARAT PETRO RESOURCES JPDA	6000	0	3888	0	9888
149	BHARAT PETRO RESOURCES LTD.	292000	0	204710	0	496710
150	BHARAT PETROLEUM CORPN. LTD.	131125	0	1377644	0	1508769
151	BPCL-KIAL FUEL PVT. LTD.	600	0	0	0	600
152	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	100	0	0	0	100
153	CHENNAI PETROLEUM CORPORATION LTD.	14900	0	232427	0	247327
154	CREDA HPCL BIOFUEL LTD.	2176	0	0	0	2176
155	ENGINEERS INDIA LTD.	33694	0	0	0	33694
156	GAIL (INDIA) LTD.	169130	0	300455	0	469585
157	GAIL GAS LTD.	62700	0	16922	0	79622
158	HINDUSTAN PETROLEUM CORPN. LTD.	101627	0	627815	0	729442
159	HPCL BIOFUELS LTD.	20552	0	46225	0	66777
160	HPCL RAJASTHAN REFINERY LTD.	5	0	0	0	5
161	INDIAN CATALYST PVT. LTD.	1593	0	0	0	1593
162	INDIAN OIL CORPORATION LTD.	473934	0	2031204	0	2505138
163	INDIAN OIL-CREDA BIOFUELS LTD.	2484	7	0	0	2491
164	MANGALORE REFINERY & PETROCHEMICALS LTD.	175267	0	481578	0	656845
165	NUMALIGARH REFINERY LTD.	73563	0	33446	0	107009
166	OIL & NATURAL GAS CORPORATION LTD.	641664	0	0	0	641664
167	OIL INDIA INTERNATIONAL LTD.	10000	0	0	0	10000
168	OIL INDIA LTD.	80151	0	894753	0	974904
169	ONGC MANGALORE PETROCHEMICALS LTD.	187763	0	377516	0	565279
170	ONGC VIDESH LTD.	1500000	0	4034821	0	5534821
171	PETRONET CCK LTD.	10000	0	0	0	10000
172	PRIZE PETROLEUM COMPANY LTD.	24500	0	0	0	24500
<b>SUB TOTAL :</b>		<b>4029148</b>	<b>7</b>	<b>10663404</b>	<b>0</b>	<b>14692559</b>
<b>MINISTRY OF POWER</b>						
173	BALLABGARH - GN TRANSMISSION CO. LTD.	5	0	0	0	5
174	BHARTIYA RAIL BIJLEE CO. LTD.	158461	24793	447492	0	630746
175	BIHAR INFRAPOWER LTD.	5	0	2	0	7

S. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Loans	Money Received against Share Warrants	Total
176	BIHAR MEGA POWER LTD.	5	0	4000	0	4005
177	BIJAWAR-VIDARBHA TRANSMISSION LTD	0	0	0	0	0
178	BUNDELKHAND SAUR URJA LTD.	0	100	1263	0	1363
179	CHEYYUR INFRA LTD.	5	0	0	0	5
180	CHHATTISHGARH SURGUJA POWER LTD.	5	0	0	0	5
181	COASTAL KARNATAKA POWER LTD.	5	0	161	0	166
182	COASTAL MAHARASHTRA MEGA POWER LTD.	5	0	6159	0	6164
183	COASTAL TAMIL NADU POWER LTD.	5	0	0	0	5
184	DEOGHAR INFRA LTD.	5	0	14	0	19
185	DEOGHAR MEGA POWER LTD.	5	0	1300	0	1305
186	DINGCHANG TRANSMISSION LTD.	5	0	0	0	5
187	ERSS XXI TRANSMISSION LTD	0	0	0	0	0
188	FATEHGARH BHADLA TRANSMISSION LTD	1	0	0	0	1
189	GHATAMPUR TRANSMISSION LTD.	5	0	0	0	5
190	GHOARPALLI INTEGRATED POWER COMPANY LTD.	5	0	1558	0	1563
191	GOA-TAMNAR TRANSMISSION PROJECT LTD	0	0	0	0	0
192	GRID CONDUCTOR LTD.	0	0	0	0	0
193	JHARKHAND INFRAPOWER LTD.	5	0	0	0	5
194	KANTI BIJLEE UTPADAN NIGAM LTD.	112224	23343	234971	0	370538
195	KOHIMA-MARIANI TRANSMISSION LTD.	1	0	0	0	1
196	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	11769	0	0	0	11769
197	MEDINIPUR-JEERAT TRANSMISSION LTD.	1	0	0	0	1
198	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	5	0	0	0	5
199	NHDC LTD.	196258	0	0	0	196258
200	NHPC LTD.	1025932	0	1724564	0	2750496
201	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	345281	0	559293	0	904574
202	NTPC ELECTRIC SUPPLY COMPANY LTD.	8	0	0	0	8
203	NTPC LTD.	824546	0	9733928	0	10558474
204	NTPC VIDYUT VYAPAR NIGAM LTD.	2000	0	0	0	2000
205	ODISHA INFRAPOWER LTD.	5	0	16	0	21
206	ORISSA INTEGRATED POWER LTD.	5	0	0	0	5
207	PATRATU VIDYUT UTPADAN NIGAM LTD.	10	4662	3663	0	8335
208	PFC CAPITAL ADVISORY SERVICE LTD.	10	0	0	0	10
209	PFC CONSULTING LTD.	5	0	0	0	5
210	PFC GREEN ENERGY LTD.	30000	0	0	0	30000
211	POWER EQUITY CAPITAL ADVISORS PVT. LTD.	0	0	0	0	0
212	POWER FINANCE CORPORATION LTD.	264008	0	17484136	0	17748144
213	POWER GRID CORPORATION OF INDIA LTD.	523159	0	11096317	0	11619476
214	POWER GRID JABALPUR TRANSMISSION LTD.	15	0	20406	0	20421

S. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Loans	Money Received against Share Warrants	Total
215	POWER GRID PARLI TRANSMISSION LTD.	10	0	44539	0	44549
216	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	5	0	34257	0	34262
217	POWER GRID VEMAGIRI TRANSMISSION LTD.	0	0	0	0	0
218	POWER GRID WARORA TRANSMISSION LTD.	2510	0	67543	0	70053
219	POWER SYSTEM OPERATION CORPORATION LTD.	3064	0	81	0	3145
220	POWERGRID KALA AMB TRANSMISSION LTD.	105	0	20458	0	20563
221	POWERGRID NM TRANSMISSION LTD.	13400	2800	83925	0	100125
222	POWERGRID UNCHAHAR TRANSMISSION LTD.	1296	0	5444	0	6740
223	POWERGRID VIZAG TRANSMISSION LTD.	20973	0	101033	0	122006
224	REC POWER DISTRIBUTION CO. LTD.	5	0	85	0	90
225	REC TRANSMISSION PROJECTS CO. LTD.	5	0	0	0	5
226	RURAL ELECTRIFICATION CORPN. LTD.	197492	0	14948933	0	15146425
227	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	5	0	1634	0	1639
228	SHONGTONG KARCHAM WANGTOO TRANSMISSION LTD	0	0	0	0	0
229	SJVN LTD.	413663	0	222947	0	636610
230	SJVN THERMAL PVT. LTD.	43668	0	0	0	43668
231	SOUTH-CENTRAL EAST DELHI POWER TRANSMISSION LTD.	5	0	0	0	5
232	TANDA TRANSMISSION COMPANY LTD.	5	0	0	0	5
233	TATIYA ANDHRA MEGA POWER LTD.	5	0	0	0	5
234	THDC INDIA LTD.	359888	0	404185	0	764073
235	WR-NR POWER TRANSMISSION LTD	0	0	0	0	0
<b>SUB TOTAL :</b>		<b>4549878</b>	<b>55698</b>	<b>57254307</b>	<b>0</b>	<b>61859883</b>
<b>MINISTRY OF RAILWAYS</b>						
236	BHARAT WAGON & ENGG. CO. LTD.	7585	0	2418	0	10003
237	BRAITHWAITE & CO. LTD.	3342	0	1039	0	4381
238	BURN STANDARD COMPANY LTD.	18463	0	3991	0	22454
239	CONCOR AIR LTD.	3665	0	0	0	3665
240	CONTAINER CORPORATION OF INDIA LTD.	19497	0	0	0	19497
241	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	765827	0	694546	0	1460373
242	FRESH & HEALTHY ENTERPRISES LTD.	14567	0	0	0	14567
243	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	11	0	0	0	11
244	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	4000	0	0	0	4000
245	INDIAN RAILWAY FINANCE CORPORATION LTD.	652646	0	9671027	0	10323673
246	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	4000	0	4	0	4004
247	IRCON INFRASTRUCTURE & SERVICES LTD.	6500	0	1834	0	8334
248	IRCON INTERNATIONAL LTD.	9898	0	0	0	9898

S. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Loans	Money Received against Share Warrants	Total
249	IRCON PB TOLLWAY LTD.	16500	0	8000	0	24500
250	IRCON SHIVPURI GUNA TOLLWAY LTD.	15000	0	16265	0	31265
251	KOLKATA METRO RAIL CORPORATION LTD.	106050	10000	174464	0	290514
252	KONKAN RAILWAY CORPORATION LTD.	488597	0	175000	0	663597
253	MUMBAI RAILWAY VIKAS CORPORATION LTD.	2500	0	0	0	2500
254	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	16851	0	6200	0	23051
255	RAIL VIKAS NIGAM LTD.	208502	0	243688	0	452190
256	RAILTEL CORPORATION INDIA LTD.	32094	0	0	0	32094
257	RAILTEL ENTERPRISES LTD.	1000	0	0	0	1000
258	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	7000	0	7576	0	14576
259	RITES INFRASTRUCTURE SERVICES LTD.	5	0	0	0	5
260	RITES LTD.	20000	0	0	0	20000
261	SIDCUL CONCOR INFRA COMPANY LTD.	9957	0	0	0	9957
<b>SUB TOTAL :</b>		<b>2434057</b>	<b>10000</b>	<b>11006052</b>	<b>0</b>	<b>13450109</b>
<b>MINISTRY OF ROAD TRANSPORT AND HIGHWAYS</b>						
262	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	100	0	0	0	100
<b>SUB TOTAL :</b>		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>
<b>MINISTRY OF SCIENCE &amp; TECHNOLOGY</b>						
<b>DEPT. OF BIOTECHNOLOGY</b>						
263	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	4318	0	0	0	4318
264	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	100	0	0	0	100
265	INDIAN VACCINE CORP. LTD.	1879	0	0	0	1879
<b>SUB TOTAL :</b>		<b>6297</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6297</b>
<b>MINISTRY OF SCIENCE &amp; TECHNOLOGY</b>						
<b>DEPT. OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH</b>						
266	CENTRAL ELECTRONICS LTD.	6697	0	1514	0	8211
267	NATIONAL RESEARCH DEVELOPMENT CORPN.	442	0	0	0	442
<b>SUB TOTAL :</b>		<b>7139</b>	<b>0</b>	<b>1514</b>	<b>0</b>	<b>8653</b>
<b>MINISTRY OF SHIPPING</b>						
268	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	13048	0	0	0	13048
269	COCHIN SHIPYARD LTD.	11328	0	12300	0	23628
270	DREDGING CORPN. OF INDIA LTD.	2800	0	70024	0	72824
271	HOOGHLY DOCK AND PORT ENGINEERS LTD.	2861	0	1983	0	4844
272	INLAND & COASTAL SHIPPING LTD.	5	0	0	0	5
273	KAMARAJAR PORT LTD.	30000	0	66492	0	96492
274	SETHUSAMUDRAM CORPN. LTD.	74500	0	0	0	74500
275	SHIPPING CORPORATION OF INDIA LTD.	46580	0	307763	0	354343

S. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Loans	Money Received against Share Warrants	Total
<b>SUB TOTAL :</b>		<b>181122</b>	<b>0</b>	<b>458562</b>	<b>0</b>	<b>639684</b>
<b>MINISTRY OF SOCIAL JUSTICE &amp; EMPOWERMENT</b>						
<b>DEPT. OF EMPOWERMENT OF PERSONS WITH DISABILITY</b>						
276	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	5410	0	0	0	5410
277	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	33807	750	0	0	34557
<b>SUB TOTAL :</b>		<b>39217</b>	<b>750</b>	<b>0</b>	<b>0</b>	<b>39967</b>
<b>MINISTRY OF SOCIAL JUSTICE &amp; EMPOWERMENT</b>						
<b>DEPT. OF SOCIAL JUSTICE &amp; EMPOWERMENT</b>						
278	NATIONAL BACKWARD CLASSES FINANCE & DEVP. CO.	112400	0	0	0	112400
279	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	59499	0	0	0	59499
280	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	121802	178	0	0	121980
<b>SUB TOTAL :</b>		<b>293701</b>	<b>178</b>	<b>0</b>	<b>0</b>	<b>293879</b>
<b>MINISTRY OF STEEL</b>						
281	CHHATTISGARH MEGA STEEL CO. LTD.	5	0	0	0	5
282	EASTERN INVESTMENT LTD.	145	0	0	0	145
283	FERRO SCRAP NIGAM LTD.	3200	0	0	0	3200
284	HINDUSTAN STEELWORKS COSTN. LTD.	3430	3570	0	0	7000
285	J & K MINERAL DEVELOPMENT CORPN. LTD.	2974	0	0	0	2974
286	JHARKHAND KOLHAN STEEL LTD.	1	0	0	0	1
287	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.	1	0	0	0	1
288	KARNATAKA VIJAY NAGAR STEEL LTD.	1	0	0	0	1
289	KIOCL LTD.	63451	0	0	0	63451
290	M S T C LTD.	1760	0	0	0	1760
291	MECON LTD.	4014	0	0	0	4014
292	MOIL LTD.	13319	0	0	0	13319
293	NMDC Ltd.	31639	0	0	0	31639
294	NMDC POWER LTD.	55	0	0	0	55
295	NMDC STEEL LTD.	1	0	0	0	1
296	NMDC-CMDC LTD.	7026	827	0	0	7853
297	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	60	0	0	0	60
298	RASHTRIYA ISPAT NIGAM LTD.	488985	0	584171	0	1073156
299	SAIL REFRACTORY COMPANY LTD.	5	0	0	0	5
300	STEEL AUTHORITY OF INDIA LTD.	413053	0	1908748	0	2321801
301	THE BISRA STONE LIME COMPANY LTD.	8729	0	751	0	9480

S. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Loans	Money Received against Share Warrants	Total
<b>SUB TOTAL :</b>		<b>1041854</b>	<b>4397</b>	<b>2493670</b>	<b>0</b>	<b>3539921</b>
<b>MINISTRY OF TEXTILES</b>						
302	BIRDS JUTE & EXPORTS LTD.	40	0	2549	0	2589
303	BRITISH INDIA CORPORATION LTD.	3171	0	8555	0	11726
304	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	1085	0	80	0	1165
305	COTTON CORPN. OF INDIA LTD.	2500	0	0	0	2500
306	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	1382	0	0	0	1382
307	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1900	0	9857	0	11757
308	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	5580	0	42987	0	48567
309	NATIONAL TEXTILE CORPN. LTD.	306216	0	0	0	306216
310	THE JUTE CORPN. OF INDIA LTD.	500	0	0	0	500
<b>SUB TOTAL :</b>		<b>322374</b>	<b>0</b>	<b>64028</b>	<b>0</b>	<b>386402</b>
<b>MINISTRY OF TOURISM</b>						
311	ASSAM ASHOK HOTEL CORPN. LTD.	100	0	361	0	461
312	DONYI POLO ASHOK HOTEL LTD.	100	0	0	0	100
313	INDIA TOURISM DEV. CORPN. LTD.	8577	0	159	0	8736
314	KUMARAKRUPPA FRONTIER HOTELS LTD.	97	0	0	0	97
315	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	160	0	0	0	160
316	PONDICHERRY ASHOK HOTEL CORPN. LTD.	160	0	0	0	160
317	PUNJAB ASHOK HOTEL COMPANY LTD.	250	0	0	0	250
318	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	490	0	0	0	490
319	UTKAL ASHOK HOTEL CORPN. LTD.	480	0	0	0	480
<b>SUB TOTAL :</b>		<b>10414</b>	<b>0</b>	<b>520</b>	<b>0</b>	<b>10934</b>
<b>MINISTRY OF TRIBAL AFFAIRS</b>						
320	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	55910	1000	0	0	56910
<b>SUB TOTAL :</b>		<b>55910</b>	<b>1000</b>	<b>0</b>	<b>0</b>	<b>56910</b>
<b>MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT &amp; GANGA REJUVENATION</b>						
321	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	9453	0	0	0	9453
322	WAPCOS LTD.	6500	0	0	0	6500
<b>SUB TOTAL :</b>		<b>15953</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15953</b>



S. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Loans	Money Received against Share Warrants	Total
<b>DEPT. OF ATOMIC ENERGY</b>						
323	ANUSHAKTI VIDHYUT NIGAM LTD.	10	0	0	0	10
324	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	458820	0	106498	0	565318
325	ELECTRONICS CORPN. OF INDIA LTD.	16337	0	0	0	16337
326	INDIAN RARE EARTHS LTD.	8637	0	0	0	8637
327	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.	100	0	0	0	100
328	NPCIL - NALCO POWER COMPANY LTD.	10	0	0	0	10
329	NUCLEAR POWER CORPN. OF INDIA LTD.	1080624	0	2561759	0	3642383
330	URANIUM CORPORATION OF INDIA LTD.	161562	0	0	0	161562
<b>SUB TOTAL :</b>		<b>1726100</b>	<b>0</b>	<b>2668257</b>	<b>0</b>	<b>4394357</b>
<b>DEPT. OF SPACE</b>						
331	ANTRIX CORPORATION LTD.	400	0	0	0	400
<b>SUB TOTAL :</b>		<b>400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400</b>
<b>GRAND TOTAL :</b>		<b>23311236</b>	<b>608789</b>	<b>101117318</b>	<b>0</b>	<b>125037343</b>

**STATEMENT - 8**  
**DETAILS OF PARTICIPATION IN EQUITY OF PUBLIC ENTERPRISES BY DIFFERENT PARTIES**  
**AS ON 31.3.2017**

(₹ in Lakhs)

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others (Indian)	Total
<b>AGRO BASED INDUSTRIES</b>									
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	359	0	0	0	0	0	0	359
2	CREDA HPCL BIOFUEL LTD.	0	566	1610	0	0	0	0	2176
3	HPCL BIOFUELS LTD.	0	0	20552	0	0	0	0	20552
4	INDIAN OIL-CREDA BIOFUELS LTD.	0	0	1838	0	0	0	646	2484
5	NATIONAL SEEDS CORPN. LTD.	5732	0	0	0	0	0	0	5732
<b>SUB TOTAL :</b>		<b>6091</b>	<b>566</b>	<b>24000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>646</b>	<b>31303</b>
<b>COAL</b>									
6	BHARAT COKING COAL LTD.	0	0	211800	0	0	0	0	211800
7	CENTRAL COALFIELDS LTD.	0	0	94000	0	0	0	0	94000
8	COAL INDIA LTD.	489497	0	0	2	114652	0	16590	620741
9	EASTERN COALFIELDS LTD.	0	0	221845	0	0	0	0	221845
10	MAHANADI COALFIELDLS LTD.	0	0	14123	0	0	0	0	14123
11	NORTHERN COALFIELDS LTD.	0	0	13656	0	0	0	0	13656
12	SOUTH EASTERN COALFIELDS LTD.	0	0	29878	0	0	0	0	29878
13	WESTERN COALFIELDS LTD.	0	0	29710	0	0	0	0	29710
<b>SUB TOTAL :</b>		<b>489497</b>	<b>0</b>	<b>615012</b>	<b>2</b>	<b>114652</b>	<b>0</b>	<b>16590</b>	<b>1235753</b>
<b>CRUDE OIL</b>									
14	BHARAT PETRO RESOURCES LTD.	0	0	292000	0	0	0	0	292000
15	OIL & NATURAL GAS CORPORATION LTD.	436784	0	0	35647	81669	356	87208	641664
16	OIL INDIA LTD.	53379	0	0	138	5043	0	21591	80151
17	ONGC VIDESH LTD.	0	0	1500000	0	0	0	0	1500000
18	PRIZE PETROLEUM COMPANY LTD.	0	0	24500	0	0	0	0	24500
<b>SUB TOTAL :</b>		<b>490163</b>	<b>0</b>	<b>1816500</b>	<b>35785</b>	<b>86712</b>	<b>356</b>	<b>108799</b>	<b>2538315</b>
<b>OTHER MINERALS &amp; METALS</b>									
19	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	733	0	0	0	0	0	0	733
20	HINDUSTAN COPPER LTD.	38341	0	0	43	764	0	7113	46261
21	INDIAN RARE EARTHS LTD.	8637	0	0	0	0	0	0	8637
22	J & K MINERAL DEVELOPMENT CORPN. LTD.	0	0	2851	0	0	0	123	2974
23	KIOCL LTD.	62814	0	0	0	31	0	606	63451
24	MOIL LTD.	7487	1248	0	0	2542	2042	0	13319
25	NATIONAL ALUMINIUM COMPANY LTD.	72074	0	0	0	1763	34	22775	96646
26	NMDC Ltd.	23711	0	0	0	6876	1	1051	31639
27	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	0	0	30	1	10	0	19	60

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others (Indian)	Total
28	THE BISRA STONE LIME COMPANY LTD.	4334	0	4365	0	0	0	30	8729
29	URANIUM CORPORATION OF INDIA LTD.	161562	0	0	0	0	0	0	161562
<b>SUB TOTAL :</b>		<b>379693</b>	<b>1248</b>	<b>7246</b>	<b>44</b>	<b>11986</b>	<b>2077</b>	<b>31717</b>	<b>434011</b>
<b>STEEL</b>									
30	FERRO SCRAP NIGAM LTD.	0	0	3200	0	0	0	0	3200
31	MISHRA DHATU NIGAM LTD.	18734	0	0	0	0	0	0	18734
32	RASHTRIYA ISPAT NIGAM LTD.	488985	0	0	0	0	0	0	488985
33	STEEL AUTHORITY OF INDIA LTD.	309777	0	0	17610	68602	0	17064	413053
<b>SUB TOTAL :</b>		<b>817496</b>	<b>0</b>	<b>3200</b>	<b>17610</b>	<b>68602</b>	<b>0</b>	<b>17064</b>	<b>923972</b>
<b>PETROLEUM (REFINERY &amp; MARKETING)</b>									
34	BHARAT PETROLEUM CORPN. LTD.	79440	1244	0	32744	6394	322	10981	131125
35	CHENNAI PETROLEUM CORPORATION LTD.	0	0	7727	4325	1257	0	1591	14900
36	HINDUSTAN PETROLEUM CORPN. LTD.	51923	0	0	17490	9731	59	22424	101627
37	INDIAN OIL CORPORATION LTD.	278428	540	0	26200	17043	0	151723	473934
38	MANGALORE REFINERY & PETROCHEMICALS LTD.	0	0	125535	3358	5973	0	40401	175267
39	NUMALIGARH REFINERY LTD.	0	9082	45355	0	0	0	19126	73563
<b>SUB TOTAL :</b>		<b>409791</b>	<b>10866</b>	<b>178617</b>	<b>84117</b>	<b>40398</b>	<b>381</b>	<b>246246</b>	<b>970416</b>
<b>FERTILIZERS</b>									
40	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	36583	0	0	0	0	0	0	36583
41	FERTILIZER CORPN. OF INDIA LTD.	75092	0	0	0	0	0	0	75092
42	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	58236	259	0	0	1	0	6211	64707
43	HINDUSTAN FERTILIZER CORPN. LTD.	68654	0	0	0	0	0	0	68654
44	MADRAS FERTILIZERS LTD.	9585	0	0	4152	0	16	2461	16214
45	NATIONAL FERTILIZERS LTD.	44012	0	0	0	3040	0	2006	49058
46	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	44136	0	0	186	4108	0	6739	55169
<b>SUB TOTAL :</b>		<b>336298</b>	<b>259</b>	<b>0</b>	<b>4338</b>	<b>7149</b>	<b>16</b>	<b>17417</b>	<b>365477</b>
<b>CHEMICALS &amp; PHARMACEUTICALS</b>									
47	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	7696	0	0	0	0	0	0	7696
48	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	2559	0	0	0	0	0	1759	4318
49	BRAHAMPUTRA CRACKERS & POLYMER LTD.	0	14176	126104	0	0	0	0	140280
50	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	1407	495	0	0	0	0	0	1902
51	HINDUSTAN ANTIBIOTICS LTD.	7172	0	0	0	0	0	0	7172

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others (Indian)	Total
52	HINDUSTAN FLUOROCARBONS LIMITED	87	33	1106	32	82	6	615	1961
53	HINDUSTAN INSECTICIDES LTD.	9133	0	0	0	0	0	0	9133
54	HINDUSTAN ORGANIC CHEMICALS LTD.	30948	0	0	0	0	0	2779	33727
55	HLL BIOTECH LTD.	0	0	27489	0	0	0	0	27489
56	IDPL (TAMILNADU) LTD.	0	0	2127	0	0	0	0	2127
57	INDIAN DRUGS & PHARMACEUTICALS LTD.	11688	0	0	0	0	0	0	11688
58	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	4830	98	0	0	0	0	0	4928
59	INDIAN VACCINE CORP. LTD.	1253	0	0	0	0	0	626	1879
60	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	798	551	0	0	0	0	0	1349
61	ONGC MANGALORE PETROCHEMICALS LTD.	0	0	187763	0	0	0	0	187763
62	ORISSA DRUGS & CHEMICALS LTD.	0	0	67	0	65	0	0	132
63	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	255	244	0	0	0	0	0	499
<b>SUB TOTAL :</b>		<b>77826</b>	<b>15597</b>	<b>344656</b>	<b>32</b>	<b>147</b>	<b>6</b>	<b>5779</b>	<b>444043</b>
<b>HEAVY &amp; MEDIUM ENGINEERING</b>									
64	BALMER LAWRIE & CO. LTD.	4	5	7045	412	159	24	3751	11400
65	BEL OPTRONICS DEVICES LTD.	0	0	5923	0	0	0	0	5923
66	BEL-THALES SYSTEMS LTD.	0	0	4264	288	0	0	1210	5762
67	BHARAT DYNAMICS LTD.	12219	0	0	0	0	0	0	12219
68	BHARAT ELECTRONICS LTD.	15230	0	0	42	4221	0	2843	22336
69	BHARAT HEAVY ELECTRICALS LTD.	30869	0	0	7880	8041	22	2140	48952
70	BHARAT PUMPS & COMPRESSORS LTD.	5353	0	0	0	0	0	0	5353
71	BHARAT WAGON & ENGG. CO. LTD.	7585	0	0	0	0	0	0	7585
72	BHEL ELECTRICAL MACHINES LTD.	0	515	535	0	0	0	0	1050
73	BRAITHWAITE & CO. LTD.	3342	0	0	0	0	0	0	3342
74	BURN STANDARD COMPANY LTD.	18463	0	0	0	0	0	0	18463
75	CENTRAL ELECTRONICS LTD.	6697	0	0	0	0	0	0	6697
76	COCHIN SHIPYARD LTD.	11328	0	0	0	0	0	0	11328
77	ELECTRONICS CORPN. OF INDIA LTD.	16337	0	0	0	0	0	0	16337
78	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	12384	0	0	0	0	0	0	12384
79	GOA SHIPYARD LTD.	2973	0	0	0	0	1	2846	5820
80	HEAVY ENGINEERING CORPN. LTD.	60608	0	0	0	0	0	0	60608
81	HINDUSTAN AERONAUTICS LTD.	36150	0	0	0	0	0	0	36150
82	HINDUSTAN CABLES LTD.	41769	0	0	0	167	0	0	41936
83	HINDUSTAN SHIPYARD LTD.	30199	0	0	0	0	0	0	30199
84	HMT BEARINGS LTD.	0	0	3747	0	0	0	24	3771
85	HMT CHINAR WATCHES LTD.	0	0	166	0	0	0	0	166

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others (Indian)	Total
86	HMT LTD.	112805	0	0	12	4	0	7588	120409
87	HMT MACHINE TOOLS LTD.	0	0	27660	0	0	0	0	27660
88	HMT WATCHES LTD.	0	0	649	0	0	0	0	649
89	HOOGHLY DOCK AND PORT ENGINEERS LTD.	2861	0	0	0	0	0	0	2861
90	I T I LTD.	83089	31	0	0	0	0	2880	86000
91	INSTRUMENTATION LTD.	2405	0	0	0	0	0	0	2405
92	MAZAGON DOCK SHIPBUILDERS LTD.	24900	0	0	0	0	0	0	24900
93	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	0	625	0	0	0	600	1225
94	RICHARDSON & CRUDDAS(1972) LTD.	15661	0	0	0	0	0	0	15661
95	SAIL REFRACTORY COMPANY LTD.	0	0	5	0	0	0	0	5
96	SCOOTERS INDIA LTD.	8003	0	0	0	2	0	533	8538
97	TUNGABHADRA STEEL PRODUCTS LTD.	669	175	0	0	0	0	0	844
98	VIGNYAN INDUSTRIES LTD.	0	0	269	0	0	0	10	279
<b>SUB TOTAL :</b>		<b>561903</b>	<b>726</b>	<b>50888</b>	<b>8634</b>	<b>12594</b>	<b>47</b>	<b>24425</b>	<b>659217</b>
<b>TRANSPORTATION VEHICLE &amp; EQUIPMENT</b>									
99	BEML LTD.	2250	0	0	324	282	0	1321	4177
<b>SUB TOTAL :</b>		<b>2250</b>	<b>0</b>	<b>0</b>	<b>324</b>	<b>282</b>	<b>0</b>	<b>1321</b>	<b>4177</b>
<b>INDUSTRIAL AND CONSUMER GOODS</b>									
100	ANDREW YULE & COMPANY LTD.	8727	0	0	0	625	0	427	9779
101	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	5410	0	0	0	0	0	0	5410
102	CEMENT CORPN. OF INDIA LTD.	81141	0	0	0	0	0	0	81141
103	HINDUSTAN NEWSPRINT LTD.	10000	0	0	0	0	0	0	10000
104	HINDUSTAN PAPER CORPORATION LTD.	71830	9900	0	0	0	0	0	81730
105	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	18618	0	150	0	1919	0	0	20687
106	HINDUSTAN SALTS LTD.	4206	0	0	0	0	0	0	4206
107	HLL LIFECARE LTD.	29042	0	0	0	0	0	0	29042
108	HOOGHLY PRINTING COMPANY LTD.	0	0	103	0	0	0	0	103
109	NAGALAND PULP & PAPER COMPANY LTD.	0	0	6662	0	0	0	0	6662
110	NEPA LTD.	55348	3054	0	0	0	0	69	58471
111	SAMBHAR SALTS LTD.	0	40	60	0	0	0	0	100
112	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	118249	0	0	0	0	0	0	118249
<b>SUB TOTAL :</b>		<b>402571</b>	<b>12994</b>	<b>6975</b>	<b>0</b>	<b>2544</b>	<b>0</b>	<b>496</b>	<b>425580</b>
<b>TEXTILES</b>									
113	BIRDS JUTE & EXPORTS LTD.	0	0	26	0	4	0	10	40

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others (Indian)	Total
114	BRITISH INDIA CORPORATION LTD.	3074	0	0	0	89	0	8	3171
115	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	5580	0	0	0	0	0	0	5580
116	NATIONAL TEXTILE CORPN. LTD.	305488	728	0	0	0	0	0	306216
<b>SUB TOTAL :</b>		<b>314142</b>	<b>728</b>	<b>26</b>	<b>0</b>	<b>93</b>	<b>0</b>	<b>18</b>	<b>315007</b>
<b>POWER GENERATION</b>									
117	BHARTIYA RAIL BIJLEE CO. LTD.	41200	0	117261	0	0	0	0	158461
118	KAN'TI BIJLEE UTPADAN NIGAM LTD.	0	39278	72946	0	0	0	0	112224
119	NHDC LTD.	0	96016	100242	0	0	0	0	196258
120	NHPC LTD.	764341	0	0	36692	19356	248	205295	1025932
121	NLC INDIA LTD.	136539	0	0	166	13663	103	2386	152857
122	NLC TAMIL NADU POWER LTD.	0	0	194736	0	0	0	24068	218804
123	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	345281	0	0	0	0	0	0	345281
124	NTPC LTD.	575076	0	0	86035	108467	0	54968	824546
125	NUCLEAR POWER CORPN. OF INDIA LTD.	1080624	0	0	0	0	0	0	1080624
126	PATRATU VIDYUT UTPADAN NIGAM LTD.	0	0	7	0	0	0	3	10
127	SJVN LTD.	266661	105501	0	0	0	0	41501	413663
128	THDC INDIA LTD.	266394	93494	0	0	0	0	0	359888
<b>SUB TOTAL :</b>		<b>3476116</b>	<b>334289</b>	<b>485192</b>	<b>122893</b>	<b>141486</b>	<b>351</b>	<b>328221</b>	<b>4888548</b>
<b>POWER TRANSMISSION</b>									
129	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	8	0	0	0	0	8
130	POWER GRID CORPORATION OF INDIA LTD.	302884	0	0	140199	44387	31	35658	523159
131	POWER GRID WARORA TRANSMISSION LTD.	0	0	2510	0	0	0	0	2510
132	POWERGRID NM TRANSMISSION LTD.	0	0	13400	0	0	0	0	13400
133	POWERGRID UNCHAHAHAR TRANSMISSION LTD.	0	0	1296	0	0	0	0	1296
134	POWERGRID VIZAG TRANSMISSION LTD.	0	0	20973	0	0	0	0	20973
135	REC POWER DISTRIBUTION CO. LTD.	0	0	5	0	0	0	0	5
136	REC TRANSMISSION PROJECTS CO. LTD.	0	0	5	0	0	0	0	5
<b>SUB TOTAL :</b>		<b>302884</b>	<b>0</b>	<b>38197</b>	<b>140199</b>	<b>44387</b>	<b>31</b>	<b>35658</b>	<b>561356</b>
<b>TRADING &amp; MARKETING</b>									
137	ANTRIX CORPORATION LTD.	400	0	0	0	0	0	0	400
138	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	1085	0	0	0	0	0	0	1085
139	COTTON CORPN. OF INDIA LTD.	2500	0	0	0	0	0	0	2500
140	FOOD CORPN. OF INDIA	286107	0	0	0	0	0	0	286107
141	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	1382	0	0	0	0	0	0	1382



S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others (Indian)	Total
142	HMT (INTERNATIONAL) LTD.	0	0	72	0	0	0	0	72
143	INDIA TRADE PROMOTION ORGANISATION	25	0	0	0	0	0	0	25
144	KARNATAKA TRADE PROMOTION ORGANISATION	0	980	1020	0	0	0	0	2000
145	M M T C LTD.	8993	0	0	0	599	0	408	10000
146	M S T C LTD.	1581	0	0	0	0	0	179	1760
147	NATIONAL FILM DEV. CORPN. LTD.	4540	0	0	0	0	0	0	4540
148	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1900	0	0	0	0	0	0	1900
149	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	850	0	0	0	0	0	0	850
150	NORTH EASTERN REGIONAL AGRI. MARKETING CORPLTD.	762	0	0	0	0	0	0	762
151	NTPC VIDYUT VYAPAR NIGAM LTD.	0	0	2000	0	0	0	0	2000
152	P E C LTD.	6000	0	0	0	0	0	0	6000
153	STATE TRADING CORPN. OF INDIA LTD.	5400	0	0	0	0	0	600	6000
154	STCL LTD.	0	0	150	0	0	0	0	150
155	TAMIL NADU TRADE PROMOTION ORGANISATION	0	0	1	0	0	0	0	1
156	THE JUTE CORPN. OF INDIA LTD.	500	0	0	0	0	0	0	500
<b>SUB TOTAL :</b>		<b>322025</b>	<b>980</b>	<b>3243</b>	<b>0</b>	<b>599</b>	<b>0</b>	<b>1187</b>	<b>328034</b>
<b>TRANSPORT AND LOGISTIC SERVICES</b>									
157	AIR INDIA AIR 'TRANSPORT' SERVICES LTD.	0	0	13842	0	0	0	0	13842
158	AIR INDIA ENGINEERING SERVICES LTD.	0	0	16667	0	0	0	0	16667
159	AIR INDIA EXPRESS LTD.	0	78000	0	0	0	0	0	78000
160	AIR INDIA LTD.	2675300	0	0	0	0	0	0	2675300
161	AIRLINE ALLIED SERVICES LTD.	0	0	40225	0	0	0	0	40225
162	AIRPORTS AUTHORITY OF INDIA	65656	0	0	0	0	0	0	65656
163	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	13033	15	0	0	0	0	0	13048
164	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	0	0	4056	0	0	0	0	4056
165	CENTRAL WAREHOUSING CORPN.	3742	0	0	0	2566	0	494	6802
166	CONCOR AIR LTD.	0	0	3665	0	0	0	0	3665
167	CONTAINER CORPORATION OF INDIA LTD.	10684	0	0	5300	2802	0	711	19497
168	DREDGING CORPN. OF INDIA LTD.	2057	0	0	0	109	3	631	2800
169	FRESH & HEALTHY ENTERPRISES LTD.	0	0	14567	0	0	0	0	14567
170	GAIL (INDIA) LTD.	92065	0	0	1635	54202	0	21228	169130
171	GAIL GAS LTD.	0	0	6300	56400	0	0	0	62700
172	KAMARAJAR PORT LTD.	20000	0	0	0	0	0	10000	30000

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others (Indian)	Total
173	PAWAN HANS LTD.	12527	0	0	0	0	0	12035	24562
174	PETRONET CCK LTD.	0	0	10000	0	0	0	0	10000
175	SHIPPING CORPORATION OF INDIA LTD.	29694	0	0	1660	781	0	14445	46580
176	SIDCUL CONCOR INFRA COMPANY LTD.	0	0	7368	0	0	0	2589	9957
177	TCIL BINA TOLL ROAD LTD.	1957	0	0	0	0	0	0	1957
<b>SUB TOTAL :</b>		<b>2926715</b>	<b>78015</b>	<b>116690</b>	<b>64995</b>	<b>60460</b>	<b>3</b>	<b>62133</b>	<b>3309011</b>
<b>CONTRACT &amp; CONSTRUCTION AND TECH. CONSULTANCY SERVICES</b>									
178	AGRINNOVATE INDIA LTD.	5000	0	0	0	0	0	0	5000
179	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	10373	0	0	0	0	0	1388	11761
180	BRIDGE & ROOF CO.(INDIA) LTD.	5463	0	0	0	0	0	36	5499
181	BROADCAST ENGG. CONSULTANTS INDIA LTD.	137	0	0	0	0	0	0	137
182	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	0	0	1904	0	0	0	0	1904
183	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	0	0	100	0	0	0	0	100
184	DELHI POLICE HOUSING CORPORATION LTD.	500	0	0	0	0	0	0	500
185	EdCIL(India) Ltd.	200	0	0	0	0	0	0	200
186	ENGINEERING PROJECTS (INDIA) LTD.	3541	0	0	0	0	0	1	3542
187	ENGINEERS INDIA LTD.	19211	0	0	0	9000	0	5483	33694
188	HINDUSTAN PREFAB LTD.	13477	0	0	0	0	0	0	13477
189	HINDUSTAN STEELWORKS COSTN. LTD.	3430	0	0	0	0	0	0	3430
190	HLL INFRA TECH SERVICES LTD.	0	0	5	0	0	0	0	5
191	HSCC (INDIA) LTD.	240	0	0	0	0	0	0	240
192	IIFCL PROJECTS LTD.	0	0	475	0	0	0	0	475
193	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	0	0	2040	0	0	0	1960	4000
194	IRCON INFRASTRUCTURE & SERVICES LTD.	0	0	6500	0	0	0	0	6500
195	IRCON INTERNATIONAL LTD.	9871	0	0	0	27	0	0	9898
196	IRCON PB TOLLWAY LTD.	0	0	16500	0	0	0	0	16500
197	IRCON SHIVPURI GUNA TOLLWAY LTD.	0	0	15000	0	0	0	0	15000
198	KONKAN RAILWAY CORPORATION LTD.	449080	39517	0	0	0	0	0	488597
199	MECON LTD.	4014	0	0	0	0	0	0	4014
200	MINERAL EXPLORATION CORPN. LTD.	11955	0	0	0	0	0	0	11955
201	MUMBAI RAILWAY VIKAS CORPORATION LTD.	1275	1225	0	0	0	0	0	2500

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others (Indian)	Total
202	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	100	0	0	0	0	0	0	100
203	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	9348	105	0	0	0	0	0	9453
204	NATIONAL RESEARCH DEVELOPMENT CORPN.	442	0	0	0	0	0	0	442
205	NATIONAL SMALL INDUSTRIES CORPN. LTD.	53299	0	0	0	0	0	0	53299
206	NBCC (INDIA) LTD.	13500	0	0	0	0	0	4500	18000
207	NBCC ENGINEERING AND CONSULTANCY LTD.	0	0	100	0	0	0	0	100
208	NBCC SERVICES LTD.	0	0	200	0	0	0	0	200
209	PFC CAPITAL ADVISORY SERVICE LTD.	0	0	10	0	0	0	0	10
210	PFC CONSULTING LTD.	0	0	5	0	0	0	0	5
211	POWER SYSTEM OPERATION CORPORATION LTD.	3064	0	0	0	0	0	0	3064
212	PROJECTS & DEVELOPMENT INDIA LTD.	1730	0	0	0	0	0	0	1730
213	RAIL VIKAS NIGAM LTD.	208502	0	0	0	0	0	0	208502
214	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	3430	0	3570	0	0	0	0	7000
215	RITES INFRASTRUCTURE SERVICES LTD.	0	0	5	0	0	0	0	5
216	RITES LTD.	20000	0	0	0	0	0	0	20000
217	SOLAR ENERGY CORPORATION OF INDIA	30400	0	0	0	0	0	0	30400
218	TCIL LAKHNADONE TOLL ROAD LTD.	2311	0	0	0	0	0	0	2311
219	WAPCOS LTD.	6500	0	0	0	0	0	0	6500
<b>SUB TOTAL :</b>		<b>890393</b>	<b>40847</b>	<b>46414</b>	<b>0</b>	<b>9027</b>	<b>0</b>	<b>13368</b>	<b>1000049</b>
<b>HOTEL AND TOURIST SERVICES</b>									
220	ASSAM ASHOK HOTEL CORPN. LTD.	0	49	51	0	0	0	0	100
221	DONYI POLO ASHOK HOTEL LTD.	51	49	0	0	0	0	0	100
222	HOTEL CORPN. OF INDIA LTD.	2700	0	11060	0	0	0	0	13760
223	INDIA TOURISM DEV. CORPN. LTD.	7464	0	0	0	322	0	791	8577
224	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	4000	0	0	0	0	0	0	4000
225	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	0	78	82	0	0	0	0	160
226	PONDICHERRY ASHOK HOTEL CORPN. LTD.	0	0	82	0	0	0	78	160
227	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	0	0	490	0	0	0	0	490
228	UTKAL ASHOK HOTEL CORPN. LTD.	0	0	480	0	0	0	0	480
<b>SUB TOTAL :</b>		<b>14215</b>	<b>176</b>	<b>12245</b>	<b>0</b>	<b>322</b>	<b>0</b>	<b>869</b>	<b>27827</b>
<b>FINANCIAL SERVICES</b>									

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others (Indian)	Total
229	BALMER LAWRIE INVESTMENTS LTD.	1325	0	0	153	3	0	739	2220
230	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	100	0	0	0	0	0	0	100
231	E. C. G. C. LTD.	145000	0	0	0	0	0	0	145000
232	EASTERN INVESTMENT LTD.	23	0	74	1	11	0	36	145
233	HOUSING & URBAN DEV. CORPN. LTD.	200190	0	0	0	0	0	0	200190
234	IIFCL ASSET MANAGEMENT COMPANY LTD.	0	0	1250	0	0	0	0	1250
235	INDIA INFRASTRUCTURE FINANCE CO. LTD.	400232	0	0	0	0	0	0	400232
236	INDIA POST PAYMENT BANK LTD	27500	0	0	0	0	0	0	27500
237	INDIAN RAILWAY FINANCE CORPORATION LTD.	652646	0	0	0	0	0	0	652646
238	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	78460	0	0	0	0	0	0	78460
239	JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	5000	1000	0	0	0	0	2000	8000
240	KUMARAKRUPPA FRONTIER HOTELS LTD.	88	0	0	0	0	0	9	97
241	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	112400	0	0	0	0	0	0	112400
242	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	33807	0	0	0	0	0	0	33807
243	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	126500	27482	0	0	0	0	0	153982
244	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	59499	0	0	0	0	0	0	59499
245	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	121802	0	0	0	0	0	0	121802
246	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	55910	0	0	0	0	0	0	55910
247	PFC GREEN ENERGY LTD.	0	0	30000	0	0	0	0	30000
248	POWER FINANCE CORPORATION LTD.	175163	0	0	367	49974	146	38358	264008
249	RURAL ELECTRIFICATION CORPN. LTD.	116250	0	0	13	49783	110	31336	197492
<b>SUB TOTAL :</b>		<b>2311895</b>	<b>28482</b>	<b>31324</b>	<b>534</b>	<b>99771</b>	<b>256</b>	<b>72478</b>	<b>2544740</b>
<b>TELECOMMUNICATION &amp; INFORMATION TECHNOLOGY</b>									
250	BHARAT BROADBAND NETWORK LTD.	6000	0	0	0	0	0	0	6000
251	BHARAT SANCHAR NIGAM LTD.	500000	0	0	0	0	0	0	500000
252	MAHANAGAR TELEPHONE NIGAM LTD.	35438	0	0	1450	13225	0	12887	63000
253	MILLENNIUM TELECOM LTD.	0	0	288	0	0	0	0	288
254	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	200	0	0	0	0	0	0	200
255	RAILTEL CORPORATION INDIA LTD.	32094	0	0	0	0	0	0	32094

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others (Indian)	Total
256	RAILTEL ENTERPRISES LTD.	0	0	1000	0	0	0	0	1000
257	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	5920	0	0	0	0	0	0	5920
<b>SUB TOTAL :</b>		<b>579652</b>	<b>0</b>	<b>1288</b>	<b>1450</b>	<b>13225</b>	<b>0</b>	<b>12887</b>	<b>608502</b>
<b>ENTERPRISES UNDER CONSTRUCTION</b>									
258	ANUSHAKTI VIDHYUT NIGAM LTD.	0	0	5	0	0	0	5	10
259	BALLABGARH - GN TRANSMISSION CO. LTD.	0	0	5	0	0	0	0	5
260	BHARAT PETRO RESOURCES JPDA	0	0	6000	0	0	0	0	6000
261	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	436112	0	0	0	0	0	22708	458820
262	BIHAR INFRAPOWER LTD.	0	0	5	0	0	0	0	5
263	BIHAR MEGA POWER LTD.	0	0	5	0	0	0	0	5
264	BIJAWAR-VIDARBHA TRANSMISSION LTD	0	0	0	0	0	0	0	0
265	BPCL-KIAL FUEL PVT. LTD.	0	0	440	0	0	0	160	600
266	BUNDELKHAND SAUR URJA LTD.	0	0	0	0	0	0	0	0
267	CHEYYUR INFRA LTD.	0	0	5	0	0	0	0	5
268	CHHATTISGARH EAST RAILWAYS LTD.	0	0	20572	0	0	0	10028	30600
269	CHHATTISGARH EAST-WEST RAILWAYS LTD.	0	0	32288	0	0	0	18118	50406
270	CHHATTISGARH MEGA STEEL CO. LTD.	0	0	5	0	0	0	0	5
271	CHHATTISGARH SURGUJA POWER LTD.	0	0	5	0	0	0	0	5
272	COASTAL KARNATAKA POWER LTD.	0	0	5	0	0	0	0	5
273	COASTAL MAHARASHTRA MEGA POWER LTD.	0	0	5	0	0	0	0	5
274	COASTAL TAMIL NADU POWER LTD.	0	0	5	0	0	0	0	5
275	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	765827	0	0	0	0	0	0	765827
276	DEOGHAR INFRA LTD.	0	0	5	0	0	0	0	5
277	DEOGHAR MEGA POWER LTD.	0	0	5	0	0	0	0	5
278	DINGCHANG TRANSMISSION LTD.	0	0	5	0	0	0	0	5
279	ERSS XXI TRANSMISSION LTD	0	0	0	0	0	0	0	0
280	FATEHGARH BHADLA TRANSMISSION LTD	0	0	1	0	0	0	0	1
281	GHATAMPUR TRANSMISSION LTD.	0	0	5	0	0	0	0	5
282	GHOARPALLI INTEGRATED POWER COMPANY LTD.	0	0	5	0	0	0	0	5
283	GOA-TAMNAR TRANSMISSION PROJECT LTD	0	0	0	0	0	0	0	0
284	GRID CONDUCTOR LTD.	0	0	0	0	0	0	0	0
285	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	0	0	11	0	0	0	0	11
286	HLL MEDIPARK LTD	0	0	10	0	0	0	0	10

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others (Indian)	Total
287	HPCL RAJASTHAN REFINERY LTD.	0	1	4	0	0	0	0	5
288	INDIAN CATALYST PVT. LTD.	0	0	1593	0	0	0	0	1593
289	INLAND & COASTAL SHIPPING LTD.	0	0	5	0	0	0	0	5
290	JAGDISHPUR PAPER MILLS LTD.	0	0	5	0	0	0	0	5
291	JHARKHAND INFRAPOWER LTD.	0	0	5	0	0	0	0	5
292	JHARKHAND KOLHAN STEEL LTD.	0	0	1	0	0	0	0	1
293	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.	0	0	0	0	0	0	1	1
294	KARNATAKA VIJAY NAGAR STEEL LTD.	0	0	1	0	0	0	0	1
295	KOHIMA-MARIANI TRANSMISSION LTD.	0	0	1	0	0	0	0	1
296	KOLKATA METRO RAIL CORPORATION LTD.	106050	0	0	0	0	0	0	106050
297	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	0	3060	8709	0	0	0	0	11769
298	MAHANADI BASIN POWER LTD.	0	0	5	0	0	0	0	5
299	MAMC INDUSTRIES LTD.	0	0	0	0	0	0	0	0
300	MEDINIPUR-JEERAT TRANSMISSION LTD.	0	0	1	0	0	0	0	1
301	MJSJ COAL LTD.	5706	0	0	0	0	0	3804	9510
302	MNH SHAKTI LTD.	0	0	5957	0	0	0	2553	8510
303	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	0	0	5	0	0	0	0	5
304	NAINI AEROSPACE LTD.	0	0	3000	0	0	0	0	3000
305	NEYVELI UTTAR PRADESH POWER LTD	0	0	46124	0	0	0	44316	90440
306	NMDC POWER LTD.	0	0	55	0	0	0	0	55
307	NMDC STEEL LTD.	0	0	1	0	0	0	0	1
308	NMDC-CMDC LTD.	0	0	0	0	0	0	7026	7026
309	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.	0	0	74	0	0	0	26	100
310	NPCIL - NALCO POWER COMPANY LTD.	0	0	7	0	0	0	3	10
311	ODISHA INFRAPOWER LTD.	0	0	5	0	0	0	0	5
312	OIL INDIA INTERNATIONAL LTD.	0	0	10000	0	0	0	0	10000
313	ORISSA INTEGRATED POWER LTD.	0	0	5	0	0	0	0	5
314	POWER EQUITY CAPITAL ADVISORS PVT. LTD.	0	0	0	0	0	0	0	0
315	POWER GRID JABALPUR TRANSMISSION LTD.	0	0	15	0	0	0	0	15
316	POWER GRID PARLI TRANSMISSION LTD.	0	0	10	0	0	0	0	10
317	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	0	0	5	0	0	0	0	5



S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others (Indian)	Total
318	POWER GRID VEMAGIRI TRANSMISSION LTD.	0	0	0	0	0	0	0	0
319	POWERGRID KALA AMB TRANSMISSION LTD.	0	0	105	0	0	0	0	105
320	PUNJAB ASHOK HOTEL COMPANY LTD.	0	0	128	0	0	0	122	250
321	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	0	0	16851	0	0	0	0	16851
322	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	0	0	5	0	0	0	0	5
323	SETHUSAMUDRAM CORPN. LTD.	49500	0	0	0	0	0	25000	74500
324	SHONGTONG KARCHAM WANGTOO TRANSMISSION LTD	0	0	0	0	0	0	0	0
325	SJVN THERMAL PVT. LTD.	0	0	43668	0	0	0	0	43668
326	SOUTH-CENTRAL EAST DELHI POWER TRANSMISSION LTD.	0	0	5	0	0	0	0	5
327	TANDA TRANSMISSION COMPANY LTD.	0	0	5	0	0	0	0	5
328	TATIYA ANDHRA MEGA POWER LTD.	0	0	5	0	0	0	0	5
329	WR-NR POWER TRANSMISSION LTD	0	0	0	0	0	0	0	0
330	YULE ELECTRICAL LTD.	0	0	5	0	0	0	0	5
331	YULE ENGINEERING COMPANY LTD.	0	0	5	0	0	0	0	5
<b>SUB TOTAL :</b>		<b>1363195</b>	<b>3061</b>	<b>195772</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>133870</b>	<b>1695898</b>
<b>GRAND TOTAL :</b>		<b>16474811</b>	<b>528834</b>	<b>3977485</b>	<b>480957</b>	<b>714436</b>	<b>3524</b>	<b>1131189</b>	<b>23311236</b>

**STATEMENT - 9**  
**DETAILS OF SHORT TERM BORROWINGS(SECURED+UNSECURED) OF CPSEs AS ON**  
**31.3.2017**

(₹ in Lakhs)

S.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
<b>AGRO BASED INDUSTRIES</b>								
1	HPCL BIOFUELS LTD.	0	0	0	2198	0	0	2198
2	NATIONAL SEEDS CORPN. LTD.	0	0	0	267	0	0	267
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>2465</b>	<b>0</b>	<b>0</b>	<b>2465</b>
<b>COAL</b>								
3	CENTRAL COALFIELDS LTD.	0	0	0	110378	0	0	110378
4	MAHANADI COALFIELDLS LTD.	0	0	70000	150000	0	0	220000
5	NORTHERN COALFIELDS LTD.	0	0	25000	0	0	0	25000
6	SOUTH EASTERN COALFIELDS LTD.	0	0	25000	0	0	0	25000
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>120000</b>	<b>260378</b>	<b>0</b>	<b>0</b>	<b>380378</b>
<b>CRUDE OIL</b>								
7	ONGC VIDESH LTD.	0	0	0	604443	0	0	604443
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>604443</b>	<b>0</b>	<b>0</b>	<b>604443</b>
<b>OTHER MINERALS &amp; METALS</b>								
8	HINDUSTAN COPPER LTD.	0	0	0	26709	0	0	26709
9	NATIONAL ALUMINIUM COMPANY LTD.	0	0	0	5109	0	0	5109
10	URANIUM CORPORATION OF INDIA LTD.	0	0	0	54022	0	10000	64022
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>85840</b>	<b>0</b>	<b>10000</b>	<b>95840</b>
<b>STEEL</b>								
11	MISHRA DHATU NIGAM LTD.	0	0	0	1255	0	0	1255
12	RASHTRIYA ISPAT NIGAM LTD.	0	0	0	804884	0	0	804884
13	STEEL AUTHORITY OF INDIA LTD.	0	0	0	130209	1002702	848393	1981304
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>936348</b>	<b>1002702</b>	<b>848393</b>	<b>2787443</b>
<b>PETROLEUM (REFINERY &amp; MARKETING)</b>								
14	BHARAT PETROLEUM CORPN. LTD.	0	0	0	8760	578976	135000	722736
15	CHENNAI PETROLEUM CORPORATION LTD.	0	0	0	4844	0	312500	317344
16	HINDUSTAN PETROLEUM CORPN. LTD.	0	0	0	443124	0	646117	1089241
17	INDIAN OIL CORPORATION LTD.	0	0	0	534352	2029679	443245	3007276
18	MANGALORE REFINERY & PETROCHEMICALS LTD.	0	0	0	52019	129710	0	181729
19	NUMALIGARH REFINERY LTD.	0	0	0	1864	0	0	1864
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1044963</b>	<b>2738365</b>	<b>1536862</b>	<b>5320190</b>
<b>FERTILIZERS</b>								
20	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	0	0	0	63181	0	0	63181

S.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
21	HINDUSTAN FERTILIZER CORPN. LTD.	0	0	0	0	0	713	713
22	MADRAS FERTILIZERS LTD.	976	0	0	0	19606	0	20582
23	NATIONAL FERTILIZERS LTD.	0	0	0	315373	0	0	315373
24	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	0	0	0	92486	28068	34000	154554
<b>SUB TOTAL :</b>		<b>976</b>	<b>0</b>	<b>0</b>	<b>471040</b>	<b>47674</b>	<b>34713</b>	<b>554403</b>
<b>CHEMICALS &amp; PHARMACEUTICALS</b>								
25	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	0	0	0	1271	0	0	1271
26	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	0	0	0	6	0	0	6
27	BRAHAMPUTRA CRACKERS & POLYMER LTD.	0	0	0	43475	0	0	43475
28	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	689	0	0	689
29	HINDUSTAN ANTIBIOTICS LTD.	0	0	0	15016	0	4325	19341
30	HINDUSTAN FLUOROCARBONS LIMITED	0	0	0	337	0	0	337
31	HINDUSTAN INSECTICIDES LTD.	0	0	0	11426	0	0	11426
32	HINDUSTAN ORGANIC CHEMICALS LTD.	0	0	0	4141	0	0	4141
33	INDIAN DRUGS & PHARMACEUTICALS LTD.	0	0	0	172372	0	0	172372
34	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	0	0	0	145	0	0	145
35	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	310	0	0	310
36	ONGC MANGALORE PETROCHEMICALS LTD.	0	0	0	12694	0	272441	285135
37	ORISSA DRUGS & CHEMICALS LTD.	0	15	172	38	0	0	225
38	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	0	0	0	1417	0	0	1417
<b>SUB TOTAL :</b>		<b>0</b>	<b>15</b>	<b>172</b>	<b>263337</b>	<b>0</b>	<b>276766</b>	<b>540290</b>
<b>HEAVY &amp; MEDIUM ENGINEERING</b>								
39	BEL OPTRONICS DEVICES LTD.	0	0	2097	1358	0	0	3455
40	BHARAT PUMPS & COMPRESSORS LTD.	0	0	0	3281	0	0	3281
41	BHEL ELECTRICAL MACHINES LTD.	0	0	341	604	0	0	945
42	BRAITHWAITE & CO. LTD.	0	0	0	892	0	0	892
43	BURN STANDARD COMPANY LTD.	0	0	0	6384	0	0	6384
44	CENTRAL ELECTRONICS LTD.	0	0	0	2821	0	0	2821
45	ELECTRONICS CORPN. OF INDIA LTD.	0	0	0	26542	0	1793	28335
46	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	0	0	0	2500	0	0	2500
47	HEAVY ENGINEERING CORPN. LTD.	0	0	0	13879	0	0	13879

S.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
48	HINDUSTAN AERONAUTICS LTD.	0	0	0	95000	0	0	95000
49	HINDUSTAN SHIPYARD LTD.	0	0	0	12939	0	0	12939
50	HMT LTD.	0	0	0	302	0	430	732
51	HMT MACHINE TOOLS LTD.	0	0	155	3129	0	0	3284
52	HOOGHLY DOCK AND PORT ENGINEERS LTD.	0	0	0	57	0	55	112
53	I T I LTD.	0	0	0	87917	0	0	87917
54	INSTRUMENTATION LTD.	0	0	0	9489	0	0	9489
55	SCOOTERS INDIA LTD.	0	0	0	1276	0	0	1276
56	TUNGABHADRA STEEL PRODUCTS LTD.	0	0	0	1209	0	0	1209
57	VIGNYAN INDUSTRIES LTD.	0	0	0	182	0	0	182
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>2593</b>	<b>269761</b>	<b>0</b>	<b>2278</b>	<b>274632</b>
<b>TRANSPORATATION VEHICLE &amp; EQUIPMENT</b>								
58	BEML LTD.	0	0	0	11285	0	0	11285
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>11285</b>	<b>0</b>	<b>0</b>	<b>11285</b>
<b>INDUSTRIAL AND CONSUMER GOODS</b>								
59	ANDREW YULE & COMPANY LTD.	0	0	0	2730	0	0	2730
60	HINDUSTAN NEWSPRINT LTD.	0	0	0	15910	0	0	15910
61	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	31212	0	0	31212
62	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	193204	0	0	1120560	0	61506	1375270
63	HINDUSTAN SALTS LTD.	0	0	0	80	0	0	80
64	HLL LIFECARE LTD.	0	0	0	21445	17119	0	38564
65	HOOGHLY PRINTING COMPANY LTD.	0	0	82	538	0	0	620
66	NAGALAND PULP & PAPER COMPANY LTD.	0	0	0	5125	0	0	5125
67	NEPA LTD.	0	0	0	6196	0	0	6196
68	SAMBHAR SALTS LTD.	0	0	0	273	0	0	273
<b>SUB TOTAL :</b>		<b>193204</b>	<b>0</b>	<b>82</b>	<b>1204069</b>	<b>17119</b>	<b>61506</b>	<b>1475980</b>
<b>TEXTILES</b>								
69	BRITISH INDIA CORPORATION LTD.	0	0	0	0	0	10135	10135
70	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	0	0	0	1	0	0	1
71	NATIONAL TEXTILE CORPN. LTD.	66700	0	0	525	0	0	67225
<b>SUB TOTAL :</b>		<b>66700</b>	<b>0</b>	<b>0</b>	<b>526</b>	<b>0</b>	<b>10135</b>	<b>77361</b>
<b>POWER GENERATION</b>								
72	KANTI BIJLEE UTPADAN NIGAM LTD.	0	0	0	11898	0	0	11898
73	NHPC LTD.	0	0	0	0	0	30250	30250
74	NLC INDIA LTD.	0	0	0	13081	0	0	13081

S.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
75	NLC TAMIL NADU POWER LTD.	0	0	52000	57915	0	0	109915
76	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	0	0	0	33275	0	0	33275
77	NTPC LTD.	0	0	0	56	0	300000	300056
78	THDC INDIA LTD.	0	0	0	0	0	38724	38724
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>52000</b>	<b>116225</b>	<b>0</b>	<b>368974</b>	<b>537199</b>
<b>POWER TRANSMISSION</b>								
79	POWER GRID CORPORATION OF INDIA LTD.	0	0	0	0	0	150000	150000
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150000</b>	<b>150000</b>
<b>TRADING &amp; MARKETING</b>								
80	COTTON CORPN. OF INDIA LTD.	0	0	0	278500	0	0	278500
81	FOOD CORPN. OF INDIA	1400000	0	0	3847700	0	489024	5736724
82	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	0	0	0	325	0	0	325
83	KARNATAKA TRADE PROMOTION ORGANISATION	0	0	144	0	0	24	168
84	M M T C LTD.	0	0	0	44018	0	0	44018
85	M S T C LTD.	0	0	0	68835	0	0	68835
86	P E C LTD.	0	0	0	82849	0	0	82849
87	STATE TRADING CORPN. OF INDIA LTD.	0	0	0	151079	0	0	151079
88	STCL LTD.	0	0	0	118526	0	0	118526
89	THE JUTE CORPN. OF INDIA LTD.	0	0	0	46	0	0	46
<b>SUB TOTAL :</b>		<b>1400000</b>	<b>0</b>	<b>144</b>	<b>4591878</b>	<b>0</b>	<b>489048</b>	<b>6481070</b>
<b>TRANSPORT AND LOGISTIC SERVICES</b>								
90	AIR INDIA EXPRESS LTD.	0	0	0	138996	0	0	138996
91	AIR INDIA LTD.	0	0	0	1255453	0	0	1255453
92	AIRLINE ALLIED SERVICES LTD.	0	0	135175	0	0	0	135175
93	FRESH & HEALTHY ENTERPRISES LTD.	0	0	4923	0	0	0	4923
94	GAIL GAS LTD.	0	0	0	948	0	0	948
95	SHIPPING CORPORATION OF INDIA LTD.	0	0	0	97420	0	0	97420
96	TCIL BINA TOLL ROAD LTD.	0	0	0	274	0	0	274
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>140098</b>	<b>1493091</b>	<b>0</b>	<b>0</b>	<b>1633189</b>
<b>CONTRACT &amp; CONSTRUCTION AND TECH. CONSULTANCY SERVICES</b>								
97	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	6796	0	0	475	0	0	7271
98	BRIDGE & ROOF CO.(INDIA) LTD.	0	0	0	12842	0	0	12842
99	IRCON INFRASTRUCTURE & SERVICES LTD.	0	0	458	0	0	0	458

S.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
100	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	0	0	0	0	0	290	290
101	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	0	0	121222	0	100000	221222
102	RAIL VIKAS NIGAM LTD.	0	0	0	0	0	46532	46532
103	TCIL LAKHNADONE TOLL ROAD LTD.	0	0	0	240	0	0	240
<b>SUB TOTAL :</b>		<b>6796</b>	<b>0</b>	<b>458</b>	<b>134779</b>	<b>0</b>	<b>146822</b>	<b>288855</b>
<b>HOTEL AND TOURIST SERVICES</b>								
104	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	0	0	181	0	0	0	181
105	UTKAL ASHOK HOTEL CORPN. LTD.	0	0	500	0	0	0	500
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>681</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>681</b>
<b>FINANCIAL SERVICES</b>								
106	HOUSING & URBAN DEV. CORPN. LTD.	0	0	0	24000	0	150000	174000
107	INDIA INFRASTRUCTURE FINANCE CO. LTD.	0	0	0	89666	0	0	89666
108	INDIA POST PAYMENT BANK LTD	0	0	0	0	0	24	24
109	INDIAN RAILWAY FINANCE CORPORATION LTD.	0	0	0	216	0	576719	576935
110	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	0	0	0	0	0	1	1
111	PFC GREEN ENERGY LTD.	0	0	25269	0	0	0	25269
112	POWER FINANCE CORPORATION LTD.	0	0	0	240079	0	0	240079
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>25269</b>	<b>353961</b>	<b>0</b>	<b>726744</b>	<b>1105974</b>
<b>TELECOMMUNICATION &amp; INFORMATION TECHNOLOGY</b>								
113	BHARAT SANCHAR NIGAM LTD.	0	0	0	59613	0	0	59613
114	MAHANAGAR TELEPHONE NIGAM LTD.	0	0	0	791024	0	0	791024
115	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	0	0	38	0	0	38
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>850675</b>	<b>0</b>	<b>0</b>	<b>850675</b>
<b>ENTERPRISES UNDER CONSTRUCTION</b>								
116	BALLABGARH - GN TRANSMISSION CO. LTD.	0	0	1	0	0	0	1
117	CHEY YUR INFRA LTD.	0	0	3	0	0	0	3
118	CHHATTISGARH EAST RAILWAYS LTD.	0	0	20557	0	0	10919	31476
119	CHHATTISGARH SURGUJA POWER LTD.	0	0	874	0	0	4000	4874
120	COASTAL TAMIL NADU POWER LTD.	0	0	3710	0	0	0	3710
121	FATEHGARH BHADLA TRANSMISSION LTD	0	0	39	0	0	0	39



S.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
122	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	0	0	0	0	0	208	208
123	JAGDISHPUR PAPER MILLS LTD.	0	0	1061	0	0	0	1061
124	KOHIMA-MARIANI TRANSMISSION LTD.	0	0	1297	0	0	0	1297
125	KOLKATA METRO RAIL CORPORATION LTD.	0	0	0	0	0	4098	4098
126	MAHANADI BASIN POWER LTD.	0	0	29	0	0	0	29
127	MJSJ COAL LTD.	0	0	883	0	0	0	883
128	MNH SHAKTI LTD.	0	0	130	0	0	0	130
129	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	0	0	1	0	0	0	1
130	NEYVELI UTTAR PRADESH POWER LTD	0	0	6000	0	0	0	6000
131	ORISSA INTEGRATED POWER LTD.	0	0	4090	0	0	0	4090
132	PUNJAB ASHOK HOTEL COMPANY LTD.	0	0	34	0	0	24	58
133	TANDA TRANSMISSION COMPANY LTD.	0	0	116	0	0	0	116
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>38825</b>	<b>0</b>	<b>0</b>	<b>19249</b>	<b>58074</b>
<b>GRAND TOTAL :</b>		<b>1667676</b>	<b>15</b>	<b>380322</b>	<b>12695064</b>	<b>3805860</b>	<b>4681490</b>	<b>23230427</b>

**STATEMENT - 10**  
**DETAILS OF LONG TERM BORROWINGS(SECURED+UNSECURED)**  
**OF CPSEs AS ON 31.3.2017**

(₹ in Lakhs)

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
<b>AGRO BASED INDUSTRIES</b>								
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	0	0	0	22308	0	9233	31541
2	HPCL.BIOFUELS LTD.	0	0	4732	29068	0	12425	46225
3	NATIONAL SEEDS CORPN. LTD.	0	0	0	65	0	0	65
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>4732</b>	<b>51441</b>	<b>0</b>	<b>21658</b>	<b>77831</b>
<b>COAL</b>								
4	BHARAT COKING COAL LTD.	0	0	0	0	0	201554	201554
5	CENTRAL COALFIELDS LTD.	0	0	0	0	0	120000	120000
6	EASTERN COALFIELDS LTD.	0	0	0	0	0	158431	158431
7	MAHANADI COALFIELDLS LTD.	0	0	0	0	0	613	613
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>480598</b>	<b>480598</b>
<b>CRUDE OIL</b>								
8	BHARAT PETRO RESOURCES LTD.	0	0	204710	0	0	0	204710
9	OIL INDIA LTD.	0	0	0	0	894753	0	894753
10	ONGC VIDESH LTD.	0	0	1635	1136540	2491724	404922	4034821
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>206345</b>	<b>1136540</b>	<b>3386477</b>	<b>404922</b>	<b>5134284</b>
<b>OTHER MINERALS &amp; METALS</b>								
11	HINDUSTAN COPPER LTD.	0	0	0	20498	0	0	20498
12	THE BISRA STONE LIME COMPANY LTD.	0	0	751	0	0	0	751
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>751</b>	<b>20498</b>	<b>0</b>	<b>0</b>	<b>21249</b>
<b>STEEL</b>								
13	MISHRA DHATU NIGAM LTD.	0	0	0	0	0	123	123
14	RASHTRIYA ISPAT NIGAM LTD.	0	0	0	584171	0	0	584171
15	STEEL AUTHORITY OF INDIA LTD.	0	0	0	250000	66394	1592354	1908748
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>834171</b>	<b>66394</b>	<b>1592477</b>	<b>2493042</b>
<b>PETROLEUM (REFINERY &amp; MARKETING)</b>								
16	BHARAT PETROLEUM CORPN. LTD.	0	0	0	200000	986870	190774	1377644
17	CHENNAI PETROLEUM CORPORATION LTD.	0	0	0	32427	0	200000	232427
18	HINDUSTAN PETROLEUM CORPN. LTD.	0	0	0	501940	0	125875	627815
19	INDIAN OIL CORPORATION LTD.	0	0	0	0	1475401	555803	2031204
20	MANGALORE REFINERY & PETROCHEMICALS LTD.	0	0	188569	0	279323	13686	481578
21	NUMALIGARH REFINERY LTD.	0	0	0	33446	0	0	33446
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>188569</b>	<b>767813</b>	<b>2741594</b>	<b>1086138</b>	<b>4784114</b>
<b>FERTILIZERS</b>								

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
22	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	57275	0	0	0	0	0	57275
23	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	177049	0	0	0	0	0	177049
24	HINDUSTAN FERTILIZER CORPN. LTD.	0	0	0	0	0	1176	1176
25	MADRAS FERTILIZERS LTD.	13601	0	0	0	0	0	13601
26	NATIONAL FERTILIZERS LTD.	0	0	0	0	17235	0	17235
27	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	0	0	0	11384	0	0	11384
<b>SUB TOTAL :</b>		<b>247925</b>	<b>0</b>	<b>0</b>	<b>11384</b>	<b>17235</b>	<b>1176</b>	<b>277720</b>
<b>CHEMICALS &amp; PHARMACEUTICALS</b>								
28	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	20302	382	0	0	0	0	20684
29	BRAHMAPUTRA CRACKERS & POLYMER LTD.	0	0	0	165720	0	116430	282150
30	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	292	0	0	2	294
31	HINDUSTAN ANTIBIOTICS LTD.	28696	0	0	0	0	8315	37011
32	HINDUSTAN FLUOROCARBONS LIMITED	672	0	0	0	0	0	672
33	HINDUSTAN INSECTICIDES LTD.	600	0	0	0	0	755	1355
34	HINDUSTAN ORGANIC CHEMICALS LTD.	3445	0	0	0	0	25000	28445
35	HLL BIOTECH LTD.	0	0	0	12393	0	0	12393
36	IDPL (TAMILNADU) LTD.	0	0	4465	0	0	0	4465
37	INDIAN DRUGS & PHARMACEUTICALS LTD.	494607	0	0	0	0	30467	525074
38	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	122	0	0	122
39	ONGC MANGALORE PETROCHEMICALS LTD.	0	0	0	127597	0	249919	377516
40	ORISSA DRUGS & CHEMICALS LTD.	423	0	0	122	0	1101	1646
<b>SUB TOTAL :</b>		<b>548745</b>	<b>382</b>	<b>4757</b>	<b>305954</b>	<b>0</b>	<b>431989</b>	<b>1291827</b>
<b>HEAVY &amp; MEDIUM ENGINEERING</b>								
41	BEL OPTRONICS DEVICES LTD.	0	0	2252	0	0	0	2252
42	BHARAT ELECTRONICS LTD.	0	0	0	1667	0	0	1667
43	BHARAT HEAVY ELECTRICALS LTD.	0	0	0	0	0	8955	8955
44	BHARAT PUMPS & COMPRESSORS LTD.	7944	0	0	0	0	0	7944
45	BHARAT WAGON & ENGG. CO. LTD.	2418	0	0	0	0	0	2418
46	BRAITHWAITE & CO. LTD.	1039	0	0	0	0	0	1039
47	BURN STANDARD COMPANY LTD.	3500	411	0	80	0	0	3991
48	CENTRAL ELECTRONICS LTD.	1514	0	0	0	0	0	1514
49	COCHIN SHIPYARD LTD.	0	0	0	0	0	12300	12300
50	HEAVY ENGINEERING CORPN. LTD.	1916	0	0	0	0	0	1916
51	HINDUSTAN CABLES LTD.	0	0	0	0	0	1479	1479
52	HINDUSTAN SHIPYARD LTD.	37221	0	0	0	0	0	37221
53	HMT BEARINGS LTD.	14162	0	0	0	0	0	14162

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
54	HMT LTD.	33198	0	0	0	0	0	33198
55	HMT MACHINE TOOLS LTD.	10335	0	0	0	0	0	10335
56	HOOGHLY DOCK AND PORT ENGINEERS LTD.	1844	0	0	139	0	0	1983
57	I T I LTD.	30000	0	0	0	0	0	30000
58	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	0	0	10	0	0	10
59	RICHARDSON & CRUDDAS(1972) LTD.	0	0	0	0	0	579	579
60	SCOOTERS INDIA LTD.	1389	0	0	0	0	0	1389
61	TUNGABHADRA STEEL PRODUCTS LTD.	531	0	0	0	0	0	531
<b>SUB TOTAL :</b>		<b>147011</b>	<b>411</b>	<b>2252</b>	<b>1896</b>	<b>0</b>	<b>23313</b>	<b>174883</b>
<b>TRANSPORATATION VEHICLE &amp; EQUIPMENT</b>								
62	BEML LTD.	0	1052	0	0	0	30000	31052
<b>SUB TOTAL :</b>		<b>0</b>	<b>1052</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30000</b>	<b>31052</b>
<b>INDUSTRIAL AND CONSUMER GOODS</b>								
63	ANDREW YULE & COMPANY LTD.	0	0	0	0	0	752	752
64	CEMENT CORPN. OF INDIA LTD.	15090	0	0	0	0	2125	17215
65	HINDUSTAN NEWSPRINT LTD.	0	0	0	890	0	0	890
66	HINDUSTAN PAPER CORPORATION LTD.	26353	0	0	0	0	0	26353
67	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	0	0	0	10787	0	12965	23752
68	HINDUSTAN SALTS LTD.	65	0	0	0	0	0	65
69	HLL LIFECARE LTD.	0	0	0	8870	1410	0	10280
70	NAGALAND PULP & PAPER COMPANY LTD.	0	0	1509	0	0	0	1509
71	NEPA LTD.	3452	0	0	0	0	0	3452
72	SAMBHAR SALTS LTD.	0	0	5368	0	0	0	5368
<b>SUB TOTAL :</b>		<b>44960</b>	<b>0</b>	<b>6877</b>	<b>20547</b>	<b>1410</b>	<b>15842</b>	<b>89636</b>
<b>TEXTILES</b>								
73	BIRDS JUTE & EXPORTS LTD.	2072	0	477	0	0	0	2549
74	BRITISH INDIA CORPORATION LTD.	8555	0	0	0	0	0	8555
75	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	41571	1416	0	0	0	0	42987
<b>SUB TOTAL :</b>		<b>52198</b>	<b>1416</b>	<b>477</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54091</b>
<b>POWER GENERATION</b>								
76	BHARTIYA RAIL BIJLEE CO. LTD.	0	0	0	0	0	447492	447492
77	KANTI BIJLEE UTPADAN NIGAM LTD.	0	0	0	170013	0	64958	234971
78	NHPC LTD.	303229	0	0	350062	0	1071273	1724564
79	NLC INDIA LTD.	0	0	0	100600	43462	360000	504062
80	NLC TAMIL NADU POWER LTD.	0	0	0	0	0	349594	349594
81	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	29117	0	0	38239	38783	453154	559293
82	NTPC LTD.	0	0	0	2784141	2957961	3991826	9733928

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
83	NUCLEAR POWER CORPN. OF INDIA LTD.	455563	0	0	320000	54776	1731420	2561759
84	PATRATU VIDYUT UTPADAN NIGAM LTD.	0	0	825	0	0	2838	3663
85	SJVN LTD.	0	0	0	25568	197379	0	222947
86	THDC INDIA LTD.	0	0	0	122765	0	281420	404185
<b>SUB TOTAL :</b>		<b>787909</b>	<b>0</b>	<b>825</b>	<b>3911388</b>	<b>3292361</b>	<b>8753975</b>	<b>16746458</b>
<b>POWER TRANSMISSION</b>								
87	POWER GRID CORPORATION OF INDIA LTD.	0	0	0	1290200	2951171	6854946	11096317
88	POWER GRID WARORA TRANSMISSION LTD.	0	0	67543	0	0	0	67543
89	POWERGRID NM TRANSMISSION LTD.	0	0	83925	0	0	0	83925
90	POWERGRID UNCHAHAHAR TRANSMISSION LTD.	0	0	5444	0	0	0	5444
91	POWERGRID VIZAG TRANSMISSION LTD.	0	0	72033	0	0	29000	101033
92	REC POWER DISTRIBUTION CO. LTD.	0	0	0	0	0	85	85
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>228945</b>	<b>1290200</b>	<b>2951171</b>	<b>6884031</b>	<b>11354347</b>
<b>TRADING &amp; MARKETING</b>								
93	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	80	0	0	0	0	0	80
94	FOOD CORPN. OF INDIA	0	0	0	0	0	1300000	1300000
95	NATIONAL FILM DEV. CORPN. LTD.	0	0	0	100	0	0	100
96	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	0	0	0	0	0	9857	9857
97	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	1000	0	0	0	0	0	1000
98	NORTH EASTERN REGIONAL AGRI. MARKETING CORPLTD.	2006	0	0	0	0	0	2006
99	STATE TRADING CORPN. OF INDIA LTD.	0	0	0	0	0	14628	14628
<b>SUB TOTAL :</b>		<b>3086</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>1324485</b>	<b>1327671</b>
<b>TRANSPORT AND LOGISTIC SERVICES</b>								
100	AIR INDIA ENGINEERING SERVICES LTD.	0	0	0	0	0	1	1
101	AIR INDIA EXPRESS LTD.	0	0	0	73037	0	9500	82537
102	AIR INDIA LTD.	0	0	0	1480738	0	2106854	3587592
103	AIRPORTS AUTHORITY OF INDIA	0	0	0	0	3978	0	3978
104	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	0	0	2917	0	0	0	2917
105	DREDGING CORPN. OF INDIA LTD.	0	0	0	64136	0	5888	70024
106	GAIL (INDIA) LTD.	0	0	0	156696	0	143759	300455
107	GAIL GAS LTD.	0	0	0	5111	0	11811	16922
108	KAMARAJAR PORT LTD.	0	0	0	0	0	66492	66492
109	PAWAN HANS LTD.	0	0	0	0	0	2498	2498
110	SHIPPING CORPORATION OF INDIA LTD.	0	0	0	307763	0	0	307763
111	TCIL BINA TOLL ROAD LTD.	0	0	6886	5214	0	0	12100
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>9803</b>	<b>2092695</b>	<b>3978</b>	<b>2346803</b>	<b>4453279</b>

S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
<b>CONTRACT &amp; CONSTRUCTION AND TECH. CONSULTANCY SERVICES</b>								
112	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	0	0	0	0	0	665	665
113	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	0	0	0	0	0	4	4
114	IRCON INFRASTRUCTURE & SERVICES LTD.	0	0	1834	0	0	0	1834
115	IRCON PB TOLLWAY LTD.	0	0	8000	0	0	0	8000
116	IRCON SHIVPURI GUNA TOLLWAY LTD.	0	0	16265	0	0	0	16265
117	KONKAN RAILWAY CORPORATION LTD.	0	0	0	0	0	175000	175000
118	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	0	0	0	4927	0	4927
119	POWER SYSTEM OPERATION CORPORATION LTD.	0	81	0	0	0	0	81
120	RAIL VIKAS NIGAM LTD.	0	0	0	0	0	243688	243688
121	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	0	0	0	7576	0	0	7576
122	TCIL LAKHNADONE TOLL ROAD LTD.	0	0	2875	3860	0	0	6735
<b>SUB TOTAL :</b>		<b>0</b>	<b>81</b>	<b>28974</b>	<b>11436</b>	<b>4927</b>	<b>419357</b>	<b>464775</b>
<b>HOTEL AND TOURIST SERVICES</b>								
123	ASSAM ASHOK HOTEL CORPN. LTD.	0	0	0	0	0	361	361
124	INDIA TOURISM DEV. CORPN. LTD.	159	0	0	0	0	0	159
<b>SUB TOTAL :</b>		<b>159</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>361</b>	<b>520</b>
<b>FINANCIAL SERVICES</b>								
125	HOUSING & URBAN DEV. CORPN. LTD.	0	0	0	5122	39962	2450283	2495367
126	INDIA INFRASTRUCTURE FINANCE CO. LTD.	0	0	0	0	1212466	1854898	3067364
127	INDIAN RAILWAY FINANCE CORPORATION LTD.	0	0	0	718000	718277	8234750	9671027
128	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	25418	0	0	227732	505132	504828	1263110
129	POWER FINANCE CORPORATION LTD.	0	0	0	200000	725709	16558427	17484136
130	RURAL ELECTRIFICATION CORPN. LTD.	0	0	0	0	1963002	12985931	14948933
<b>SUB TOTAL :</b>		<b>25418</b>	<b>0</b>	<b>0</b>	<b>1150854</b>	<b>5164548</b>	<b>42589117</b>	<b>48929937</b>
<b>TELECOMMUNICATION &amp; INFORMATION TECHNOLOGY</b>								
131	BHARAT SANCHAR NIGAM LTD.	750000	0	0	312657	0	0	1062657
132	MAHANAGAR TELEPHONE NIGAM LTD.	0	0	0	399298	0	301833	701131
133	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	7200	0	0	0	0	0	7200
<b>SUB TOTAL :</b>		<b>757200</b>	<b>0</b>	<b>0</b>	<b>711955</b>	<b>0</b>	<b>301833</b>	<b>1770988</b>
<b>ENTERPRISES UNDER CONSTRUCTION</b>								
134	BHARAT PETRO RESOURCES JPDA	0	0	3888	0	0	0	3888
135	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	106498	0	0	0	0	0	106498



S. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
136	BIHAR INFRAPOWER LTD.	0	0	2	0	0	0	2
137	BIHAR MEGA POWER LTD.	0	0	0	0	0	4000	4000
138	BUNDELKHAND SAUR URJA LTD.	0	0	263	0	0	1000	1263
139	CHHATTISGARH EAST RAILWAYS LTD.	0	0	12210	0	0	6706	18916
140	CHHATTISGARH EAST-WEST RAILWAYS LTD.	0	0	10656	0	0	6060	16716
141	COASTAL KARNATAKA POWER LTD.	0	0	161	0	0	0	161
142	COASTAL MAHARASHTRA MEGA POWER LTD.	0	0	0	0	0	6159	6159
143	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	614778	0	0	0	0	79768	694546
144	DEOGHAR INFRA LTD.	0	0	14	0	0	0	14
145	DEOGHAR MEGA POWER LTD.	0	0	0	0	0	1300	1300
146	GHOARPALLI INTEGRATED POWER COMPANY LTD.	0	0	0	0	0	1558	1558
147	KOLKATA METRO RAIL CORPORATION LTD.	22846	0	0	0	151577	41	174464
148	MAHANADI BASIN POWER LTD.	0	0	2004	0	0	0	2004
149	ODISHA INFRAPOWER LTD.	0	0	16	0	0	0	16
150	POWER GRID JABALPUR TRANSMISSION LTD.	0	0	20406	0	0	0	20406
151	POWER GRID PARLI TRANSMISSION LTD.	0	0	44539	0	0	0	44539
152	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	0	0	34257	0	0	0	34257
153	POWERGRID KALA AMB TRANSMISSION LTD.	0	0	20458	0	0	0	20458
154	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	0	0	0	6200	0	0	6200
155	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	0	0	0	0	0	1634	1634
156	YULE ELECTRICAL LTD.	0	0	3	0	0	2	5
157	YULE ENGINEERING COMPANY LTD.	0	0	12	0	0	0	12
<b>SUB TOTAL :</b>		<b>744122</b>	<b>0</b>	<b>148889</b>	<b>6200</b>	<b>151577</b>	<b>108228</b>	<b>1159016</b>
<b>GRAND TOTAL :</b>		<b>33,58,733</b>	<b>3,342</b>	<b>8,32,196</b>	<b>1,23,25,072</b>	<b>1,77,81,672</b>	<b>6,68,16,303</b>	<b>10,11,17,318</b>

**STATEMENT - 11**  
**STATE-WISE CPSEs WITH GROSS BLOCK & EMPLOYMENT DURING THE LAST**  
**THREE YEARS**

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
<b>ANDAMAN &amp; NICOBAR ISLANDS</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	4	5	4	5	0	13
2	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	1764	918	1764	918	1762	1054
3	BHARAT SANCHAR NIGAM LTD.	35199	0	35625	226	28833	246
4	CENTRAL WAREHOUSING CORPN.	135	7	131	2	131	2
5	HOUSING & URBAN DEV. CORPN. LTD.	0	2	0	2	0	2
6	I T I LTD.	0	0	0	0	0	1
7	INDIAN OIL CORPORATION LTD.	8883	37	5930	39	7467	38
8	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	5	0	0	0	0	0
9	NBCC (INDIA) LTD.	0	0	1	0	0	0
10	NHPC LTD.	0	1	0	2	14	4
11	NTPC LTD.	5020	2	4992	1	5854	1
12	POWER GRID CORPORATION OF INDIA LTD.	0	1	0	1	0	1
13	RASHTRIYA ISPAT NIGAM LTD.	0	0	0	28	0	0
14	RITES LTD.	0	2	0	0	0	0
15	SHIPPING CORPORATION OF INDIA LTD.	4	8	4	3	85	4
16	SOLAR ENERGY CORPORATION OF INDIA	1	0	0	0	0	0
<b>STATE TOTAL :</b>		<b>51015</b>	<b>983</b>	<b>48451</b>	<b>1227</b>	<b>44146</b>	<b>1366</b>

<b>ANDHRA PRADESH</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	115	18	115	18	0	10
2	AIR INDIA LTD.	0	0	0	0	566099	1066
3	AIRLINE ALLIED SERVICES LTD.	0	58	0	0	0	0
4	AIRPORTS AUTHORITY OF INDIA	0	0	35680	799	24375	722
5	BALMER LAWRIE & CO. LTD.	494	13	3882	27	1268	23
6	BEML LTD.	579	8	0	8	0	9
7	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	0	0	0	0	1	3
8	BHARAT BROADBAND NETWORK LTD.	170	6	152	3	144	4
9	BHARAT DYNAMICS LTD.	4026	77	4993	78	4206	91
10	BHARAT ELECTRONICS LTD.	21782	813	13759	828	29591	835
11	BHARAT HEAVY ELECTRICALS LTD.	15740	1008	14123	1053	20916	1099

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
12	BHARAT PETROLEUM CORPN. LTD.	62740	160	57029	164	78692	165
13	BHARAT SANCHAR NIGAM LTD.	1888341	21253	1895139	22609	1223423	23963
14	BRIDGE & ROOF CO.(INDIA) LTD.	1684	63	1418	98	2474	19
15	CEMENT CORPN. OF INDIA LTD.	0	0	24004	244	23867	267
16	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	28	2	142	2	142	2
17	CENTRAL WAREHOUSING CORPN.	12480	410	10959	225	10705	265
18	COAL INDIA LTD.	0	0	0	0	3	4
19	CONTAINER CORPORATION OF INDIA LTD.	20330	28	10318	21	4018	22
20	COTTON CORPN. OF INDIA LTD.	189	77	185	77	185	83
21	DREDGING CORPN. OF INDIA LTD.	193313	246	205931	322	305029	326
22	E. C. G. C. LTD.	56	7	52	10	205	22
23	ELECTRONICS CORPN. OF INDIA LTD.	9	19	10	18	19	18
24	ENGINEERING PROJECTS (INDIA) LTD.	0	5	14	15	14	18
25	ENGINEERS INDIA LTD.	0	22	0	26	0	36
26	FERRO SCRAP NIGAM LTD.	1030	147	964	151	2342	161
27	FERTILIZER CORPN. OF INDIA LTD.	0	0	0	0	4723	2
28	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	36	7	38	27	38	27
29	FOOD CORPN. OF INDIA	13592	1971	20940	1750	19055	5666
30	GAIL (INDIA) LTD.	133594	141	107835	176	147478	127
31	GAIL GAS LTD.	581	0	559	6	431	0
32	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	13	2	14	2	13	1
33	HINDUSTAN AERONAUTICS LTD.	0	7	0	7	0	0
34	HINDUSTAN ANTIBIOTICS LTD.	3	9	3	4	3	7
35	HINDUSTAN INSECTICIDES LTD.	8	9	6	13	6	11
36	HINDUSTAN PAPER CORPORATION LTD.	18	1	18	1	18	1
37	HINDUSTAN PETROLEUM CORPN. LTD.	909146	1655	846154	1672	1366579	1965
38	HINDUSTAN PREFAB LTD.	0	1	0	6	0	2
39	HINDUSTAN SHIPYARD LTD.	22580	1350	24919	1546	25346	1641
40	HINDUSTAN STEELWORKS COSTN. LTD.	162	4	173	4	320	7
41	HLL LIFECARE LTD.	2	4	2	3	16	4
42	HMT LTD.	0	0	0	0	677	49
43	HMT MACHINE TOOLS LTD.	0	0	0	0	9005	673
44	HOUSING & URBAN DEV. CORPN. LTD.	31	11	26	9	169	5
45	HSCC (INDIA) LTD.	0	1	0	1	0	1
46	I T I LTD.	29	2	25	2	25	15

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
47	INDIA TOURISM DEV. CORPN. LTD.	4	2	1	1	1	0
48	INDIAN OIL CORPORATION LTD.	241389	508	205160	472	297798	491
49	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	53	117	0	78	114	78
50	INSTRUMENTATION LTD.	4	2	0	4	0	5
51	IRCON INFRASTRUCTURE & SERVICES LTD.	147	0	147	0	147	0
52	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	34	0	24	0	32
53	KIOCL LTD.	0	4	0	16	0	20
54	M M T C LTD.	70	46	70	53	483	62
55	M S T C LTD.	3	11	2	22	58	28
56	MADRAS FERTILIZERS LTD.	20	19	23	18	23	21
57	MANGALORE REFINERY & PETROCHEMICALS LTD.	420	0	420	0	626	0
58	MECON LTD.	101	29	97	26	97	24
59	MINERAL EXPLORATION CORPN. LTD.	242	32	195	29	0	0
60	MISHRA DHATU NIGAM LTD.	0	0	0	0	39614	836
61	MOIL LTD.	899	0	8040	0	0	0
62	NATIONAL ALUMINIUM COMPANY LTD.	26007	47	24911	48	36467	47
63	NATIONAL FERTILIZERS LTD.	0	0	0	0	2	0
64	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	16	10	34	5	32	18
65	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	0	0	6	16	0	0
66	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	9	0	15	2	14
67	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	0	0	1	2	1	2
68	NATIONAL SEEDS CORPN. LTD.	0	12	0	0	0	0
69	NATIONAL SMALL INDUSTRIES CORPN. LTD.	3710	6	3588	6	3418	6
70	NATIONAL TEXTILE CORPN. LTD.	188	133	187	142	929	146
71	NBCC (INDIA) LTD.	0	52	1	29	34	41
72	NHPC LTD.	0	2	0	0	0	0
73	NLC INDIA LTD.	0	0	5	4	10	3
74	NMDC Ltd.	198	31	198	34	35501	32
75	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	0	1
76	NTPC LTD.	836021	750	798138	787	936992	784
77	NUMALIGARH REFINERY LTD.	0	0	1	0	2	0
78	OIL & NATURAL GAS CORPORATION LTD.	1041999	1582	395074	1596	884010	1548

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
79	OIL INDIA LTD.	88796	46	25786	51	13006	61
80	P E C LTD.	0	4	0	4	0	3
81	POWER GRID CORPORATION OF INDIA LTD.	1091335	244	936404	203	1023321	329
82	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	49595	0	3625	0	0	0
83	POWERGRID VIZAG TRANSMISSION LTD.	129934	3	108091	3	26983	4
84	PROJECTS & DEVELOPMENT INDIA LTD.	0	0	0	0	2	3
85	RAIL VIKAS NIGAM LTD.	212	55	189	58	0	53
86	RAILTEL CORPORATION INDIA LTD.	44321	8	41521	46	35094	25
87	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	7	0	7	0	9
88	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	15	8	21	19	31	19
89	RASHTRIYA ISPAT NIGAM LTD.	3053402	17404	2810323	17412	2594447	17672
90	REC POWER DISTRIBUTION CO. LTD.	1	1	0	0	0	0
91	rites INFRASTRUCTURE SERVICES LTD.	0	0	71	0	71	0
92	rites LTD.	68	38	0	64	157	54
93	SCOOTERS INDIA LTD.	0	2	0	3	0	3
94	SJVN LTD.	0	9	0	9	0	9
95	STATE TRADING CORPN. OF INDIA LTD.	2038	26	2037	29	2035	29
96	STEEL AUTHORITY OF INDIA LTD.	4779	64	4768	74	7458	102
97	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	8	0	9	0	8
98	THE JUTE CORPN. OF INDIA LTD.	3	4	3	13	3	16
99	URANIUM CORPORATION OF INDIA LTD.	179421	485	206956	465	190454	423
100	WAPCOS LTD.	57	3	85	12	16	4
<b>STATE TOTAL :</b>		<b>10098369</b>	<b>51472</b>	<b>8855760</b>	<b>53933</b>	<b>10001059</b>	<b>62502</b>

#### ARUNACHAL PRADESH

1	BEML LTD.	0	0	0	3	0	0
2	BHARAT PETROLEUM CORPN. LTD.	287	0	287	0	285	0
3	BRIDGE & ROOF CO.(INDIA) LTD.	351	7	356	0	433	0
4	DONYI POLO ASHOK HOTEL LTD.	192	26	192	26	180	26
5	ENGINEERING PROJECTS (INDIA) LTD.	0	1	0	1	0	1
6	FOOD CORPN. OF INDIA	2980	157	2619	138	2446	131
7	HINDUSTAN PETROLEUM CORPN. LTD.	2	0	0	0	0	0

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
8	HINDUSTAN PREFAB LTD.	0	11	0	2	0	3
9	HOUSING & URBAN DEV. CORPN. LTD.	1	2	0	3	0	3
10	HSCC (INDIA) LTD.	0	2	0	2	0	2
11	INDIAN OIL CORPORATION LTD.	15717	33	6689	33	12572	31
12	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	0	0	1
13	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	0	0	3	0	3	0
14	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	16	0	4	16	0	0
15	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	30	2	15	2	17
16	NBCC (INDIA) LTD.	0	0	0	0	0	1
17	NHPC LTD.	699250	401	662947	432	645938	455
18	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	858657	691	735146	739	637065	766
19	OIL & NATURAL GAS CORPORATION LTD.	0	0	0	6627	0	0
20	OIL INDIA LTD.	26506	105	18814	112	23531	113
21	POWER GRID CORPORATION OF INDIA LTD.	69653	91	69653	82	38467	72
22	RAILTEL CORPORATION INDIA LTD.	0	4	0	2	0	2
23	REC POWER DISTRIBUTION CO. LTD.	0	1	0	0	0	0
24	RITES LTD.	0	1	0	3	0	4
25	SJVN LTD.	1257	0	822	0	419	0
26	STEEL AUTHORITY OF INDIA LTD.	0	0	0	1	0	1
<b>STATE TOTAL :</b>		<b>1674869</b>	<b>1563</b>	<b>1497534</b>	<b>8237</b>	<b>1361341</b>	<b>1629</b>

<b>ASSAM</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	14	58	14	58	0	46
2	AIRLINE ALLIED SERVICES LTD.	1	0	1	0	1	0
3	AIRPORTS AUTHORITY OF INDIA	0	0	91512	2503	90630	1512
4	ANDREW YULE & COMPANY LTD.	9270	7545	13291	7597	13018	7659
5	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	3	3	7	3	3	1
6	ASSAM ASHOK HOTEL CORPN. LTD.	509	63	509	63	508	65
7	BEML LTD.	12	26	12	21	12	28
8	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	1	4	1	5	1	5
9	BHARAT PETRO RESOURCES LTD.	904	0	687	0	570	0
10	BHARAT PETROLEUM CORPN. LTD.	14584	30	13157	24	14025	21
11	BHARAT PUMPS & COMPRESSORS LTD.	1	1	1	1	1	2
12	BHARAT SANCHAR NIGAM LTD.	333958	3670	329344	3909	288719	4183



		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
13	BRAHAMPUTRA CRACKERS & POLYMER LTD.	858906	592	873965	579	598918	430
14	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	115050	643	114218	707	114341	829
15	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	0	0	0	18	0	95
16	BRIDGE & ROOF CO.(INDIA) LTD.	164	11	124	17	64	18
17	CEMENT CORPN. OF INDIA LTD.	9036	131	7997	144	7983	162
18	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	0	0	0	3	0	44
19	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	0	1	0	1	0	0
20	CENTRAL WAREHOUSING CORPN.	1859	75	1748	41	1748	60
21	COAL INDIA LTD.	8067	1687	7720	1859	16499	2009
22	CONTAINER CORPORATION OF INDIA LTD.	785	6	475	6	721	5
23	E. C. G. C. LTD.	0	1	0	1	0	1
24	ENGINEERING PROJECTS (INDIA) LTD.	43	17	23	20	24	22
25	ENGINEERS INDIA LTD.	0	40	0	56	0	104
26	FOOD CORPN. OF INDIA	20882	896	16928	800	11561	2829
27	GAIL (INDIA) LTD.	-16992	59	-16972	72	26243	145
28	HINDUSTAN PAPER CORPORATION LTD.	96710	1750	96710	1750	96554	1752
29	HINDUSTAN PETROLEUM CORPN. LTD.	7644	26	6234	27	8949	27
30	HINDUSTAN PREFAB LTD.	0	16	0	7	0	2
31	HINDUSTAN STEELWORKS COSTN. LTD.	10	0	9	0	6	0
32	HOUSING & URBAN DEV. CORPN. LTD.	384	24	351	22	363	21
33	HSCC (INDIA) LTD.	0	4	0	6	1	5
34	I T I LTD.	0	0	0	0	0	6
35	INDIA TOURISM DEV. CORPN. LTD.	0	3	1	1	1	7
36	INDIAN OIL CORPORATION LTD.	563489	4147	514876	4655	881348	4344
37	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	19	26	19	31	18	31
38	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	0	0	29
39	M M T C LTD.	0	3	0	0	0	0
40	M S T C LTD.	1	2	0	0	0	0
41	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	8	7	1	9	1	5
42	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	20	0	0	0	0	0
43	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	220	54	210	60	190	69

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
44	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	0	0	1	1	1	1
45	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	1	1	1	1	1	2
46	NATIONAL SEEDS CORPN. LTD.	0	7	0	6	0	6
47	NATIONAL SMALL INDUSTRIES CORPN. LTD.	201	24	186	26	197	24
48	NATIONAL TEXTILE CORPN. LTD.	46	2	46	1	46	1
49	NBCC (INDIA) LTD.	365	43	310	35	325	39
50	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	181	40	157	43	152	44
51	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	230799	652	223024	692	214499	739
52	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	2	0	2	0	2	0
53	NTPC LTD.	691329	237	637376	270	547520	280
54	NUMALIGARH REFINERY LTD.	284685	823	243535	829	433927	832
55	OIL & NATURAL GAS CORPORATION LTD.	2439754	6496	1357556	0	2137681	6764
56	OIL INDIA LTD.	1134773	6225	902649	6482	1464629	6784
57	POWER FINANCE CORPORATION LTD.	0	0	0	0	0	1
58	POWER GRID CORPORATION OF INDIA LTD.	855127	353	854327	399	904078	426
59	POWER SYSTEM OPERATION CORPORATION LTD.	431	0	0	0	0	0
60	RAIL VIKAS NIGAM LTD.	1	0	0	0	0	0
61	RAILTEL CORPORATION INDIA LTD.	0	9	0	8	0	8
62	REC POWER DISTRIBUTION CO. LTD.	0	1	0	0	0	0
63	RITES LTD.	0	12	0	10	0	14
64	RURAL ELECTRIFICATION CORPN. LTD.	41	8	33	9	31	10
65	SCOOTERS INDIA LTD.	0	0	0	1	0	1
66	SJVN LTD.	0	2	0	2	0	2
67	STEEL AUTHORITY OF INDIA LTD.	1379	24	1270	27	1246	26
68	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	1	1	1	2	0	3
69	THE JUTE CORPN. OF INDIA LTD.	7	59	7	120	7	141
70	WAPCOS LTD.	24	7	14	1	12	1
<b>STATE TOTAL :</b>		<b>7664709</b>	<b>36647</b>	<b>6293668</b>	<b>34041</b>	<b>7877375</b>	<b>42722</b>

#### BIHAR

1	AIR INDIA AIR TRANSPORT SERVICES LTD.	9	7	9	7	0	29
2	BALMER LAWRIE & CO. LTD.	0	1	0	1	0	1

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
3	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	1	1	1	2	1	3
4	BHARAT BROADBAND NETWORK LTD.	6	5	3	1	3	1
5	BHARAT PETROLEUM CORPN. LTD.	40032	124	32208	117	41937	124
6	BHARAT SANCHAR NIGAM LTD.	642534	4863	636390	5248	485750	5483
7	BHARAT WAGON & ENGG. CO. LTD.	2324	597	2320	657	2308	707
8	BHARTIYA RAIL BIJLEE CO. LTD.	689456	173	588259	135	489013	125
9	BIHAR INFRAPOWER LTD.	2	0	0	0	0	0
10	BIHAR MEGA POWER LTD.	476	0	95	0	0	0
11	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	0	0	0	0	2	2
12	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	1189	149	1149	126	1060	333
13	BRIDGE & ROOF CO.(INDIA) LTD.	0	0	0	0	0	78
14	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	6	0	6	0	0	0
15	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	1087	2	768	2	792	0
16	CENTRAL WAREHOUSING CORPN.	3825	90	3560	74	2841	80
17	COAL INDIA LTD.	3	12	3	14	4	13
18	CONTAINER CORPORATION OF INDIA LTD.	144	7	142	6	477	3
19	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	0	11	0	72	0	42
20	DREDGING CORPN. OF INDIA LTD.	0	0	0	5	0	5
21	ENGINEERING PROJECTS (INDIA) LTD.	15	20	1	22	1	19
22	ENGINEERS INDIA LTD.	0	11	0	19	0	10
23	FOOD CORPN. OF INDIA	4913	1072	4472	950	3957	3416
24	GAIL (INDIA) LTD.	0	13	0	6	1874	0
25	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	10	0	10	0	9	0
26	HINDUSTAN ANTIBIOTICS LTD.	3	23	3	7	3	21
27	HINDUSTAN FERTILIZER CORPN. LTD.	17970	1	17970	1	17970	2
28	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	0	0	2
29	HINDUSTAN PETROLEUM CORPN. LTD.	49773	99	44683	89	48684	88
30	HINDUSTAN PREFAB LTD.	0	9	0	3	0	2
31	HINDUSTAN STEELWORKS COSTN. LTD.	322	2	321	1	320	2
32	HOUSING & URBAN DEV. CORPN. LTD.	193	13	185	14	183	17
33	HPCL BIOFUELS LTD.	58335	744	58138	394	75765	394
34	I T I LTD.	0	2	0	2	0	1

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
35	INDIA TOURISM DEV. CORPN. LTD.	565	18	533	21	530	34
36	INDIAN DRUGS & PHARMACEUTICALS LTD.	0	0	0	3	0	0
37	INDIAN OIL CORPORATION LTD.	490529	1805	408939	1705	632083	1682
38	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	1399	101	1319	99	1308	99
39	IRCON INFRASTRUCTURE & SERVICES LTD.	11	0	11	0	10	0
40	IRCON INTERNATIONAL LTD.	266	103	452	105	428	127
41	KANTI BIJLEE UTPADAN NIGAM LTD.	446974	192	396238	187	356318	195
42	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	26	0	35	0	9
43	MECON LTD.	0	13	0	9	0	0
44	NATIONAL FERTILIZERS LTD.	0	0	0	0	23	20
45	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	0	1	0	0	0	0
46	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	0	0	1416	17	891	3
47	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	161	82	156	125	92	217
48	NATIONAL SEEDS CORPN. LTD.	122	41	102	43	100	46
49	NATIONAL SMALL INDUSTRIES CORPN. LTD.	35	6	28	6	25	6
50	NATIONAL TEXTILE CORPN. LTD.	54	15	54	18	57	18
51	NBCC (INDIA) LTD.	214	122	223	73	263	67
52	NHPC LTD.	24	13	36	26	152	40
53	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	143	18	143	18	143	18
54	NTPC LTD.	2810634	1573	2643856	1698	2848149	1767
55	NUMALIGARH REFINERY LTD.	0	0	1	0	1	0
56	OIL & NATURAL GAS CORPORATION LTD.	16573	0	0	0	16573	0
57	OIL INDIA LTD.	892	92	809	97	531	109
58	POWER GRID CORPORATION OF INDIA LTD.	936482	433	907484	437	1021573	468
59	RAIL VIKAS NIGAM LTD.	36	6	34	4	0	11
60	RAILTEL CORPORATION INDIA LTD.	0	11	0	15	0	12
61	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	7	0	4	0	2
62	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	2	6	1	4	5	4
63	RASHTRIYA ISPAT NIGAM LTD.	36	7	37	7	37	8
64	REC POWER DISTRIBUTION CO. LTD.	2	1	2	0	2	1
65	rites LTD.	0	29	0	32	0	29
66	RURAL ELECTRIFICATION CORPN. LTD.	79	15	62	16	50	18

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
67	SCOOTERS INDIA LTD.	0	0	0	1	0	2
68	SJVN LTD.	1848	96	1570	98	1217	98
69	SJVN THERMAL PVT. LTD.	47003	71	44062	62	6073	30
70	STEEL AUTHORITY OF INDIA LTD.	12822	12	12822	12	12822	12
71	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	9	2	9	5	9	7
72	THE JUTE CORPN. OF INDIA LTD.	5	40	5	69	5	80
73	WAPCOS LTD.	9	7	8	3	6	4
<b>STATE TOTAL :</b>		<b>6279557</b>	<b>13015</b>	<b>5811108</b>	<b>13029</b>	<b>6072430</b>	<b>16246</b>

<b>CHANDIGARH</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	4	0	4	0	3
2	AIRPORTS AUTHORITY OF INDIA	0	0	40832	446	40211	450
3	BALMER LAWRIE & CO. LTD.	0	3	0	3	0	3
4	BHARAT BROADBAND NETWORK LTD.	0	3	0	0	0	0
5	BHARAT PETROLEUM CORPN. LTD.	1024	30	858	31	585	33
6	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	118	46	0	0	0	0
7	CENTRAL WAREHOUSING CORPN.	1218	28	988	50	988	55
8	COAL INDIA LTD.	5	14	3	14	20	14
9	E. C. G. C. LTD.	21	4	21	4	20	4
10	GAIL (INDIA) LTD.	29	11	24	11	90	10
11	HINDUSTAN INSECTICIDES LTD.	5	19	0	0	0	0
12	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	0	0	1
13	HINDUSTAN PETROLEUM CORPN. LTD.	2772	51	2429	46	5455	45
14	HMT LTD.	0	0	0	0	0	127
15	HOUSING & URBAN DEV. CORPN. LTD.	212	31	196	27	74	26
16	I T I LTD.	0	10	0	0	0	0
17	INDIAN OIL CORPORATION LTD.	14256	162	10563	171	15748	175
18	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	13	0	13	0	16	0
19	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	399	0	172	0	172	0
20	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	19	0	9	0	3
21	M S T C LTD.	1	1	0	0	0	0
22	MECON LTD.	0	0	0	1	0	1
23	NATIONAL FERTILIZERS LTD.	150	0	0	0	164	47
24	NATIONAL SEEDS CORPN. LTD.	827	16	816	14	808	11

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
25	NATIONAL SMALL INDUSTRIES CORPN. LTD.	13	5	14	5	12	4
26	NBCC (INDIA) LTD.	0	18	0	16	0	12
27	NHPC LTD.	0	20	0	18	0	25
28	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	2	1
29	NTPC LTD.	0	4	0	3	0	0
30	POWER GRID CORPORATION OF INDIA LTD.	102	18	3	16	0	16
31	PUNJAB ASHOK HOTEL COMPANY LTD.	295	0	291	0	280	0
32	RAIL VIKAS NIGAM LTD.	4	0	4	5	0	0
33	RAILTEL CORPORATION INDIA LTD.	0	7	0	3	0	1
34	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	10	0	10	0	8
35	RASHTRIYA ISPAT NIGAM LTD.	0	9	0	8	123	7
36	REC POWER DISTRIBUTION CO. LTD.	0	1	0	0	0	0
37	RITES LTD.	0	0	0	3	0	3
38	SCOOTERS INDIA LTD.	0	1	0	1	0	0
39	SJVN LTD.	0	6	0	6	0	6
40	STEEL AUTHORITY OF INDIA LTD.	117	20	118	22	118	29
41	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	0	0	0	0	5
42	THDC INDIA LTD.	0	0	0	1	0	0
43	WAPCOS LTD.	31	11	24	7	23	7
<b>STATE TOTAL :</b>		<b>21612</b>	<b>582</b>	<b>57369</b>	<b>955</b>	<b>64909</b>	<b>1132</b>

<b>CHHATTISGARH</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	5	0	5	0	5
2	BALMER LAWRIE & CO. LTD.	0	0	0	1	0	1
3	BEML LTD.	317	94	301	95	268	131
4	BHARAT BROADBAND NETWORK LTD.	25	3	20	3	4	3
5	BHARAT PETROLEUM CORPN. LTD.	13800	37	12100	53	16159	53
6	BHARAT SANCHAR NIGAM LTD.	298575	1633	295245	1735	225970	1826
7	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	99	9	0	1	0	0
8	BRIDGE & ROOF CO.(INDIA) LTD.	821	5	820	4	609	4
9	CEMENT CORPN. OF INDIA LTD.	6387	2	6427	1	6427	2
10	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	4033	651	2249	670	3243	655
11	CENTRAL WAREHOUSING CORPN.	5075	76	4077	89	3402	84
12	CHHATTISGARH EAST RAILWAYS LTD.	74095	10	25525	9	0	0



		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
13	CHHATTISGARH EAST-WEST RAILWAYS LTD.	27270	10	0	0	0	0
14	CHHATTISGARH SURGUJA POWER LTD.	0	0	5696	0	5052	0
15	CONTAINER CORPORATION OF INDIA LTD.	5290	7	2850	5	10427	1
16	CREDA HPCL BIOFUEL LTD.	0	0	0	0	800	7
17	ENGINEERING PROJECTS (INDIA) LTD.	9	24	4	28	4	32
18	FERRO SCRAP NIGAM LTD.	1662	206	1453	220	3955	243
19	FERTILIZER CORPN. OF INDIA LTD.	1165	0	1165	0	1165	1
20	FOOD CORPN. OF INDIA	6799	699	6601	650	5782	2427
21	GAIL (INDIA) LTD.	0	1	0	0	0	0
22	HINDUSTAN ANTIBIOTICS LTD.	0	0	0	8	0	0
23	HINDUSTAN PETROLEUM CORPN. LTD.	26743	92	22843	88	28473	91
24	HINDUSTAN PREFAB LTD.	0	14	0	0	0	0
25	HINDUSTAN STEELWORKS COSTN. LTD.	2276	9	2398	26	2423	49
26	HLL LIFECARE LTD.	0	2	94	1	133	0
27	HOUSING & URBAN DEV. CORPN. LTD.	115	13	111	13	109	13
28	HSCC (INDIA) LTD.	0	8	0	7	1	6
29	I T I LTD.	0	15	0	12	0	2
30	INDIAN OIL CORPORATION LTD.	97056	163	80280	156	105722	172
31	INDIAN OIL-CREDA BIOFUELS LTD.	0	1	624	3	622	3
32	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	959	5	0	5	0	5
33	INSTRUMENTATION LTD.	17	2	21	4	21	4
34	IRCON INFRASTRUCTURE & SERVICES LTD.	818	0	819	0	818	0
35	IRCON INTERNATIONAL LTD.	101	56	78	45	29	25
36	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	10	0	11	0	1
37	KIOCL LTD.	0	1	0	4	0	6
38	M S T C LTD.	1	4	0	0	0	0
39	MECON LTD.	744	120	722	127	482	110
40	MINERAL EXPLORATION CORPN. LTD.	3675	343	2697	289	1602	344
41	NATIONAL FERTILIZERS LTD.	0	0	0	0	16	14
42	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1	1	1	1	1	1
43	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	6	9	2	28	9	29
44	NATIONAL SEEDS CORPN. LTD.	0	3	0	3	0	3

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
45	NATIONAL SMALL INDUSTRIES CORPN. LTD.	5	5	5	6	5	5
46	NATIONAL TEXTILE CORPN. LTD.	0	2	0	2	0	2
47	NBCC (INDIA) LTD.	0	9	138	16	322	13
48	NMDC Ltd.	1239164	3630	1042506	3745	885784	3503
49	NMDC-CMDC LTD.	7358	2	6749	2	6732	2
50	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	8	4
51	NTPC LTD.	2530573	2493	2255079	2526	2464511	2648
52	OIL INDIA LTD.	0	1	0	1	0	1
53	POWER GRID CORPORATION OF INDIA LTD.	1224006	285	1084707	312	1249416	318
54	RAIL VIKAS NIGAM LTD.	153	32	132	30	0	26
55	RAILTEL CORPORATION INDIA LTD.	0	5	0	6	0	3
56	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	6	2	6	4	10	4
57	RASHTRIYA ISPAT NIGAM LTD.	0	0	0	0	0	1
58	REC POWER DISTRIBUTION CO. LTD.	1	2	1	0	0	0
59	BITES LTD.	79	117	34	115	33	76
60	RURAL ELECTRIFICATION CORPN. LTD.	0	3	0	4	0	3
61	SCOOTERS INDIA LTD.	0	1	0	0	0	0
62	SJVN LTD.	0	3	0	3	0	3
63	SOUTH EASTERN COALFIELDS LTD.	677871	45989	541223	40194	859888	42050
64	STEEL AUTHORITY OF INDIA LTD.	2682177	24528	2492352	25984	2325549	27282
65	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	42	7	340	9	411	17
66	WAPCOS LTD.	21	5	15	5	11	5
<b>STATE TOTAL :</b>		<b>8939390</b>	<b>81464</b>	<b>7898510</b>	<b>77364</b>	<b>8216408</b>	<b>82319</b>

<b>DADRA NAGARHAVLI</b>							
1	BALMER LAWRIE & CO. LTD.	4690	32	6485	35	6167	35
2	BRIDGE & ROOF CO.(INDIA) LTD.	0	0	0	0	88	0
3	GAIL (INDIA) LTD.	0	4	0	3	0	2
4	HINDUSTAN PETROLEUM CORPN. LTD.	9135	0	6641	0	8749	0
5	INDIAN OIL CORPORATION LTD.	2761	32	2598	33	3647	5
6	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	4	0	4	0	4
7	POWER GRID CORPORATION OF INDIA LTD.	18870	9	18870	10	19152	14
8	BITES LTD.	0	0	0	3	0	0
<b>STATE TOTAL :</b>		<b>35456</b>	<b>81</b>	<b>34594</b>	<b>88</b>	<b>37803</b>	<b>60</b>

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
<b>DAMAN AND DIU</b>							
1	BHARAT PETROLEUM CORPN. LTD.	16	0	16	0	32	0
2	BHARAT PUMPS & COMPRESSORS LTD.	0	6	0	0	0	0
3	CENTRAL WAREHOUSING CORPN.	0	0	0	6	0	6
4	HINDUSTAN PETROLEUM CORPN. LTD.	654	0	560	0	0	0
5	INDIAN OIL CORPORATION LTD.	52	4	45	5	57	27
6	POWER GRID CORPORATION OF INDIA LTD.	23723	12	23723	10	23011	10
<b>STATE TOTAL :</b>		<b>24445</b>	<b>22</b>	<b>24344</b>	<b>21</b>	<b>23100</b>	<b>43</b>

<b>DELHI</b>							
1	AGRINNOVATE INDIA LTD.	114	2	68	5	111	8
2	AIR INDIA AIR TRANSPORT SERVICES LTD.	52	14	52	14	0	355
3	AIR INDIA ENGINEERING SERVICES LTD.	27007	4440	27007	4440	45743	4000
4	AIR INDIA EXPRESS LTD.	51	95	491518	86	0	58
5	AIR INDIA LTD.	2862794	11827	4047168	12826	1606258	4045
6	AIRLINE ALLIED SERVICES LTD.	155	382	236	454	222	564
7	AIRPORTS AUTHORITY OF INDIA	0	0	416072	0	401752	4849
8	ANDREW YULE & COMPANY LTD.	13	8	19	8	18	6
9	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	4	4	3	5	2	5
10	BALMER LAWRIE & CO. LTD.	386	67	602	64	595	74
11	BEML LTD.	821	53	819	58	813	65
12	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	2	5	2	5	2	6
13	BHARAT BROADBAND NETWORK LTD.	1500	32	1352	34	1266	32
14	BHARAT DYNAMICS LTD.	2657	7	2232	6	0	5
15	BHARAT HEAVY ELECTRICALS LTD.	13345	804	12142	895	67180	1379
16	BHARAT PETRO RESOURCES LTD.	1	0	0	0	0	0
17	BHARAT PETROLEUM CORPN. LTD.	19804	230	17135	229	29305	258
18	BHARAT PUMPS & COMPRESSORS LTD.	1	0	1	6	1	7
19	BHARAT SANCHAR NIGAM LTD.	1169169	1460	6917	1487	1546412	1445
20	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	318	39	306	41	301	27
21	BRIDGE & ROOF CO.(INDIA) LTD.	337	13	454	11	189	0
22	BROADCAST ENGG. CONSULTANTS INDIA LTD.	3	54	2	0	2	0
23	CEMENT CORPN. OF INDIA LTD.	5353	81	5360	85	5140	91

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
24	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	1827	219	1810	226	1787	233
25	CENTRAL ELECTRONICS LTD.	0	3	0	1	0	2
26	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	1490	24	1493	31	1142	19
27	CENTRAL WAREHOUSING CORPN.	18432	236	18064	575	17629	606
28	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	2	6	2	6	3	6
29	CHENNAI PETROLEUM CORPORATION LTD.	44	0	68	4	68	4
30	CHHATTISHGARH SURGUJA POWER LTD.	6	0	0	0	0	0
31	COAL INDIA LTD.	823	103	780	105	1190	93
32	CONTAINER CORPORATION OF INDIA LTD.	32140	504	28570	482	50007	457
33	COTTON CORPN. OF INDIA LTD.	26	14	24	12	28	10
34	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	136749	261	106749	209	81126	207
35	DINGCHANG TRANSMISSION LTD.	88	0	52	0	0	0
36	DREDGING CORPN. OF INDIA LTD.	0	7	0	3	46	3
37	E. C. G. C. LTD.	6450	54	5648	64	4355	60
38	EdCIL(India) Ltd.	0	0	0	0	1058	78
39	ELECTRONICS CORPN. OF INDIA LTD.	771	96	790	110	1246	124
40	ENGINEERING PROJECTS (INDIA) LTD.	1295	127	1249	142	1249	155
41	ENGINEERS INDIA LTD.	8844	1176	8740	1254	13706	1193
42	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	21	1	36	2	17	3
43	FERRO SCRAP NIGAM LTD.	0	1	0	1	16	1
44	FERTILIZER CORPN. OF INDIA LTD.	202	1	200	2	199	2
45	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	7	7	7	0	7	7
46	FOOD CORPN. OF INDIA	11620	1158	10701	846	11773	2690
47	FRESH & HEALTHY ENTERPRISES LTD.	0	21	0	6	0	0
48	GAIL (INDIA) LTD.	4451	429	5257	405	10955	420
49	GHATAMPUR TRANSMISSION LTD.	125	0	0	0	0	0
50	GOA SHIPYARD LTD.	35	2	34	7	104	5
51	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	18232	11	328	10	320	14
52	HEAVY ENGINEERING CORPN. LTD.	0	12	0	11	0	11
53	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	0	0	0	0	272	0
54	HINDUSTAN AERONAUTICS LTD.	510	42	501	42	493	28
55	HINDUSTAN ANTIBIOTICS LTD.	13	12	13	3	13	13

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
56	HINDUSTAN CABLES LTD.	0	0	0	6	0	0
57	HINDUSTAN COPPER LTD.	82	17	90	19	167	18
58	HINDUSTAN FERTILIZER CORPN. LTD.	16	3	15	3	14	3
59	HINDUSTAN INSECTICIDES LTD.	847	69	733	72	637	78
60	HINDUSTAN PAPER CORPORATION LTD.	250	25	250	25	246	11
61	HINDUSTAN PETROLEUM CORPN. LTD.	37575	480	43500	478	144837	490
62	HINDUSTAN PREFAB LTD.	794	27	786	188	295	236
63	HINDUSTAN SHIPYARD LTD.	0	2	0	2	0	2
64	HINDUSTAN STEELWORKS COSTN. LTD.	375	2	373	1	363	1
65	HLL INFRA TECH SERVICES LTD.	3	0	0	0	0	0
66	HLL LIFECARE LTD.	0	40	93	123	0	100
67	HMT (INTERNATIONAL) LTD.	100	0	100	0	1	1
68	HOTEL CORPN. OF INDIA LTD.	5570	512	5441	458	5435	595
69	HOUSING & URBAN DEV. CORPN. LTD.	10501	447	10079	419	10080	435
70	HSCC (INDIA) LTD.	0	17	0	18	0	21
71	I T I LTD.	105	97	101	121	135	11
72	IIFCL ASSET MANAGEMENT COMPANY LTD.	11	6	10	6	0	0
73	IIFCL PROJECTS LTD.	30	15	26	13	0	0
74	INDIA INFRASTRUCTURE FINANCE CO. LTD.	15530	93	9803	88	554	79
75	INDIA POST PAYMENT BANK LTD	497	3	0	0	0	0
76	INDIA TOURISM DEV. CORPN. LTD.	16049	1062	14147	1232	13428	1328
77	INDIA TRADE PROMOTION ORGANISATION	4467	758	5128	806	11054	846
78	INDIAN DRUGS & PHARMACEUTICALS LTD.	0	0	6	2	0	0
79	INDIAN OIL CORPORATION LTD.	120702	2419	167077	1944	192659	2362
80	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	24220	417	20786	515	19430	515
81	INDIAN RAILWAY FINANCE CORPORATION LTD.	1748	18	1740	18	1733	19
82	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	1116	14	506	14	290	13
83	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	6151	148	6199	132	6844	121
84	INSTRUMENTATION LTD.	91	13	90	14	105	18
85	IRCON INFRASTRUCTURE & SERVICES LTD.	10	9	7	0	5	0
86	IRCON INTERNATIONAL LTD.	12049	418	11157	467	11828	475
87	IRCON PB TOLLWAY LTD.	1	0	1	4	0	0

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
88	IRCON SHIVPURI GUNA TOLLWAY LTD.	1	0	0	0	0	0
89	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	10	0	9	0	7
90	KIOCL LTD.	0	5	0	5	0	6
91	KOHIMA-MARIANI TRANSMISSION LTD.	0	0	24	0	0	0
92	KONKAN RAILWAY CORPORATION LTD.	0	7	0	3	0	4
93	KUMARAKRUPPA FRONTIER HOTELS LTD.	0	3	2	3	1	3
94	M M T C LTD.	1237	560	1098	592	4043	628
95	M S T C LTD.	42	35	98	43	107	38
96	MADRAS FERTILIZERS LTD.	3	1	0	0	10	1
97	MAHANAGAR TELEPHONE NIGAM LTD.	1477641	13153	1455476	14877	1431905	16737
98	MANGALORE REFINERY & PETROCHEMICALS LTD.	35	29	46	32	282	24
99	MAZAGON DOCK SHIPBUILDERS LTD.	1102	5	687	4	132	5
100	MECON LTD.	3490	123	2237	109	2132	104
101	MINERAL EXPLORATION CORPN. LTD.	69	4	34	4	0	4
102	MISHRA DHATU NIGAM LTD.	6	4	6	0	0	0
103	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	0	0	0	0	39	0
104	MOIL LTD.	43	4	56	5	55	6
105	MUMBAI RAILWAY VIKAS CORPORATION LTD.	0	3	0	3	0	1
106	NATIONAL ALUMINIUM COMPANY LTD.	1390	32	1178	34	1375	36
107	NATIONAL BACKWARD CLASSES FINANCE & DEV.PCO.	258	43	237	44	239	42
108	NATIONAL FERTILIZERS LTD.	111	0	207	0	207	0
109	NATIONAL FILM DEV. CORPN. LTD.	291	10	215	11	89	11
110	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	1689	36	0	0	0	0
111	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	0	9	5	6	5	4
112	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	364872	0	158048	74	54	30
113	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	1006	33	1001	33	1002	33
114	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	25	26	13	39	410	46
115	NATIONAL RESEARCH DEVELOPMENT CORPN.	234	67	226	72	249	77



		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
116	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	112	23	104	20	92	21
117	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	846	69	825	69	853	65
118	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	653	46	650	46	619	44
119	NATIONAL SEEDS CORPN. LTD.	1028	176	984	182	934	200
120	NATIONAL SMALL INDUSTRIES CORPN. LTD.	10927	273	9627	293	7715	296
121	NATIONAL TEXTILE CORPN. LTD.	453	152	451	138	159	135
122	NBCC (INDIA) LTD.	5689	744	2768	739	2911	712
123	NBCC ENGINEERING AND CONSULTANCY LTD.	1	24	0	24	0	0
124	NBCC SERVICES LTD.	5	84	2	90	0	0
125	NEPA LTD.	44	2	0	2	0	2
126	NLC INDIA LTD.	3030	33	1694	34	454	34
127	NMDC Ltd.	270	13	270	11	257	12
128	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	30	6	25	6	20	7
129	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	1071	25	1081	25	1076	28
130	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	0	1	0	1	0	1
131	NTPC LTD.	69079	924	61348	1171	76456	1249
132	NTPC VIDYUT VYAPAR NIGAM LTD.	34	43	38	45	79	49
133	NUMALIGARH REFINERY LTD.	97	5	74	5	49	5
134	OIL & NATURAL GAS CORPORATION LTD.	141885	1597	49383	1580	133040	1565
135	OIL INDIA LTD.	1244	32	1245	32	3039	34
136	ONGC VIDESH LTD.	60260	340	21486	339	20547	238
137	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	312	3	324	2	0	0
138	P E C LTD.	615	100	649	119	636	130
139	PAWAN HANS LTD.	11048	125	94024	194	34955	199
140	PFC CAPITAL ADVISORY SERVICE LTD.	2	0	3	3	4	7
141	PFC CONSULTING LTD.	511	0	152	0	118	0
142	PFC GREEN ENERGY LTD.	5	0	6	16	8	17
143	POWER FINANCE CORPORATION LTD.	11389	491	11249	460	11134	442
144	POWER GRID CORPORATION OF INDIA LTD.	246178	334	193182	315	128625	314
145	POWER GRID JABALPUR TRANSMISSION LTD.	0	0	0	0	1830	0
146	POWER GRID WARORA TRANSMISSION LTD.	0	0	2957	0	0	0

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
147	POWER SYSTEM OPERATION CORPORATION LTD.	6624	160	6353	162	17493	162
148	POWERGRID UNCHAHAR TRANSMISSION LTD.	0	0	0	0	299	0
149	PRIZE PETROLEUM COMPANY LTD.	7	19	9	21	187	22
150	RAIL VIKAS NIGAM LTD.	2405	117	1942	90	3665	94
151	RAILTEL CORPORATION INDIA LTD.	33717	63	33847	69	31810	53
152	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	31	0	31	0	32	0
153	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	0	6	0	5	3	5
154	RASHTRIYA ISPAT NIGAM LTD.	2665	42	2662	39	2616	40
155	REC POWER DISTRIBUTION CO. LTD.	454	8	179	0	69	3
156	REC TRANSMISSION PROJECTS CO. LTD.	28	0	14	0	10	0
157	RITES LTD.	1471	143	716	72	543	55
158	RURAL ELECTRIFICATION CORPN. LTD.	3635	329	3592	336	3246	337
159	SCOOTERS INDIA LTD.	0	5	0	8	0	10
160	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	1708	67	1682	69	5434	66
161	SHIPPING CORPORATION OF INDIA LTD.	5	12	5	12	100	11
162	SJVN LTD.	0	36	0	36	0	38
163	SOLAR ENERGY CORPORATION OF INDIA	306	71	241	62	212	36
164	SOUTH-CENTRAL EAST DELHI POWER TRANSMISSION LTD.	0	0	7	0	5	0
165	STATE TRADING CORPN. OF INDIA LTD.	79079	373	80009	366	79891	384
166	STEEL AUTHORITY OF INDIA LTD.	16043	635	17131	723	16908	785
167	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	4394	431	4390	445	3619	420
168	URANIUM CORPORATION OF INDIA LTD.	0	0	0	0	56	0
169	WAPCOS LTD.	585	165	453	150	352	113
<b>STATE TOTAL :</b>		<b>7180500</b>	<b>53824</b>	<b>7747585</b>	<b>57134</b>	<b>6358757</b>	<b>57788</b>

<b>GOA</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	108	13	108	13	0	77
2	AIR INDIA LTD.	0	0	0	0	0	13
3	BALMER LAWRIE & CO. LTD.	0	0	0	0	0	1
4	BEML LTD.	19	2	19	2	19	2
5	BHARAT PETROLEUM CORPN. LTD.	9102	48	8455	47	12954	50
6	BRIDGE & ROOF CO.(INDIA) LTD.	0	0	0	1	0	0

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
7	CENTRAL WAREHOUSING CORPN.	542	34	534	18	534	20
8	CONTAINER CORPORATION OF INDIA LTD.	173	2	14	1	22	1
9	DREDGING CORPN. OF INDIA LTD.	0	8	0	1	0	1
10	ENGINEERS INDIA LTD.	0	2	0	0	0	0
11	GAIL (INDIA) LTD.	0	8	0	7	0	3
12	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	1049	186	988	194	942	196
13	GOA SHIPYARD LTD.	94107	1383	81069	1592	30143	1558
14	HINDUSTAN ANTIBIOTICS LTD.	0	0	0	1	0	0
15	HINDUSTAN PETROLEUM CORPN. LTD.	5673	61	4958	65	11236	66
16	HOUSING & URBAN DEV. CORPN. LTD.	0	2	0	3	0	3
17	I T I LTD.	0	0	0	0	0	5
18	INDIA TOURISM DEV. CORPN. LTD.	3	1	3	1	3	2
19	INDIAN OIL CORPORATION LTD.	12317	75	11204	83	8989	79
20	IRCON INTERNATIONAL LTD.	0	0	0	0	0	2
21	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	0	0	14
22	KONKAN RAILWAY CORPORATION LTD.	74199	1290	73013	1278	70411	1253
23	M M T C LTD.	0	17	0	19	1295	23
24	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	2	0	4	0	2
25	NBCC (INDIA) LTD.	0	1	0	0	0	0
26	OIL & NATURAL GAS CORPORATION LTD.	5000	58	1573	67	4790	71
27	OIL INDIA LTD.	0	0	0	0	0	1
28	POWER GRID CORPORATION OF INDIA LTD.	9203	17	9203	15	18904	18
29	RAILTEL CORPORATION INDIA LTD.	0	1	0	0	0	0
30	REC POWER DISTRIBUTION CO. LTD.	16	1	16	0	3	2
31	RITES LTD.	0	8	0	6	0	9
32	STEEL AUTHORITY OF INDIA LTD.	0	1	0	1	0	1
<b>STATE TOTAL :</b>		<b>211511</b>	<b>3221</b>	<b>191157</b>	<b>3419</b>	<b>160245</b>	<b>3473</b>

#### GUJRAT

1	AIR INDIA AIR TRANSPORT SERVICES LTD.	480	20	480	20	0	137
2	AIR INDIA EXPRESS LTD.	1	0	0	0	0	0
3	AIR INDIA LTD.	0	0	0	0	116723	34
4	BALMER LAWRIE & CO. LTD.	67	7	105	9	107	8
5	BEML LTD.	24	13	23	15	23	16

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
6	BHARAT BROADBAND NETWORK LTD.	27	4	21	5	17	5
7	BHARAT PETRO RESOURCES LTD.	7986	0	2671	0	1470	0
8	BHARAT PETROLEUM CORPN. LTD.	81803	291	66065	298	93252	311
9	BHARAT PUMPS & COMPRESSORS LTD.	1	3	1	4	1	3
10	BHARAT SANCHAR NIGAM LTD.	1066928	14622	1071962	15836	861212	16903
11	BRIDGE & ROOF CO.(INDIA) LTD.	2430	77	1813	74	2515	9
12	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	1887	0	1876	0	2082	0
13	CENTRAL WAREHOUSING CORPN.	16471	163	16406	180	16350	205
14	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	4	10	3	10	6	10
15	COAL INDIA LTD.	1	6	1	6	4	6
16	CONTAINER CORPORATION OF INDIA LTD.	35230	83	19972	65	31432	74
17	COTTON CORPN. OF INDIA LTD.	511	98	505	97	500	107
18	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	76059	88	67709	86	44971	78
19	DREDGING CORPN. OF INDIA LTD.	0	15	0	3	0	3
20	E. C. G. C. LTD.	329	26	287	32	285	32
21	ELECTRONICS CORPN. OF INDIA LTD.	2	2	3	2	1	4
22	ENGINEERING PROJECTS (INDIA) LTD.	0	0	0	0	0	2
23	ENGINEERS INDIA LTD.	3128	91	518	143	885	161
24	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	1	0	1	0	1	0
25	FOOD CORPN. OF INDIA	5981	521	6272	500	5940	1096
26	GAIL (INDIA) LTD.	141652	515	118374	526	260139	535
27	GAIL GAS LTD.	6	0	0	5	0	0
28	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	0	0	0	0	0	1
29	HINDUSTAN ANTIBIOTICS LTD.	2	3	2	3	2	3
30	HINDUSTAN COPPER LTD.	15764	36	14701	13	0	0
31	HINDUSTAN INSECTICIDES LTD.	4	6	3	7	2	8
32	HINDUSTAN PETROLEUM CORPN. LTD.	112114	373	104713	353	160851	359
33	HINDUSTAN SALTS LTD.	1190	39	1066	46	1010	168
34	HINDUSTAN STEELWORKS COSTN. LTD.	0	0	0	1	0	0
35	HLL LIFECARE LTD.	0	0	1	0	0	0
36	HOUSING & URBAN DEV. CORPN. LTD.	1835	17	1625	19	1391	20
37	I T I LTD.	0	9	0	8	0	2
38	INDIAN CATALYST PVT. LTD.	647	0	647	0	1490	0
39	INDIAN OIL CORPORATION LTD.	1313577	3738	1141781	3621	1955816	3597

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
40	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	65	3	65	65	64	65
41	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	330	0	1	0	0	0
42	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	1	1	1	1	0	1
43	INSTRUMENTATION LTD.	0	0	0	0	9	1
44	IRCON INFRASTRUCTURE & SERVICES LTD.	201	2	1	0	0	0
45	IRCON INTERNATIONAL LTD.	105	21	22	16	60	0
46	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	15	0	15	0	9
47	M M T C LTD.	18	21	15	24	132	26
48	M S T C LTD.	15	15	14	18	43	17
49	MADRAS FERTILIZERS LTD.	0	0	0	0	2	0
50	MECON LTD.	0	15	0	10	0	7
51	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1	1	0	1	0	2
52	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	2	0	1	0	1
53	NATIONAL SEEDS CORPN. LTD.	0	8	0	18	0	15
54	NATIONAL SMALL INDUSTRIES CORPN. LTD.	676	30	659	32	569	30
55	NATIONAL TEXTILE CORPN. LTD.	10365	485	10305	41	15198	36
56	NBCC (INDIA) LTD.	8	28	170	70	171	96
57	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	24	0	12	0	0	0
58	NTPC LTD.	214465	369	194015	414	546544	439
59	NUCLEAR POWER CORPN. OF INDIA LTD.	1020400	1353	853697	1352	776126	1363
60	OIL & NATURAL GAS CORPORATION LTD.	3377628	10910	1779923	10856	3294477	10232
61	OIL INDIA LTD.	17237	4	9816	3	10769	3
62	P E C LTD.	0	7	0	7	0	8
63	POWER GRID CORPORATION OF INDIA LTD.	611604	328	489190	315	524213	299
64	PRIZE PETROLEUM COMPANY LTD.	1727	1	1727	1	1990	1
65	PROJECTS & DEVELOPMENT INDIA LTD.	1172	84	1152	93	1145	96
66	RAIL VIKAS NIGAM LTD.	5	14	0	7	0	5
67	RAILTEL CORPORATION INDIA LTD.	0	22	0	16	0	25
68	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	17	0	15	0	15
69	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	7	6	7	9	13	9
70	RASHTRIYA ISPAT NIGAM LTD.	191	9	85	8	85	8

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
71	RITES INFRASTRUCTURE SERVICES LTD.	0	0	24	0	24	0
72	RITES LTD.	28	79	26	70	23	39
73	RURAL ELECTRIFICATION CORPN. LTD.	209	4	206	4	203	4
74	SCOOTERS INDIA LTD.	0	1	0	3	0	3
75	SJVN LTD.	3394	2	660	3	521	2
76	STATE TRADING CORPN. OF INDIA LTD.	612	27	612	29	611	39
77	STEEL AUTHORITY OF INDIA LTD.	1875	95	1809	114	1807	129
78	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	2	0	1	0	0
79	THDC INDIA LTD.	74428	2	3052	1	0	0
80	WAPCOS LTD.	182	64	176	50	136	32
<b>STATE TOTAL :</b>		<b>8223115</b>	<b>34923</b>	<b>5987049</b>	<b>35670</b>	<b>8733413</b>	<b>36954</b>

<b>HARYANA</b>							
1	BALLABGARH - GN TRANSMISSION CO. LTD.	0	0	70	0	62	0
2	BALMER LAWRIE & CO. LTD.	4523	25	2371	24	2442	13
3	BHARAT BROADBAND NETWORK LTD.	12	2	10	4	11	4
4	BHARAT ELECTRONICS LTD.	2473	511	1849	542	8896	540
5	BHARAT PETROLEUM CORPN. LTD.	52140	268	47261	272	69412	277
6	BHARAT SANCHAR NIGAM LTD.	583924	4076	576562	4367	345530	4671
7	BRIDGE & ROOF CO.(INDIA) LTD.	7	0	6	0	90	3
8	CEMENT CORPN. OF INDIA LTD.	997	2	997	1	999	1
9	CENTRAL WAREHOUSING CORPN.	7405	110	7282	183	7277	210
10	CONTAINER CORPORATION OF INDIA LTD.	3147	10	1852	9	2511	16
11	COTTON CORPN. OF INDIA LTD.	340	22	339	35	339	40
12	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	5073	3	5073	23	0	24
13	DREDGING CORPN. OF INDIA LTD.	0	0	0	4	0	4
14	E. C. G. C. LTD.	103	14	78	8	101	10
15	ELECTRONICS CORPN. OF INDIA LTD.	0	0	0	0	1	0
16	ENGINEERS INDIA LTD.	15256	1001	13093	865	20362	857
17	FOOD CORPN. OF INDIA	10751	1535	10191	1498	9193	4085
18	FRESH & HEALTHY ENTERPRISES LTD.	7990	2	8061	18	8160	19
19	GAIL (INDIA) LTD.	38648	50	36910	46	42746	47
20	GAIL GAS LTD.	0	0	9471	7	8617	9
21	HINDUSTAN ANTIBIOTICS LTD.	0	0	0	1	0	0
22	HINDUSTAN INSECTICIDES LTD.	244	3	232	11	232	13



		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
23	HINDUSTAN PETROLEUM CORPN. LTD.	167278	133	153505	128	134220	130
24	HLL LIFECARE LTD.	1	8	174	9	308	9
25	HMT LTD.	10292	150	11594	1043	10980	1099
26	HMT MACHINE TOOLS LTD.	4624	297	4678	324	4671	382
27	HSCC (INDIA) LTD.	0	12	0	8	0	4
28	I T I LTD.	0	0	0	0	0	2
29	INDIAN DRUGS & PHARMACEUTICALS LTD.	2095	7	7809	7	14061	70
30	INDIAN OIL CORPORATION LTD.	2132294	3305	1970529	3267	3231426	3252
31	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	1537	0	632	0	0	0
32	INDIAN VACCINE CORP. LTD.	1088	2	1050	2	1276	3
33	INSTRUMENTATION LTD.	0	0	14	1	1	1
34	IRCON INTERNATIONAL LTD.	1	3	48	4	530	4
35	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	12	0	0
36	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	0	0	48	0	0	0
37	NATIONAL FERTILIZERS LTD.	120518	568	134613	592	159392	664
38	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	0	0	151	33	137	32
39	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	241	13	241	13	238	19
40	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	3658	175	1616	177	1350	180
41	NATIONAL SEEDS CORPN. LTD.	2122	188	1996	193	1764	203
42	NATIONAL SMALL INDUSTRIES CORPN. LTD.	48	34	42	34	40	30
43	NBCC (INDIA) LTD.	0	47	741	93	1	94
44	NHPC LTD.	26487	1611	25913	1619	35073	1633
45	NTPC LTD.	55731	114	54220	123	121475	140
46	NUMALIGARH REFINERY LTD.	0	0	4	0	5	0
47	OIL INDIA LTD.	0	10	0	6	0	7
48	POWER GRID CORPORATION OF INDIA LTD.	769636	1459	679288	1302	634946	1312
49	RAIL VIKAS NIGAM LTD.	7	0	3	7	0	3
50	RAILTEL CORPORATION INDIA LTD.	13348	107	7900	68	7876	101
51	RAILTEL ENTERPRISES LTD.	0	2	0	2	0	0
52	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	2	0	0	0	0	1
53	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	1	4	0	0	2	4
54	RASHTRIYA ISPAT NIGAM LTD.	92	14	92	14	92	12
55	REC POWER DISTRIBUTION CO. LTD.	2	0	0	0	0	0

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
56	BITES INFRASTRUCTURE SERVICES LTD.	0	0	71	0	71	0
57	BITES LTD.	35360	983	37740	1076	35607	1114
58	RURAL ELECTRIFICATION CORPN. LTD.	14259	22	11414	23	4517	23
59	SJVN LTD.	0	46	0	45	0	48
60	STEEL AUTHORITY OF INDIA LTD.	3085	37	3093	43	3090	42
61	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	4	0	4	5	0	0
62	THDC INDIA LTD.	0	1	0	0	0	0
63	WAPCOS LTD.	2095	353	1902	358	1672	316
<b>STATE TOTAL :</b>		<b>4098939</b>	<b>17339</b>	<b>3832833</b>	<b>18549</b>	<b>4931802</b>	<b>21777</b>

<b>HIMACHAL PRADESH</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	0	0	0	0	1
2	BALMER LAWRIE & CO. LTD.	0	0	0	0	0	1
3	BHARAT BROADBAND NETWORK LTD.	5	0	3	1	3	1
4	BHARAT PETROLEUM CORPN. LTD.	13	3	13	3	25	3
5	BHARAT SANCHAR NIGAM LTD.	212132	2816	211733	2951	203179	3048
6	BRIDGE & ROOF CO.(INDIA) LTD.	0	0	0	2	0	1
7	CEMENT CORPN. OF INDIA LTD.	4995	214	4951	206	4943	214
8	CENTRAL WAREHOUSING CORPN.	301	40	271	8	270	8
9	CONTAINER CORPORATION OF INDIA LTD.	1198	2	1197	2	1235	2
10	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	13	0	7	0	0	0
11	FOOD CORPN. OF INDIA	1043	191	953	196	864	218
12	FRESH & HEALTHY ENTERPRISES LTD.	0	0	0	0	8	8
13	HINDUSTAN ANTIBIOTICS LTD.	0	0	0	1	0	0
14	HINDUSTAN PETROLEUM CORPN. LTD.	9254	19	5894	18	7050	14
15	HINDUSTAN PREFAB LTD.	0	0	0	1	0	0
16	HINDUSTAN SALTS LTD.	165	7	123	2	123	14
17	HLL LIFECARE LTD.	0	1	24	0	60	0
18	HOUSING & URBAN DEV. CORPN. LTD.	0	2	0	2	0	3
19	HSCC (INDIA) LTD.	0	0	0	2	0	2
20	I T I LTD.	0	0	0	0	0	140
21	INDIAN OIL CORPORATION LTD.	25924	87	19598	83	35250	84
22	INSTRUMENTATION LTD.	3	1	0	0	0	0
23	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	3	0	0	0	0

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
24	NATIONAL FERTILIZERS LTD.	0	0	0	0	3	2
25	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1	1	1	1	1	1
26	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	3	0	4	0	4
27	NBCC (INDIA) LTD.	4	33	4	30	0	42
28	NHPC LTD.	1271922	1600	1199012	1755	1404611	1895
29	NMDC Ltd.	21	1	21	1	969	2
30	NTPC LTD.	686767	155	681612	185	668318	211
31	NUMALIGARH REFINERY LTD.	1	0	0	0	0	0
32	OIL & NATURAL GAS CORPORATION LTD.	32070	0	3886	0	32070	0
33	OIL INDIA LTD.	0	2	0	2	0	2
34	POWER GRID CORPORATION OF INDIA LTD.	159304	82	148208	85	225019	88
35	POWERGRID KALA AMB TRANSMISSION LTD.	21151	0	1125	0	413	0
36	RAILTEL CORPORATION INDIA LTD.	0	0	0	1	0	1
37	RURAL ELECTRIFICATION CORPN. LTD.	133	5	129	5	129	4
38	SJVN LTD.	1342748	1158	1314543	1218	1304076	1275
39	SJVN THERMAL PVT. LTD.	0	0	0	0	93	9
40	STEEL AUTHORITY OF INDIA LTD.	7047	1	6359	1	6208	1
41	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	2	0	1	0	2
42	WAPCOS LTD.	0	0	1	0	0	0
<b>STATE TOTAL :</b>		<b>3776215</b>	<b>6429</b>	<b>3599668</b>	<b>6767</b>	<b>3894920</b>	<b>7301</b>

<b>JAMMU &amp; KASHMIR</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	23	0	23	0	15
2	BEML LTD.	11	11	11	15	9	16
3	BHARAT BROADBAND NETWORK LTD.	8	2	5	1	5	1
4	BHARAT PETROLEUM CORPN. LTD.	7067	27	6296	27	10082	27
5	BHARAT SANCHAR NIGAM LTD.	199595	1875	195346	2009	185541	2167
6	BRIDGE & ROOF CO.(INDIA) LTD.	0	0	0	0	0	1
7	CENTRAL WAREHOUSING CORPN.	12	0	12	0	12	0
8	E. C. G. C. LTD.	0	1	0	1	0	1
9	ENGINEERING PROJECTS (INDIA) LTD.	178	7	12	7	12	8
10	FOOD CORPN. OF INDIA	4261	256	4128	245	4001	816
11	HINDUSTAN ANTIBIOTICS LTD.	0	0	0	1	0	0
12	HINDUSTAN PETROLEUM CORPN. LTD.	19005	79	16400	76	20303	77

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
13	HINDUSTAN PREFAB LTD.	0	8	0	0	0	0
14	HOTEL CORPN. OF INDIA LTD.	2445	241	2439	256	2467	281
15	HOUSING & URBAN DEV. CORPN. LTD.	524	8	525	10	525	9
16	HSCC (INDIA) LTD.	0	1	0	0	0	2
17	I T I LTD.	869	102	867	139	857	1
18	INDIA TOURISM DEV. CORPN. LTD.	383	14	309	12	294	20
19	INDIAN OIL CORPORATION LTD.	36621	119	31373	121	42893	138
20	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	0	7	0	5	0	5
21	IRCON INFRASTRUCTURE & SERVICES LTD.	647	1	637	0	588	0
22	IRCON INTERNATIONAL LTD.	214	157	198	188	124	212
23	J & K MINERAL DEVELOPMENT CORPN. LTD.	2741	6	2750	6	3231	5
24	JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	63	16	0	0	0	0
25	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	0	0	1
26	KONKAN RAILWAY CORPORATION LTD.	0	94	0	90	0	90
27	NATIONAL FERTILIZERS LTD.	0	0	0	0	4	3
28	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1	2	1	2	1	3
29	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	17	0	9	9	0	0
30	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	7	34	6	33	6	42
31	NATIONAL SEEDS CORPN. LTD.	0	1	0	1	0	1
32	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	1	0	0	0	1
33	NBCC (INDIA) LTD.	0	12	3	15	1	15
34	NHPC LTD.	1358944	2293	1301857	2582	1893688	2769
35	NMDC Ltd.	0	2	0	2	0	2
36	NTPC LTD.	0	1	0	1	0	0
37	OIL & NATURAL GAS CORPORATION LTD.	6606	0	0	0	6606	0
38	POWER GRID CORPORATION OF INDIA LTD.	275038	323	251037	328	279016	323
39	RAILTEL CORPORATION INDIA LTD.	0	1	0	1	0	1
40	REC POWER DISTRIBUTION CO. LTD.	0	1	0	0	0	0
41	RITES LTD.	0	1	0	3	0	5
42	RURAL ELECTRIFICATION CORPN. LTD.	24	7	19	8	16	7
43	SJVN LTD.	0	7	0	8	0	8
44	STEEL AUTHORITY OF INDIA LTD.	894	12	888	14	564	13

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
45	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	41	4	39	5	3	10
46	THDC INDIA LTD.	0	1	0	1	0	0
47	WAPCOS LTD.	11	4	3	1	15	0
<b>STATE TOTAL :</b>		<b>1916227</b>	<b>5762</b>	<b>1815170</b>	<b>6246</b>	<b>2450864</b>	<b>7096</b>

<b>JHARKHAND</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	4	3	4	3	0	11
2	AIR INDIA LTD.	0	0	0	0	0	1
3	BEML LTD.	284	138	276	134	252	162
4	BHARAT BROADBAND NETWORK LTD.	23	2	17	2	6	2
5	BHARAT COKING COAL LTD.	308186	50155	264322	52616	558768	55039
6	BHARAT PETROLEUM CORPN. LTD.	12599	79	10715	75	14528	77
7	BHARAT SANCHAR NIGAM LTD.	399077	2269	375487	2413	270886	2561
8	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	180	5	0	24	0	9
9	BRIDGE & ROOF CO.(INDIA) LTD.	1070	27	845	12	302	11
10	BURN STANDARD COMPANY LTD.	167	0	167	0	167	0
11	CENTRAL COALFIELDS LTD.	457572	42132	345135	43681	604213	45011
12	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	10152	1426	9934	1486	13745	1504
13	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	746	0	744	0	644	0
14	CENTRAL WAREHOUSING CORPN.	185	14	178	12	178	14
15	CONTAINER CORPORATION OF INDIA LTD.	75	2	66	3	588	6
16	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	0	1	0	0	0	0
17	DEOGHAR INFRA LTD.	15	0	0	0	0	0
18	DEOGHAR MEGA POWER LTD.	1067	0	868	0	608	0
19	DREDGING CORPN. OF INDIA LTD.	0	2	0	2	0	3
20	EASTERN COALFIELDS LTD.	79302	8808	25429	9127	207658	9300
21	ENGINEERING PROJECTS (INDIA) LTD.	13	6	12	6	12	8
22	FERRO SCRAP NIGAM LTD.	693	123	598	152	2738	159
23	FERTILIZER CORPN. OF INDIA LTD.	46718	1	46718	2	46717	3
24	FOOD CORPN. OF INDIA	2013	367	1788	362	1581	1194
25	GAIL (INDIA) LTD.	0	4	0	0	0	0
26	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	2666	56	2637	74	1972	96
27	HEAVY ENGINEERING CORPN. LTD.	39048	1439	39261	1534	38631	1742
28	HINDUSTAN ANTIBIOTICS LTD.	0	0	0	4	0	0

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
29	HINDUSTAN COPPER LTD.	10790	637	9473	696	28400	759
30	HINDUSTAN PETROLEUM CORPN. LTD.	39679	81	38275	85	40720	81
31	HINDUSTAN PREFAB LTD.	0	0	0	1	0	0
32	HINDUSTAN STEELWORKS COSTN. LTD.	3564	6	3586	9	3197	22
33	HOUSING & URBAN DEV. CORPN. LTD.	53	14	56	15	55	14
34	I T I LTD.	0	0	0	0	0	967
35	INDIA TOURISM DEV. CORPN. LTD.	0	1	0	0	1	2
36	INDIAN OIL CORPORATION LTD.	88072	247	73274	266	91033	259
37	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	0	2	0	2	0	2
38	INSTRUMENTATION LTD.	0	0	0	0	0	1
39	IRCON INTERNATIONAL LTD.	54	22	47	25	46	30
40	JHARKHAND INFRAPOWER LTD.	1	0	1	0	0	0
41	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	11	0	15	0	11
42	KIOCL LTD.	0	0	0	0	0	2
43	M M T C LTD.	0	36	0	32	0	35
44	M S T C LTD.	1	2	0	0	0	0
45	MECON LTD.	9410	829	9124	899	8329	979
46	MINERAL EXPLORATION CORPN. LTD.	365	62	1151	163	1621	238
47	NATIONAL FERTILIZERS LTD.	0	0	0	0	2	2
48	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	0	1	1	2	1	1
49	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	44	75	43	90	28	109
50	NATIONAL SEEDS CORPN. LTD.	0	7	0	5	0	6
51	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	11	6	14	3	11
52	NBCC (INDIA) LTD.	2	49	23	60	22	51
53	NEYVELI UTTAR PRADESH POWER LTD	373	5	2	5	2	4
54	NMDC Ltd.	1	1	1	1	1	1
55	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	30	5
56	NTPC LTD.	793598	196	483346	191	335027	185
57	OIL & NATURAL GAS CORPORATION LTD.	68697	149	20679	128	64372	177
58	OIL INDIA LTD.	0	19	0	16	0	16
59	PATRATU VIDYUT UTPADAN NIGAM LTD.	13202	84	460	30	0	0
60	POWER GRID CORPORATION OF INDIA LTD.	449819	188	433538	177	455845	184



		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
61	PROJECTS & DEVELOPMENT INDIA LTD.	2825	29	2788	35	2779	37
62	RAILTEL CORPORATION INDIA LTD.	0	5	0	5	0	3
63	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	280	37	279	38	271	42
64	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	0	0	0	4	1	0
65	RASHTRIYA ISPAT NIGAM LTD.	0	0	0	5	0	0
66	REC POWER DISTRIBUTION CO. LTD.	1	2	0	0	0	1
67	MITES LTD.	12	18	12	19	12	19
68	RURAL ELECTRIFICATION CORPN. LTD.	30	3	26	5	23	5
69	SCOOTERS INDIA LTD.	0	0	0	0	0	1
70	SJVN LTD.	0	21	0	21	0	23
71	STEEL AUTHORITY OF INDIA LTD.	2051619	18901	1757761	20250	1661106	21652
72	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	4	0	2	0	4
73	URANIUM CORPORATION OF INDIA LTD.	97389	4280	92089	4238	164136	4259
74	WAPCOS LTD.	62	13	55	13	19	9
<b>STATE TOTAL :</b>		<b>4991798</b>	<b>133107</b>	<b>4051297</b>	<b>139286</b>	<b>4621276</b>	<b>147122</b>

<b>KARNATAKA</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	2	0	2	0	13
2	AIR INDIA EXPRESS LTD.	26	65	0	82	0	70
3	AIR INDIA LTD.	0	0	0	0	116723	54
4	ANTRIX CORPORATION LTD.	1689	80	1547	75	1882	74
5	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	385	12	380	12	376	10
6	BALMER LAWRIE & CO. LTD.	274	24	350	22	340	21
7	BEL-THALES SYSTEMS LTD.	372	12	53	8	34	0
8	BEML LTD.	72862	7107	51541	7691	138614	8276
9	BHARAT BROADBAND NETWORK LTD.	2868	4	2061	5	7	5
10	BHARAT ELECTRONICS LTD.	145488	5149	96807	5129	144851	4945
11	BHARAT HEAVY ELECTRICALS LTD.	37738	2893	19722	2992	48695	3171
12	BHARAT PETROLEUM CORPN. LTD.	82720	285	74450	288	100799	290
13	BHARAT SANCHAR NIGAM LTD.	1784121	14100	1795348	15341	1083299	16580
14	BRIDGE & ROOF CO.(INDIA) LTD.	90	12	85	7	227	7
15	BROADCAST ENGG. CONSULTANTS INDIA LTD.	10	5	10	5	2	0
16	CEMENT CORPN. OF INDIA LTD.	1708	1	1708	1	1711	1
17	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	139	11	144	11	143	12

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
18	CENTRAL ELECTRONICS LTD.	0	3	0	4	0	4
19	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	2226	3	2250	2	2476	2
20	CENTRAL WAREHOUSING CORPN.	10490	140	9971	163	8823	176
21	COAL INDIA LTD.	2	9	2	9	3	9
22	COASTAL KARNATAKA POWER LTD.	440	0	440	0	387	0
23	CONTAINER CORPORATION OF INDIA LTD.	5690	43	4674	44	8085	43
24	COTTON CORPN. OF INDIA LTD.	40	24	38	32	32	31
25	DREDGING CORPN. OF INDIA LTD.	0	127	0	1	13	2
26	E. C. G. C. LTD.	654	25	652	26	653	25
27	ELECTRONICS CORPN. OF INDIA LTD.	49	34	51	43	78	49
28	ENGINEERING PROJECTS (INDIA) LTD.	32	5	27	7	27	7
29	ENGINEERS INDIA LTD.	0	19	0	40	0	82
30	FERRO SCRAP NIGAM LTD.	61	9	251	5	263	5
31	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	35	21	35	30	35	30
32	FOOD CORPN. OF INDIA	10076	665	9746	638	9232	1329
33	GAIL (INDIA) LTD.	253535	109	247566	105	286731	82
34	GAIL GAS LTD.	0	0	14377	27	73	0
35	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	0	0	2
36	HINDUSTAN AERONAUTICS LTD.	573185	14268	482905	14546	264044	14864
37	HINDUSTAN ANTIBIOTICS LTD.	0	0	0	2	0	0
38	HINDUSTAN COPPER LTD.	14	4	16	6	36	6
39	HINDUSTAN PETROLEUM CORPN. LTD.	255561	545	206917	579	218002	591
40	HINDUSTAN PREFAB LTD.	0	5	0	0	0	0
41	HINDUSTAN STEELWORKS COSTN. LTD.	9	2	7	2	8	3
42	HLL LIFECARE LTD.	14396	442	530	466	12683	478
43	HMT (INTERNATIONAL) LTD.	739	28	734	32	832	38
44	HMT CHINAR WATCHES LTD.	0	0	0	0	1214	54
45	HMT LTD.	1519	43	1509	48	1502	59
46	HMT MACHINE TOOLS LTD.	12036	507	12666	585	11924	674
47	HMT WATCHES LTD.	0	0	9	224	18826	1005
48	HOUSING & URBAN DEV. CORPN. LTD.	500	30	500	33	498	32
49	HSCC (INDIA) LTD.	0	1	0	2	8	1
50	I T I LTD.	231093	585	226605	754	218879	506
51	INDIA TOURISM DEV. CORPN. LTD.	395	23	377	24	368	37
52	INDIA TRADE PROMOTION ORGANISATION	0	0	12	4	11	4

		(Gross Block : ₹ in Lakhs)		(Employment in Numbers)			
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
53	INDIAN OIL CORPORATION LTD.	220323	704	197112	723	277523	735
54	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	90	49	86	43	86	43
55	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	2	0	0	0	0	0
56	IRCON INFRASTRUCTURE & SERVICES LTD.	547	0	546	0	546	0
57	IRCON INTERNATIONAL LTD.	148	9	295	10	291	14
58	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	8957	346	6827	324	6270	354
59	KARNATAKA TRADE PROMOTION ORGANISATION	3481	1	2554	2	2912	2
60	KIOCL LTD.	27036	904	26483	902	119798	902
61	KONKAN RAILWAY CORPORATION LTD.	134784	1206	133334	1167	132101	1108
62	KUMARAKRUPPA FRONTIER HOTELS LTD.	93	0	93	0	679	0
63	M M T C LTD.	0	59	0	86	7467	105
64	M S T C LTD.	15	21	14	22	44	21
65	MADRAS FERTILIZERS LTD.	46	36	46	35	46	38
66	MANGALORE REFINERY & PETROCHEMICALS LTD.	1575612	1881	1576698	1775	2229802	1688
67	MECON LTD.	1914	133	4240	136	3997	163
68	MINERAL EXPLORATION CORPN. LTD.	383	66	14	22	375	68
69	NATIONAL ALUMINIUM COMPANY LTD.	0	3	0	5	0	5
70	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	2	3	2	3	2	2
71	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	137	16	139	19	8	32
72	NATIONAL RESEARCH DEVELOPMENT CORPN.	0	3	0	3	0	3
73	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	2	3	1	3	1	3
74	NATIONAL SEEDS CORPN. LTD.	3986	105	2857	101	1878	96
75	NATIONAL SMALL INDUSTRIES CORPN. LTD.	167	29	162	30	156	27
76	NATIONAL TEXTILE CORPN. LTD.	9087	373	9034	390	18683	402
77	NBCC (INDIA) LTD.	1	7	3	21	4	25
78	NLC INDIA LTD.	1	5	1	5	0	5
79	NMDC Ltd.	125979	1150	120988	1207	135334	1149
80	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	3	4	2	4	2	4
81	NTPC LTD.	1311638	294	1026604	261	731315	246
82	NUCLEAR POWER CORPN. OF INDIA LTD.	306954	1511	306842	1536	579396	1556

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
83	OIL & NATURAL GAS CORPORATION LTD.	761	0	0	0	761	0
84	OIL INDIA LTD.	0	2	0	1	0	1
85	ONGC MANGALORE PETROCHEMICALS LTD.	668213	457	679772	465	0	0
86	POWER GRID CORPORATION OF INDIA LTD.	280895	430	229766	396	438731	406
87	POWER SYSTEM OPERATION CORPORATION LTD.	3096	72	2885	65	4350	63
88	POWERGRID NM TRANSMISSION LTD.	16385	3	73893	3	0	0
89	PROJECTS & DEVELOPMENT INDIA LTD.	0	0	0	0	0	2
90	RAIL VIKAS NIGAM LTD.	104	22	76	17	0	17
91	RAILTEL CORPORATION INDIA LTD.	0	11	0	14	0	13
92	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	6	0	6	0	5
93	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	32	28	32	32	73	32
94	RASHTRIYA ISPAT NIGAM LTD.	480	10	485	10	485	10
95	REC POWER DISTRIBUTION CO. LTD.	3	1	4	0	1	0
96	RITES LTD.	0	47	0	65	0	114
97	RURAL ELECTRIFICATION CORPN. LTD.	324	8	311	11	305	10
98	SCOOTERS INDIA LTD.	0	1	0	1	0	1
99	SJVN LTD.	0	2	0	2	0	2
100	STATE TRADING CORPN. OF INDIA LTD.	4994	22	4987	15	4991	15
101	STCL LTD.	558	13	558	13	572	14
102	STEEL AUTHORITY OF INDIA LTD.	42995	503	41166	594	39241	694
103	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	3	0	3	0	3
104	TUNGABHADRA STEEL PRODUCTS LTD.	2033	75	2033	75	2033	75
105	URANIUM CORPORATION OF INDIA LTD.	192	0	123	0	123	0
106	VIGNYAN INDUSTRIES LTD.	909	86	1694	95	1673	113
107	WAPCOS LTD.	24	10	20	7	23	8
<b>STATE TOTAL :</b>		<b>8256653</b>	<b>58214</b>	<b>7719855</b>	<b>60879</b>	<b>7445527</b>	<b>64153</b>

<b>KERALA</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	2276	53	2276	53	0	679
2	AIR INDIA EXPRESS LTD.	443	211	0	359	0	368
3	AIR INDIA LTD.	0	0	0	0	116724	218
4	BALMER LAWRIE & CO. LTD.	16	6	16	6	15	6

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
5	BEML LTD.	24	316	15346	290	24	303
6	BHARAT BROADBAND NETWORK LTD.	18	3	14	2	6	2
7	BHARAT PETROLEUM CORPN. LTD.	2041198	2400	1612254	2363	1394881	2220
8	BHARAT SANCHAR NIGAM LTD.	1451085	11717	1466991	12510	1144504	13405
9	BHEL ELECTRICAL MACHINES LTD.	1096	174	1092	178	1100	175
10	BPCL-KIAL FUEL PVT. LTD.	180	0	180	0	0	0
11	BRIDGE & ROOF CO.(INDIA) LTD.	1513	65	1306	87	1320	10
12	CENTRAL WAREHOUSING CORPN.	5895	55	5385	60	4854	65
13	COCHIN SHIPYARD LTD.	74818	1829	68635	1671	64962	1786
14	CONTAINER CORPORATION OF INDIA LTD.	4549	8	2207	7	3932	11
15	DREDGING CORPN. OF INDIA LTD.	0	0	0	46	2	53
16	E. C. G. C. LTD.	245	10	245	12	241	11
17	ENGINEERING PROJECTS (INDIA) LTD.	17	4	8	4	8	5
18	ENGINEERS INDIA LTD.	0	125	0	148	0	122
19	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	149543	2107	149172	2307	149195	2490
20	FOOD CORPN. OF INDIA	11143	739	10634	723	10266	2356
21	GAIL (INDIA) LTD.	135870	33	131639	31	142545	30
22	GAIL GAS LTD.	0	0	0	0	0	9
23	HINDUSTAN AERONAUTICS LTD.	0	59	0	60	0	0
24	HINDUSTAN ANTIBIOTICS LTD.	3	6	3	5	3	5
25	HINDUSTAN INSECTICIDES LTD.	6268	190	5978	210	5294	238
26	HINDUSTAN NEWSPRINT LTD.	26602	495	53986	563	48154	640
27	HINDUSTAN ORGANIC CHEMICALS LTD.	28080	308	28266	344	28253	376
28	HINDUSTAN PETROLEUM CORPN. LTD.	48386	180	43639	192	58222	173
29	HINDUSTAN PREFAB LTD.	30	0	0	4	0	2
30	HINDUSTAN SHIPYARD LTD.	0	0	0	0	0	1
31	HLL INFRA TECH SERVICES LTD.	20	56	0	293	0	0
32	HLL LIFECARE LTD.	40757	1120	22105	1153	31479	1111
33	HMT MACHINE TOOLS LTD.	5698	236	5717	265	5572	302
34	HOUSING & URBAN DEV. CORPN. LTD.	572	29	568	29	567	29
35	HSCC (INDIA) LTD.	0	1	0	1	0	1
36	I T I LTD.	22343	394	21724	446	19142	5
37	INDIA TOURISM DEV. CORPN. LTD.	0	2	0	0	0	0
38	INDIAN OIL CORPORATION LTD.	145608	463	117963	470	192926	481
39	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	2160	27	78	22	114	22
40	INDIAN RARE EARTHS LTD.	28615	553	27880	595	27143	666

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
41	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	29398	0	1403	0	0	0
42	INSTRUMENTATION LTD.	2960	299	2956	303	2843	315
43	IRCON INFRASTRUCTURE & SERVICES LTD.	851	0	851	0	825	0
44	IRCON INTERNATIONAL LTD.	1101	15	495	28	9	13
45	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	23	0	16	0	20
46	M M T C LTD.	0	7	0	0	0	7
47	M S T C LTD.	1	5	1	2	0	0
48	MADRAS FERTILIZERS LTD.	5	7	5	7	5	7
49	MANGALORE REFINERY & PETROCHEMICALS LTD.	390	0	390	0	574	0
50	MAZAGON DOCK SHIPBUILDERS LTD.	0	1	0	1	0	1
51	MECON LTD.	0	2	0	8	0	4
52	NATIONAL FILM DEV. CORPN. LTD.	0	4	0	0	0	4
53	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	14	10	12	11	13	11
54	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	1	0	0	0	0
55	NATIONAL SEEDS CORPN. LTD.	0	2	0	3	0	4
56	NATIONAL SMALL INDUSTRIES CORPN. LTD.	144	7	52	9	20	9
57	NATIONAL TEXTILE CORPN. LTD.	13540	1305	13462	1333	22752	1423
58	NBCC (INDIA) LTD.	0	13	0	16	0	7
59	NHPC LTD.	0	1	0	1	0	1
60	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	2	2
61	NTPC LTD.	60026	118	58869	138	135556	147
62	OIL INDIA LTD.	0	10	0	10	0	10
63	PETRONET CCK LTD.	6639	43	6444	41	0	0
64	POWER GRID CORPORATION OF INDIA LTD.	150070	91	150070	82	186360	85
65	RAILTEL CORPORATION INDIA LTD.	0	7	0	14	0	2
66	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	1	0	1	0	1
67	RASHTRIYA ISPAT NIGAM LTD.	33	8	33	9	33	10
68	RITES INFRASTRUCTURE SERVICES LTD.	0	0	228	0	228	0
69	RITES LTD.	217	4	0	4	0	3
70	RURAL ELECTRIFICATION CORPN. LTD.	246	8	237	9	235	6
71	SCOOTERS INDIA LTD.	0	0	0	0	0	1
72	SJVN LTD.	0	2	0	2	0	1



		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
73	STATE TRADING CORPN. OF INDIA LTD.	116	23	115	27	0	24
74	STEEL AUTHORITY OF INDIA LTD.	805	9	807	9	806	7
75	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	3	0	0	0	0
76	WAPCOS LTD.	13	8	13	7	12	5
<b>STATE TOTAL :</b>		<b>4501640</b>	<b>26011</b>	<b>4031750</b>	<b>27600</b>	<b>3801721</b>	<b>30506</b>

<b>LAKSHADWEEP</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	0	0	0	0	1
<b>STATE TOTAL :</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

<b>MADHYA PRADESH</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	24	14	24	14	0	16
2	AIRLINE ALLIED SERVICES LTD.	2	0	0	0	0	0
3	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	265	12	242	12	237	8
4	BALMER LAWRIE & CO. LTD.	0	2	0	3	0	2
5	BEML LTD.	311	94	302	98	293	127
6	BHARAT BROADBAND NETWORK LTD.	68	10	61	8	22	8
7	BHARAT HEAVY ELECTRICALS LTD.	53235	6078	52262	6351	139534	6652
8	BHARAT PETROLEUM CORPN. LTD.	159568	290	146609	287	185968	291
9	BHARAT SANCHAR NIGAM LTD.	1068690	7677	1082640	8148	618166	8559
10	BRIDGE & ROOF CO.(INDIA) LTD.	165	37	138	39	89	18
11	BURN STANDARD COMPANY LTD.	5058	0	5058	0	5058	0
12	CEMENT CORPN. OF INDIA LTD.	19749	1	19749	1	19749	1
13	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	2194	238	1164	227	1297	224
14	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	816	2	0	2	886	2
15	CENTRAL WAREHOUSING CORPN.	9602	208	9402	232	8810	256
16	CONTAINER CORPORATION OF INDIA LTD.	12861	48	7827	34	4383	26
17	COTTON CORPN. OF INDIA LTD.	164	34	172	44	167	46
18	DREDGING CORPN. OF INDIA LTD.	0	4	0	1	0	1
19	E. C. G. C. LTD.	25	7	25	8	26	6
20	ELECTRONICS CORPN. OF INDIA LTD.	0	0	0	0	1	1
21	ENGINEERING PROJECTS (INDIA) LTD.	3	8	0	6	0	5
22	ENGINEERS INDIA LTD.	0	31	0	23	0	38
23	FOOD CORPN. OF INDIA	4436	735	4106	714	3468	1744

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
24	GAIL (INDIA) LTD.	616201	597	590389	570	896118	541
25	GAIL GAS LTD.	8367	0	7271	7	7153	6
26	HINDUSTAN ANTIBIOTICS LTD.	2	11	2	13	2	9
27	HINDUSTAN COPPER LTD.	19317	505	14506	594	77318	679
28	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	0	0	1
29	HINDUSTAN PETROLEUM CORPN. LTD.	72178	219	53412	218	62254	221
30	HINDUSTAN PREFAB LTD.	0	23	0	3	0	1
31	HINDUSTAN STEELWORKS COSTN. LTD.	4	0	10	0	3	1
32	HLL LIFECARE LTD.	0	0	1	0	0	0
33	HOUSING & URBAN DEV. CORPN. LTD.	336	21	333	22	333	25
34	HSCC (INDIA) LTD.	0	4	0	0	0	0
35	I T I LTD.	0	10	0	9	277	17
36	INDIA TOURISM DEV. CORPN. LTD.	0	2	0	0	0	4
37	INDIAN DRUGS & PHARMACEUTICALS LTD.	0	0	217	0	0	0
38	INDIAN OIL CORPORATION LTD.	137101	575	116441	557	174867	554
39	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	104	17	101	15	101	15
40	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	0	0	391	0	335	0
41	IRCON INFRASTRUCTURE & SERVICES LTD.	1575	0	1575	0	1575	0
42	IRCON INTERNATIONAL LTD.	3414	41	2442	30	4	4
43	IRCON SHIVPURI GUNA TOLLWAY LTD.	30068	0	656	0	0	0
44	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	32	0	33	0	30
45	KONKAN RAILWAY CORPORATION LTD.	0	3	0	3	0	1
46	M S T C LTD.	1	4	1	5	4	5
47	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	689	57	684	58	636	60
48	MECON LTD.	0	10	0	21	0	15
49	MINERAL EXPLORATION CORPN. LTD.	1383	117	913	120	811	133
50	MOIL LTD.	41117	3015	34078	3113	32853	3188
51	NATIONAL FERTILIZERS LTD.	85697	715	86978	748	225527	837
52	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	11	3	2	2	2	3
53	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	1	14	0	11	6
54	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	1	3	1	3	1	3

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
55	NATIONAL SEEDS CORPN. LTD.	469	64	473	49	454	50
56	NATIONAL SMALL INDUSTRIES CORPN. LTD.	43	10	41	11	52	10
57	NATIONAL TEXTILE CORPN. LTD.	16674	222	16577	236	23482	233
58	NBCC (INDIA) LTD.	4	46	4	67	14	66
59	NEPA LTD.	25235	581	15419	803	10305	626
60	NHDC LTD.	198457	547	191059	556	759248	533
61	NHPC LTD.	0	78	0	90	0	98
62	NMDC Ltd.	1821	196	2799	200	7383	193
63	NORTHERN COALFIELDS LTD.	322725	8940	256667	9335	455015	9441
64	NTPC LTD.	2413353	1724	1886302	1741	1898123	1753
65	OIL & NATURAL GAS CORPORATION LTD.	71992	0	6586	0	71673	0
66	OIL INDIA LTD.	33558	7	29279	6	26815	7
67	POWER GRID CORPORATION OF INDIA LTD.	2208563	395	2036597	395	2081502	394
68	POWER GRID JABALPUR TRANSMISSION LTD.	22803	0	2110	0	10	0
69	POWER GRID WARORA TRANSMISSION LTD.	77952	0	0	0	0	0
70	RAIL VIKAS NIGAM LTD.	115	34	93	33	0	25
71	RAILTEL CORPORATION INDIA LTD.	0	15	0	13	0	15
72	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	7	0	6	0	5
73	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	2	6	2	4	6	4
74	RASHTRIYA ISPAT NIGAM LTD.	23	3	23	3	23	3
75	REC POWER DISTRIBUTION CO. LTD.	0	1	0	0	2	0
76	rites LTD.	0	30	0	23	0	25
77	RURAL ELECTRIFICATION CORPN. LTD.	460	11	443	12	435	13
78	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	83120	2431	78608	2553	122352	2733
79	SJVN LTD.	0	23	0	23	0	23
80	SOUTH EASTERN COALFIELDS LTD.	108409	15172	92106	24261	156268	25696
81	STATE TRADING CORPN. OF INDIA LTD.	117	4	117	5	117	7
82	STCL LTD.	493	0	500	0	517	0
83	STEEL AUTHORITY OF INDIA LTD.	4690	188	4643	219	4499	250
84	TCIL BINA TOLL ROAD LTD.	12071	32	12071	0	12087	0
85	TCIL LAKHNADONE TOLL ROAD LTD.	8855	0	7695	0	5570	0
86	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	2953	20	3047	24	2975	32
87	THDC INDIA LTD.	0	5	0	0	0	0
88	WAPCOS LTD.	23	21	16	11	14	8

		(Gross Block : ₹ in Lakhs)		(Employment in Numbers)			
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
89	WESTERN COALFIELDS LTD.	45696	13832	42205	14784	91828	15616
<b>STATE TOTAL :</b>		<b>8015478</b>	<b>66160</b>	<b>6925681</b>	<b>77859</b>	<b>8199108</b>	<b>82249</b>

<b>MAHARASHTRA</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	21258	1432	21258	1432	0	1515
2	AIR INDIA EXPRESS LTD.	502437	652	0	187	475858	187
3	AIR INDIA LTD.	0	0	0	0	566389	4989
4	AIRLINE ALLIED SERVICES LTD.	9	31	8	0	8	0
5	AIRPORTS AUTHORITY OF INDIA	0	0	400010	4228	395041	3250
6	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	0	2	0	2	0	3
7	BALMER LAWRIE & CO. LTD.	17354	157	18667	154	15750	254
8	BEL Optronics DEVICES LTD.	36824	127	27463	130	33004	133
9	BEML LTD.	284	78	278	90	266	100
10	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	1153	12	1153	11	1152	14
11	BHARAT BROADBAND NETWORK LTD.	42	6	42	3	16	5
12	BHARAT DYNAMICS LTD.	3927	0	3927	0	3927	0
13	BHARAT ELECTRONICS LTD.	12200	709	6251	725	11585	724
14	BHARAT HEAVY ELECTRICALS LTD.	10231	761	9953	809	37457	809
15	BHARAT PETRO RESOURCES LTD.	200	2	189	47	1428	47
16	BHARAT PETROLEUM CORPN. LTD.	1549194	5056	1200735	5119	2200031	5185
17	BHARAT PUMPS & COMPRESSORS LTD.	18	3	18	4	18	4
18	BHARAT SANCHAR NIGAM LTD.	1898302	18013	1925693	19456	1894642	20751
19	BRIDGE & ROOF CO.(INDIA) LTD.	455	91	382	131	568	17
20	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	81	29	78	30	99	29
21	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	1547	445	1306	464	1460	455
22	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	4837	6	5304	5	4012	5
23	CENTRAL WAREHOUSING CORPN.	30505	380	30351	440	30246	481
24	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	243	51	234	52	403	55
25	COAL INDIA LTD.	1	8	1	8	5	10
26	COASTAL MAHARASHTRA MEGA POWER LTD.	802	0	802	0	722	0
27	CONCOR AIR LTD.	4365	0	3777	0	1851	0
28	CONTAINER CORPORATION OF INDIA LTD.	19378	184	12703	168	36030	189
29	COTTON CORPN. OF INDIA LTD.	7073	287	7019	309	6868	315
30	DEDICATED FREIGHT CORRIDOR CORP. OF INDIA LTD.	8398	70	8308	40	3153	35

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
31	DREDGING CORPN. OF INDIA LTD.	0	0	0	11	29	13
32	E. C. G. C. LTD.	17822	280	14620	286	18287	297
33	ELECTRONICS CORPN. OF INDIA LTD.	194	78	198	86	313	99
34	ENGINEERING PROJECTS (INDIA) LTD.	128	21	129	28	121	29
35	ENGINEERS INDIA LTD.	1748	86	1525	81	2445	94
36	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	15	2	15	0	15	2
37	FOOD CORPN. OF INDIA	10974	1226	10472	1050	9746	3323
38	GAIL (INDIA) LTD.	203623	201	208103	221	278465	213
39	GAIL GAS LTD.	0	0	0	0	216	1
40	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	0	0	1
41	GOA SHIPYARD LTD.	3	5	3	6	15	5
42	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	407	2	14	2	13	1
43	HINDUSTAN AERONAUTICS LTD.	241510	4893	223288	4978	50686	5033
44	HINDUSTAN ANTIBIOTICS LTD.	22522	886	22493	911	22199	945
45	HINDUSTAN COPPER LTD.	854	118	744	124	4288	128
46	HINDUSTAN INSECTICIDES LTD.	8105	524	7947	602	7873	649
47	HINDUSTAN ORGANIC CHEMICALS LTD.	37013	560	36990	613	36793	665
48	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	0	8	3
49	HINDUSTAN PETROLEUM CORPN. LTD.	1801394	4232	1487961	4278	2099227	4310
50	HINDUSTAN PREFAB LTD.	0	3	0	0	0	0
51	HINDUSTAN SHIPYARD LTD.	0	0	0	0	0	2
52	HINDUSTAN STEELWORKS COSTN. LTD.	13	0	12	4	11	2
53	HLL LIFECARE LTD.	0	29	121	20	2443	20
54	HMT LTD.	583	75	580	80	548	81
55	HOTEL CORPN. OF INDIA LTD.	928	314	916	211	927	325
56	HOUSING & URBAN DEV. CORPN. LTD.	871	27	868	30	868	30
57	HSCC (INDIA) LTD.	0	2	0	1	0	0
58	I T I LTD.	281	31	277	33	0	0
59	INDIA TOURISM DEV. CORPN. LTD.	12	10	11	9	10	10
60	INDIA TRADE PROMOTION ORGANISATION	31	17	30	17	30	18
61	INDIAN DRUGS & PHARMACEUTICALS LTD.	0	0	7	0	0	0
62	INDIAN OIL CORPORATION LTD.	208522	2395	183923	2453	286132	2508
63	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	3133	198	3259	165	3004	165

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
64	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	347	0	158	0	129	0
65	INDIAN RARE EARTHS LTD.	627	78	616	82	591	101
66	INSTRUMENTATION LTD.	100	4	99	5	99	5
67	IRCON INTERNATIONAL LTD.	385	26	362	25	372	22
68	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	47	0	46	0	43
69	KONKAN RAILWAY CORPORATION LTD.	245227	2562	234815	2511	230287	2487
70	M M T C LTD.	504	105	496	117	1043	122
71	M S T C LTD.	76	28	67	33	208	30
72	MAHANAGAR TELEPHONE NIGAM LTD.	1288801	14766	1280088	16193	1298729	17033
73	MANGALORE REFINERY & PETROCHEMICALS LTD.	9	7	9	5	23	8
74	MAZAGON DOCK SHIPBUILDERS LTD.	93195	5077	80042	8928	53219	8919
75	MECON LTD.	682	8	685	7	678	8
76	MILLENNIUM TELECOM LTD.	0	0	38	0	38	0
77	MINERAL EXPLORATION CORPN. LTD.	4496	431	3739	369	3299	410
78	MOIL LTD.	43013	3182	33054	3187	33454	3223
79	MUMBAI RAILWAY VIKAS CORPORATION LTD.	5535	230	5458	213	5245	197
80	NATIONAL ALUMINIUM COMPANY LTD.	35603	11	4110	11	66	10
81	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	53	1	51	1	51	1
82	NATIONAL FERTILIZERS LTD.	5	0	0	0	22	9
83	NATIONAL FILM DEV. CORPN. LTD.	772	53	751	55	705	56
84	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	75	4	65	4	65	4
85	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	4	9	4	10	42	7
86	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	49	2	49	2	49	2
87	NATIONAL SEEDS CORPN. LTD.	974	45	885	49	884	50
88	NATIONAL SMALL INDUSTRIES CORPN. LTD.	263	45	186	47	176	52
89	NATIONAL TEXTILE CORPN. LTD.	26557	2670	26404	2865	47874	2945
90	NBCC (INDIA) LTD.	5	81	16	98	23	90
91	NEPA LTD.	23	3	0	3	0	3
92	NHPC LTD.	303	12	299	10	503	9
93	NLC INDIA LTD.	8	2	7	3	12	3
94	NMDC Ltd.	24	2	24	2	146	2
95	NTPC LTD.	2189041	760	1926071	759	1605752	711



		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
96	NUCLEAR POWER CORPN. OF INDIA LTD.	656898	3515	534695	3503	929850	3548
97	NUMALIGARH REFINERY LTD.	1	0	3	0	3	0
98	OIL & NATURAL GAS CORPORATION LTD.	457480	6727	127508	6845	15010826	6789
99	OIL INDIA LTD.	0	9	0	9	0	10
100	P E C LTD.	9	6	0	6	0	7
101	PAWAN HANS LTD.	89831	253	0	252	113282	257
102	POWER FINANCE CORPORATION LTD.	0	0	0	2	0	2
103	POWER GRID CORPORATION OF INDIA LTD.	1975254	552	1781923	493	1632533	477
104	POWER GRID PARLI TRANSMISSION LTD.	51042	0	2409	0	0	0
105	POWER SYSTEM OPERATION CORPORATION LTD.	2635	88	2445	90	3651	88
106	PROJECTS & DEVELOPMENT INDIA LTD.	0	0	0	0	12	10
107	RAIL VIKAS NIGAM LTD.	289	24	267	22	0	20
108	RAILTEL CORPORATION INDIA LTD.	31601	70	30729	67	27385	67
109	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	1	0	1	0	0
110	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	192023	3401	178808	3640	409903	3822
111	RASHTRIYA ISPAT NIGAM LTD.	2847	32	2580	33	2451	33
112	REC POWER DISTRIBUTION CO. LTD.	1	1	4	0	4	1
113	RICHARDSON & CRUDDAS(1972) LTD.	2552	11	2714	16	2799	17
114	BITES LTD.	553	188	702	172	1067	170
115	RURAL ELECTRIFICATION CORPN. LTD.	193	14	187	14	182	15
116	SCOOTERS INDIA LTD.	0	3	0	3	0	2
117	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	43577	5360	36197	5793	108830	6184
118	SHIPPING CORPORATION OF INDIA LTD.	1596615	608	1584455	629	1777253	622
119	SJVN LTD.	29731	5	29731	5	29939	5
120	STATE TRADING CORPN. OF INDIA LTD.	9861	72	9858	85	9884	93
121	STEEL AUTHORITY OF INDIA LTD.	41227	538	39298	651	34277	660
122	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	5	9	17	8	17	9
123	THDC INDIA LTD.	17	2	17	2	18	2
124	WAPCOS LTD.	17	8	17	6	13	6
125	WESTERN COALFIELDS LTD.	455395	33800	354779	34271	441053	34441
<b>STATE TOTAL :</b>		<b>16268214</b>	<b>130355</b>	<b>14208407</b>	<b>142602</b>	<b>32365717</b>	<b>152452</b>

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
<b>MANIPUR</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	4	10	4	10	0	15
2	BHARAT PETROLEUM CORPN. LTD.	571	1	552	1	323	1
3	ENGINEERING PROJECTS (INDIA) LTD.	1	1	0	1	1	1
4	FOOD CORPN. OF INDIA	0	80	0	0	0	0
5	GAIL GAS LTD.	10721	0	0	0	0	0
6	HINDUSTAN PETROLEUM CORPN. LTD.	2	0	0	0	0	0
7	HINDUSTAN PREFAB LTD.	0	0	0	2	0	1
8	HOUSING & URBAN DEV. CORPN. LTD.	1	2	1	3	1	3
9	HSCC (INDIA) LTD.	0	1	0	0	0	2
10	INDIAN OIL CORPORATION LTD.	25785	43	22825	47	21087	49
11	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	11840	33	10536	30	9465	33
12	MILLENNIUM TELECOM LTD.	38	0	0	0	0	0
13	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	2	2	0	2	0	2
14	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	12	0	8	9	0	0
15	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	50	33	52	17	170	26
16	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	2	0	2	0	2
17	NBCC (INDIA) LTD.	0	1	0	0	0	0
18	NHPC LTD.	7046	334	6324	367	18883	416
19	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	1958	0	1933	2	1861	3
20	OIL INDIA LTD.	0	7	0	7	0	7
21	POWER GRID CORPORATION OF INDIA LTD.	32478	55	32478	61	16711	65
22	RAILTEL CORPORATION INDIA LTD.	0	1	0	3	0	4
23	RITES LTD.	0	3	0	4	0	3
24	SJVN LTD.	0	3	0	3	0	3
<b>STATE TOTAL :</b>		<b>90509</b>	<b>612</b>	<b>74713</b>	<b>571</b>	<b>68502</b>	<b>636</b>
<b>MEGHALAYA</b>							
1	BALMER LAWRIE & CO. LTD.	0	1	0	1	0	0
2	BHARAT BROADBAND NETWORK LTD.	7	1	5	1	5	1
3	BHARAT PETROLEUM CORPN. LTD.	0	1	0	0	0	0

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
4	COAL INDIA LTD.	143	14	143	18	487	18
5	ENGINEERING PROJECTS (INDIA) LTD.	11	0	0	0	0	2
6	FOOD CORPN. OF INDIA	5695	233	5266	224	4867	422
7	HINDUSTAN PETROLEUM CORPN. LTD.	1419	0	1257	0	1023	0
8	HINDUSTAN PREFAB LTD.	0	4	0	1	0	4
9	HOUSING & URBAN DEV. CORPN. LTD.	15	2	15	3	20	4
10	HSCC (INDIA) LTD.	0	3	0	2	0	1
11	INDIAN OIL CORPORATION LTD.	5634	0	4710	0	169	0
12	MINERAL EXPLORATION CORPN. LTD.	0	0	0	0	0	8
13	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	10	0	9	7	0	0
14	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	54	32	57	37	50	39
15	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	1	0	1	0	1
16	NBCC (INDIA) LTD.	0	2	0	15	0	13
17	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV. CORPN. LTD.	13	6	12	6	12	6
18	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	5518	432	4501	438	5016	458
19	NORTH EASTERN REGIONAL AGRI. MARKETING CORP. LTD.	165	2	165	2	165	2
20	NUMALIGARH REFINERY LTD.	6	0	5	0	124	0
21	OIL & NATURAL GAS CORPORATION LTD.	2799	0	0	0	2799	0
22	OIL INDIA LTD.	16	11	16	11	20	11
23	POWER GRID CORPORATION OF INDIA LTD.	6753	273	6753	222	15569	228
24	POWER SYSTEM OPERATION CORPORATION LTD.	1913	56	3922	53	3295	49
25	RAILTEL CORPORATION INDIA LTD.	0	3	0	3	0	2
26	REC POWER DISTRIBUTION CO. LTD.	0	1	0	0	0	0
27	RITES LTD.	0	8	0	8	0	2
28	RURAL ELECTRIFICATION CORPN. LTD.	25	6	21	6	16	7
29	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	2	0	3	0	0
30	URANIUM CORPORATION OF INDIA LTD.	918	7	857	3	852	3
31	WAPCOS LTD.	23	0	0	1	0	1
<b>STATE TOTAL :</b>		<b>31137</b>	<b>1101</b>	<b>27714</b>	<b>1066</b>	<b>34489</b>	<b>1282</b>

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
<b>MIZORAM</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	2	0	2	0	0	4
2	BRIDGE & ROOF CO.(INDIA) LTD.	0	2	0	0	0	0
3	ENGINEERING PROJECTS (INDIA) LTD.	5	3	0	6	5	6
4	HINDUSTAN PETROLEUM CORPN. LTD.	236	0	230	0	252	0
5	HINDUSTAN PREFAB LTD.	0	1	0	4	0	1
6	HOUSING & URBAN DEV. CORPN. LTD.	1	3	1	4	1	4
7	HSCC (INDIA) LTD.	0	2	0	2	0	1
8	INDIAN OIL CORPORATION LTD.	5450	16	4694	18	4409	17
9	IRCON INTERNATIONAL LTD.	5	4	5	4	5	4
10	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	0	1	0	1	0	0
11	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	16	0	0	1	0	0
12	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	19	0	16	0	11
13	NBCC (INDIA) LTD.	0	9	0	11	0	14
14	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	122081	95	99495	100	78966	115
15	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	1	1	1	1	1	1
16	NTPC LTD.	0	2	0	2	0	2
17	OIL & NATURAL GAS CORPORATION LTD.	17457	0	545	0	9882	0
18	OIL INDIA LTD.	2861	7	8122	7	11121	8
19	POWER GRID CORPORATION OF INDIA LTD.	9415	41	9415	37	19147	40
20	RAILTEL CORPORATION INDIA LTD.	0	4	0	2	0	3
<b>STATE TOTAL :</b>		<b>157530</b>	<b>210</b>	<b>122510</b>	<b>216</b>	<b>123789</b>	<b>231</b>

<b>NAGALAND</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	4	4	4	4	0	7
2	BHARAT PETROLEUM CORPN. LTD.	342	1	304	1	32	0
3	CENTRAL WAREHOUSING CORPN.	68	8	65	7	65	7
4	ENGINEERING PROJECTS (INDIA) LTD.	0	1	4	0	0	0
5	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	4	0	3	0	3	0
6	FOOD CORPN. OF INDIA	6813	87	6282	81	5349	368
7	HINDUSTAN PETROLEUM CORPN. LTD.	183	0	190	0	157	0

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
8	HINDUSTAN PREFAB LTD.	0	5	0	1	0	1
9	HOUSING & URBAN DEV. CORPN. LTD.	5	13	52	12	56	12
10	INDIAN OIL CORPORATION LTD.	6606	20	5637	24	6115	25
11	KOHIMA-MARIANI TRANSMISSION LTD.	1414	0	0	0	0	0
12	NAGALAND PULP & PAPER COMPANY LTD.	0	0	0	0	10582	183
13	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	26	0	21	7	0	0
14	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	9	0	14	0	15
15	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	0	0	0	0	1
16	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	74563	204	74105	215	76481	225
17	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	1	2	1	2	1	2
18	OIL & NATURAL GAS CORPORATION LTD.	21634	0	8086	0	13548	0
19	OIL INDIA LTD.	0	9	0	9	0	9
20	POWER GRID CORPORATION OF INDIA LTD.	15869	51	15869	55	13400	52
21	RAILTEL CORPORATION INDIA LTD.	0	1	0	2	0	0
<b>STATE TOTAL :</b>		<b>127532</b>	<b>415</b>	<b>110623</b>	<b>434</b>	<b>125789</b>	<b>907</b>

<b>ORISSA</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	5	9	5	9	0	17
2	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	328	12	325	12	324	13
3	BALMER LAWRIE & CO. LTD.	3	4	13	3	13	5
4	BEML LTD.	116	42	114	48	108	64
5	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	0	3	0	3	1	3
6	BHARAT BROADBAND NETWORK LTD.	12	3	10	2	7	2
7	BHARAT PETROLEUM CORPN. LTD.	33516	143	27967	141	42773	147
8	BHARAT SANCHAR NIGAM LTD.	449615	3396	419322	3618	390837	3829
9	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	0	13	0	9	0	0
10	BRIDGE & ROOF CO.(INDIA) LTD.	3639	110	3287	73	3682	25
11	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	2223	392	1723	411	2309	414
12	CENTRAL WAREHOUSING CORPN.	10733	137	10270	143	9974	143
13	CONTAINER CORPORATION OF INDIA LTD.	8483	10	5733	11	2834	4

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
14	COTTON CORPN. OF INDIA LTD.	22	21	21	22	20	25
15	DREDGING CORPN. OF INDIA LTD.	0	0	0	2	4	3
16	E. C. G. C. LTD.	22	3	22	4	22	4
17	ELECTRONICS CORPN. OF INDIA LTD.	0	0	0	0	3	0
18	ENGINEERING PROJECTS (INDIA) LTD.	5	5	0	3	0	1
19	ENGINEERS INDIA LTD.	0	24	0	19	0	24
20	FERRO SCRAP NIGAM LTD.	1964	160	1811	167	4550	184
21	FERTILIZER CORPN. OF INDIA LTD.	7702	1	7702	2	7701	3
22	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	3	0	3	0	3	0
23	FOOD CORPN. OF INDIA	7086	696	6195	658	5838	2306
24	GAIL (INDIA) LTD.	0	4	0	0	0	0
25	GHOGARPALLI INTEGRATED POWER COMPANY LTD.	543	0	494	0	435	0
26	HINDUSTAN AERONAUTICS LTD.	355787	3567	340699	3622	95194	3704
27	HINDUSTAN ANTIBIOTICS LTD.	0	0	0	3	0	0
28	HINDUSTAN PETROLEUM CORPN. LTD.	37845	103	33453	106	43425	113
29	HINDUSTAN PREFAB LTD.	0	1	0	2	0	1
30	HINDUSTAN STEELWORKS COSTN. LTD.	426	3	290	3	520	4
31	HLL LIFECARE LTD.	0	3	38	5	55	6
32	HOUSING & URBAN DEV. CORPN. LTD.	360	13	359	18	371	19
33	HSCC (INDIA) LTD.	0	3	0	3	0	3
34	I T I LTD.	7	8	3	0	3	8
35	INDIA TOURISM DEV. CORPN. LTD.	422	30	421	34	383	43
36	INDIAN OIL CORPORATION LTD.	4537700	1487	4284865	1294	3912803	1187
37	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	67	72	58	62	87	62
38	INDIAN RARE EARTHS LTD.	31331	748	29326	815	29960	876
39	IRCON INTERNATIONAL LTD.	35	11	4	4	0	1
40	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	12	0	12	0	0
41	KIOCL LTD.	0	8	0	11	0	11
42	M M T C LTD.	374	123	393	136	1822	148
43	M S T C LTD.	1	2	1	1	4	0
44	MAHANADI BASIN POWER LTD.	1927	8	1538	10	1257	10
45	MAHANADI COALFIELDLS LTD.	660651	22017	478372	22378	677349	22240
46	MECON LTD.	195	24	186	27	169	30
47	MINERAL EXPLORATION CORPN. LTD.	355	15	462	56	0	6
48	MJSJ COAL LTD.	7551	3	7967	0	3518	18



		(Gross Block : ₹ in Lakhs)		(Employment in Numbers)			
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
49	MNH SHAKTI LTD.	2815	2	5124	2	5171	16
50	NAGALAND PULP & PAPER COMPANY LTD.	12295	181	12295	181	0	0
51	NATIONAL ALUMINIUM COMPANY LTD.	737947	6819	707694	6973	1516345	7192
52	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	6	5	1	6	1	3
53	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	21	8	12	14	7	16
54	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	1	2	1	2	1	2
55	NATIONAL SEEDS CORPN. LTD.	0	5	0	5	0	6
56	NATIONAL SMALL INDUSTRIES CORPN. LTD.	4099	21	2543	20	660	20
57	NATIONAL TEXTILE CORPN. LTD.	303	4	301	0	303	49
58	NBCC (INDIA) LTD.	7	62	7	72	1	74
59	NLC INDIA LTD.	4	5	0	0	0	0
60	NMDC Ltd.	5	4	5	4	7	3
61	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	50	13
62	NTPC LTD.	1134111	1857	842077	1938	1126158	2012
63	NUMALIGARH REFINERY LTD.	0	0	1	0	20	0
64	ODISHA INFRAPOWER LTD.	20	0	16	0	11	0
65	OIL & NATURAL GAS CORPORATION LTD.	673	0	0	0	673	0
66	OIL INDIA LTD.	3	59	7	70	329	72
67	ORISSA DRUGS & CHEMICALS LTD.	590	61	590	61	584	61
68	ORISSA INTEGRATED POWER LTD.	29094	0	25371	0	21377	0
69	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	5184	401	5679	459	15829	564
70	POWER GRID CORPORATION OF INDIA LTD.	864142	378	749528	347	719033	352
71	RAIL VIKAS NIGAM LTD.	386	59	349	37	0	35
72	RAILTEL CORPORATION INDIA LTD.	0	8	0	11	0	8
73	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	13	0	13	0	17	0
74	RASHTRIYA ISPAT NIGAM LTD.	86	8	86	8	86	8
75	rites LTD.	772	88	730	76	194	81
76	RURAL ELECTRIFICATION CORPN. LTD.	201	10	194	13	187	13
77	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	575	0	575	0	502	0
78	SJVN LTD.	0	14	0	15	0	14
79	STEEL AUTHORITY OF INDIA LTD.	2413181	16589	2415085	17650	2161437	18181
80	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	9	3	8	2	6	4

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
81	THE BISRA STONE LIME COMPANY LTD.	1614	722	153	763	1846	784
82	THE JUTE CORPN. OF INDIA LTD.	2	9	2	23	2	31
83	UTKAL ASHOK HOTEL CORPN. LTD.	289	0	288	0	288	23
84	WAPCOS LTD.	240	23	180	14	102	8
<b>STATE TOTAL :</b>		<b>11369742</b>	<b>60856</b>	<b>10432367</b>	<b>62728</b>	<b>10809585</b>	<b>65351</b>

<b>OTHERS AND UNALLOCATED</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	0	0	0	30844	2338
2	AIR INDIA EXPRESS LTD.	102	0	0	0	0	0
3	AIRPORTS AUTHORITY OF INDIA	2388109	17489	108052	1749	77496	0
4	BHARAT BROADBAND NETWORK LTD.	175761	0	116370	0	14012	0
5	BHARAT PETRO RESOURCES LTD.	7703	0	6945	0	6774	0
6	BHARAT PETROLEUM CORPN. LTD.	0	3	0	6	0	4
7	BHARAT PUMPS & COMPRESSORS LTD.	0	0	23	0	0	0
8	BHARAT SANCHAR NIGAM LTD.	5207590	31240	6012692	18875	286380	20106
9	BRIDGE & ROOF CO.(INDIA) LTD.	2510	0	5822	0	1458	0
10	BURN STANDARD COMPANY LTD.	0	0	176	0	0	0
11	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	0	0	0	0	101	0
12	CENTRAL WAREHOUSING CORPN.	0	214	0	0	0	0
13	COASTAL TAMIL NADU POWER LTD.	0	0	5	0	0	0
14	CONTAINER CORPORATION OF INDIA LTD.	233596	0	208897	0	297334	0
15	ENGINEERING PROJECTS (INDIA) LTD.	71	18	70	19	28	20
16	ENGINEERS INDIA LTD.	703	94	550	173	515	190
17	GAIL (INDIA) LTD.	114328	8	114806	7	129842	8
18	HINDUSTAN PETROLEUM CORPN. LTD.	17833	0	33676	0	30652	0
19	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	0	3	0	0	0	0
20	HINDUSTAN PREFAB LTD.	0	84	0	0	0	0
21	HINDUSTAN SALTS LTD.	0	0	4	0	0	0
22	HLL LIFECARE LTD.	0	0	12704	0	0	0
23	HOTEL CORPN. OF INDIA LTD.	0	0	36	0	0	0
24	HPCL RAJASTHAN REFINERY LTD.	2834	0	2769	0	0	0
25	HSCC (INDIA) LTD.	0	0	0	0	0	1
26	INDIAN DRUGS & PHARMACEUTICALS LTD.	0	0	0	0	1183	25
27	INDIAN OIL CORPORATION LTD.	13937	0	22490	0	22661	0

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
28	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	0	0	832	0	507	0
29	IRCON INFRASTRUCTURE & SERVICES LTD.	1267	0	1266	14	1267	9
30	IRCON INTERNATIONAL LTD.	24235	94	31426	159	28849	225
31	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	0	0	6
32	MECON LTD.	0	0	0	0	0	1
33	NATIONAL FERTILIZERS LTD.	0	364	0	357	0	0
34	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	9	0	0	0	0	0
35	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	15625	0	8737	0	8048	0
36	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	1	0	1	0	1
37	NBCC (INDIA) LTD.	-170	3	0	2	0	1
38	NHPC LTD.	0	15	0	9	0	6
39	NMDC Ltd.	42	5	43	8	42	5
40	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	266	0	266	0	266	0
41	NTPC LTD.	0	0	0	2	0	7
42	NUMALIGARH REFINERY LTD.	0	0	0	0	461	0
43	OIL & NATURAL GAS CORPORATION LTD.	7414579	0	9918696	0	6019485	0
44	OIL INDIA LTD.	22496	75	23346	75	30400	75
45	ONGC VIDESH LTD.	10577543	1923	10699310	1884	11572338	1881
46	POWER GRID CORPORATION OF INDIA LTD.	0	8	0	8	27	11
47	RAILTEL CORPORATION INDIA LTD.	35925	0	26171	0	0	0
48	BITES LTD.	3557	24	0	31	0	38
49	SHIPPING CORPORATION OF INDIA LTD.	7	2	7	2	52	3
50	SJVN LTD.	0	7	2	7	8	9
51	STEEL AUTHORITY OF INDIA LTD.	0	1	0	1	0	2
52	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	5030	211	4703	223	3789	248
53	WAPCOS LTD.	163	93	142	111	84	98
54	WESTERN COALFIELDS LTD.	0	0	0	7	0	14
<b>STATE TOTAL :</b>		<b>26265651</b>	<b>51979</b>	<b>27361034</b>	<b>23730</b>	<b>18564903</b>	<b>25332</b>

#### PONDICHERRY

1	BHARAT BROADBAND NETWORK LTD.	0	2	0	0	0	0
2	CENTRAL WAREHOUSING CORPN.	40	13	38	2	38	2

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
3	GAIL (INDIA) LTD.	18734	31	14096	30	14749	25
4	HINDUSTAN PETROLEUM CORPN. LTD.	1926	0	1759	0	7	0
5	HLL LIFECARE LTD.	0	0	2	0	0	0
6	HOUSING & URBAN DEV. CORPN. LTD.	1	8	1	8	1	9
7	INDIA TOURISM DEV. CORPN. LTD.	0	1	0	0	0	3
8	INDIAN OIL CORPORATION LTD.	4117	20	2889	20	15849	19
9	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	1	0	0	0	1
10	NATIONAL SMALL INDUSTRIES CORPN. LTD.	37	5	37	6	36	5
11	NATIONAL TEXTILE CORPN. LTD.	722	241	718	248	3447	253
12	OIL & NATURAL GAS CORPORATION LTD.	0	1541	0	1497	0	1288
13	PONDICHERRY ASHOK HOTEL CORPN. LTD.	395	16	374	19	367	19
14	POWER GRID CORPORATION OF INDIA LTD.	20664	16	20635	16	4456	20
15	RAILTEL CORPORATION INDIA LTD.	0	0	0	1	0	0
16	BITES LTD.	0	2	0	1	0	2
<b>STATE TOTAL :</b>		<b>46636</b>	<b>1897</b>	<b>40549</b>	<b>1848</b>	<b>38950</b>	<b>1646</b>

<b>PUNJAB</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	62	8	62	8	0	79
2	AIR INDIA LTD.	0	0	0	0	0	10
3	AIRLINE ALLIED SERVICES LTD.	3	0	3	0	3	0
4	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	276	6	273	6	273	5
5	BALMER LAWRIE & CO. LTD.	0	2	0	3	0	1
6	BHARAT BROADBAND NETWORK LTD.	21	1	18	1	16	2
7	BHARAT HEAVY ELECTRICALS LTD.	1926	249	1747	260	3747	267
8	BHARAT PETROLEUM CORPN. LTD.	41564	208	36934	207	55571	208
9	BHARAT SANCHAR NIGAM LTD.	837924	7146	846563	7676	734786	8156
10	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	0	0	0	18	0	0
11	BRIDGE & ROOF CO.(INDIA) LTD.	16	19	11	9	421	4
12	BRITISH INDIA CORPORATION LTD.	1643	444	1940	509	1999	592
13	CENTRAL WAREHOUSING CORPN.	8555	270	8274	186	8200	201
14	CONTAINER CORPORATION OF INDIA LTD.	5867	54	4936	45	7415	44
15	COTTON CORPN. OF INDIA LTD.	214	44	212	64	215	69
16	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	0	33	0	3	1551	0

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
17	DREDGING CORPN. OF INDIA LTD.	0	0	0	4	0	5
18	E. C. G. C. LTD.	148	10	148	12	149	13
19	ENGINEERS INDIA LTD.	0	22	0	3	0	0
20	FOOD CORPN. OF INDIA	19417	3486	18377	2885	16728	16767
21	GAIL (INDIA) LTD.	3245	17	2967	16	2206	10
22	GAIL GAS LTD.	34761	0	0	1	0	1
23	HINDUSTAN ANTIBIOTICS LTD.	0	0	0	5	0	0
24	HINDUSTAN INSECTICIDES LTD.	1658	152	1544	179	1577	191
25	HINDUSTAN PETROLEUM CORPN. LTD.	103373	138	99671	143	118731	152
26	HINDUSTAN PREFAB LTD.	0	2	0	2	0	0
27	HMT LTD.	146	0	146	7	150	6
28	HSCC (INDIA) LTD.	0	3	0	4	0	4
29	I T I LTD.	0	0	0	14	0	2
30	INDIAN OIL CORPORATION LTD.	111923	559	94665	491	191020	510
31	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	0	16	0	15	0	15
32	INSTRUMENTATION LTD.	17	1	0	1	4	1
33	IRCON INTERNATIONAL LTD.	0	0	0	0	1	0
34	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	6	0	9	0	14
35	M M T C LTD.	0	6	0	6	0	0
36	NATIONAL FERTILIZERS LTD.	256956	1701	234411	1762	336821	1929
37	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1	2	1	2	1	2
38	NATIONAL SEEDS CORPN. LTD.	0	8	0	10	0	12
39	NATIONAL SMALL INDUSTRIES CORPN. LTD.	210	30	201	34	174	29
40	NATIONAL TEXTILE CORPN. LTD.	30	5	30	6	564	10
41	NBCC (INDIA) LTD.	0	3	0	6	2	12
42	NHPC LTD.	0	52	0	64	0	86
43	NUMALIGARH REFINERY LTD.	0	0	0	0	96	0
44	OIL & NATURAL GAS CORPORATION LTD.	1830	0	30	0	180	0
45	OIL INDIA LTD.	0	18	0	17	0	19
46	POWER GRID CORPORATION OF INDIA LTD.	360858	145	336229	150	447938	176
47	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	23642	0	15422	0	10245	0
48	RAIL VIKAS NIGAM LTD.	49	10	0	0	0	0
49	RAILTEL CORPORATION INDIA LTD.	0	1	0	5	0	3
50	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	4	12	4	9	11	9
51	RASHTRIYA ISPAT NIGAM LTD.	292	10	206	10	83	10

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
52	BITES LTD.	0	10	0	8	0	13
53	SCOOTERS INDIA LTD.	0	0	0	0	0	1
54	SJVN LTD.	0	18	0	18	0	19
55	STATE TRADING CORPN. OF INDIA LTD.	837	9	1	9	0	8
56	STEEL AUTHORITY OF INDIA LTD.	496	37	545	45	545	44
57	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	7768	43	7800	40	7935	36
58	WAPCOS LTD.	2	0	0	0	0	0
<b>STATE TOTAL :</b>		<b>1825734</b>	<b>15016</b>	<b>1713371</b>	<b>14987</b>	<b>1949358</b>	<b>29747</b>

<b>RAJASTHAN</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	22	0	22	0	35
2	AIR INDIA LTD.	0	0	0	0	116723	20
3	BEML LTD.	11	24	11	29	11	39
4	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	2	2	2	2	1	2
5	BHARAT BROADBAND NETWORK LTD.	445	7	430	6	18	6
6	BHARAT PETRO RESOURCES LTD.	0	0	0	0	2117	0
7	BHARAT PETROLEUM CORPN. LTD.	75616	303	68000	317	111242	302
8	BHARAT SANCHAR NIGAM LTD.	909684	8671	903004	9239	732913	9753
9	BRIDGE & ROOF CO.(INDIA) LTD.	5	3	0	4	4	4
10	CENTRAL WAREHOUSING CORPN.	12836	117	11813	126	11473	133
11	COAL INDIA LTD.	1	5	2	6	2	5
12	CONTAINER CORPORATION OF INDIA LTD.	30356	68	22394	48	29127	41
13	COTTON CORPN. OF INDIA LTD.	170	45	164	61	154	65
14	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	293827	96	173827	90	28233	77
15	DREDGING CORPN. OF INDIA LTD.	0	0	0	2	0	3
16	E. C. G. C. LTD.	113	10	114	10	116	12
17	ELECTRONICS CORPN. OF INDIA LTD.	0	0	0	0	1	0
18	ENGINEERING PROJECTS (INDIA) LTD.	414	5	436	3	435	5
19	ENGINEERS INDIA LTD.	0	6	0	10	0	9
20	FATEHGARH BHADLA TRANSMISSION LTD	40	0	0	0	0	0
21	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	1653	45	1590	48	1015	55
22	FOOD CORPN. OF INDIA	8096	1208	7336	1214	6609	2747
23	GAIL (INDIA) LTD.	57374	162	53340	164	131035	152
24	GAIL GAS LTD.	7514	0	7576	13	7454	8



		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
25	HINDUSTAN ANTIBIOTICS LTD.	2	10	2	12	2	12
26	HINDUSTAN COPPER LTD.	18986	1408	19720	1676	59415	1964
27	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	0	0	1
28	HINDUSTAN PETROLEUM CORPN. LTD.	113565	227	102766	227	167733	224
29	HINDUSTAN PREFAB LTD.	0	8	0	0	0	0
30	HINDUSTAN SALTS LTD.	226	24	183	28	182	38
31	HMT MACHINE TOOLS LTD.	3574	122	3465	150	3231	187
32	HOUSING & URBAN DEV. CORPN. LTD.	730	22	732	22	725	24
33	HPCL RAJASTHAN REFINERY LTD.	0	0	0	0	2760	0
34	HSCC (INDIA) LTD.	0	4	0	0	0	0
35	I T I LTD.	0	15	0	27	0	11
36	INDIA TOURISM DEV. CORPN. LTD.	608	32	624	34	505	43
37	INDIAN OIL CORPORATION LTD.	351822	965	298579	949	411884	925
38	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	116	38	116	33	65	33
39	INSTRUMENTATION LTD.	5650	372	5671	492	5496	616
40	IRCON INFRASTRUCTURE & SERVICES LTD.	908	0	908	0	908	0
41	IRCON INTERNATIONAL LTD.	4356	61	3905	68	52	48
42	IRCON PB TOLLWAY LTD.	22378	0	4588	9	0	0
43	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	15	0	18	0	9
44	M M T C LTD.	83	19	77	21	149	25
45	M S T C LTD.	1	3	0	0	0	0
46	MECON LTD.	0	0	0	0	0	1
47	MINERAL EXPLORATION CORPN. LTD.	1090	92	1077	118	857	110
48	NATIONAL ALUMINIUM COMPANY LTD.	59909	0	32393	0	28375	0
49	NATIONAL FERTILIZERS LTD.	0	0	0	0	14	12
50	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1	1	0	1	0	1
51	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	2	2	2	3	2	4
52	NATIONAL SEEDS CORPN. LTD.	17430	632	16163	643	10995	693
53	NATIONAL SMALL INDUSTRIES CORPN. LTD.	90	23	86	25	79	23
54	NATIONAL TEXTILE CORPN. LTD.	94	44	93	69	625	75
55	NBCC (INDIA) LTD.	2	43	32	39	2	40
56	NHPC LTD.	32967	5	30599	4	0	0
57	NLC INDIA LTD.	184867	423	106996	402	196171	379
58	NTPC LTD.	188733	196	36090	193	106019	208

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
59	NUCLEAR POWER CORPN. OF INDIA LTD.	988416	2372	838564	2423	876726	2504
60	NUMALIGARH REFINERY LTD.	0	0	0	0	8	0
61	OIL & NATURAL GAS CORPORATION LTD.	128649	184	12909	180	98589	169
62	OIL INDIA LTD.	78308	108	52577	109	85779	110
63	P E C LTD.	0	1	0	2	0	5
64	POWER GRID CORPORATION OF INDIA LTD.	730277	286	599618	233	685656	238
65	RAIL VIKAS NIGAM LTD.	80	11	44	15	0	13
66	RAILTEL CORPORATION INDIA LTD.	0	8	0	9	0	6
67	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	15328	0	15328	0	1452	0
68	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	2261	160	2261	160	0	0
69	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	4316	170	3488	186	3426	194
70	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	3	4	3	3	7	3
71	RASHTRIYA ISPAT NIGAM LTD.	122	13	122	12	31	11
72	REC POWER DISTRIBUTION CO. LTD.	2	1	5	0	5	1
73	MITES LTD.	0	19	0	14	0	10
74	RURAL ELECTRIFICATION CORPN. LTD.	347	16	327	19	318	18
75	SAMBHAR SALTS LTD.	3576	110	3381	107	3229	118
76	SCOOTERS INDIA LTD.	0	1	0	1	0	1
77	SJVN LTD.	0	26	0	26	0	26
78	SOLAR ENERGY CORPORATION OF INDIA	6249	0	6038	0	0	0
79	STEEL AUTHORITY OF INDIA LTD.	867	23	875	29	657	29
80	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	140	36	46	29	21	20
81	URANIUM CORPORATION OF INDIA LTD.	6	1	6	1	5	0
82	WAPCOS LTD.	132	16	58	14	39	17
<b>STATE TOTAL :</b>		<b>4365426</b>	<b>19171</b>	<b>3450556</b>	<b>20249</b>	<b>3930877</b>	<b>22672</b>

<b>SIKKIM</b>							
1	BHARAT PETROLEUM CORPN. LTD.	44	0	44	0	96	0
2	ENGINEERING PROJECTS (INDIA) LTD.	0	0	0	0	0	1
3	FOOD CORPN. OF INDIA	0	50	0	0	0	0
4	HINDUSTAN PETROLEUM CORPN. LTD.	169	0	159	0	141	0
5	HOUSING & URBAN DEV. CORPN. LTD.	0	3	0	3	0	3

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
6	INDIAN OIL CORPORATION LTD.	4918	20	4062	22	8413	21
7	IRCON INTERNATIONAL LTD.	0	14	0	0	0	0
8	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	0	0	15
9	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	16	0	15	8	0	0
10	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	0	0	0	1	0
11	NBCC (INDIA) LTD.	0	7	1	9	0	8
12	NHPC LTD.	239216	385	236954	480	351099	525
13	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	5	5	5	5	5	5
14	NTPC LTD.	19339	0	11155	0	8200	0
15	POWER GRID CORPORATION OF INDIA LTD.	74042	37	72232	25	75326	28
16	WAPCOS LTD.	0	1	0	1	0	0
<b>STATE TOTAL :</b>		<b>337749</b>	<b>522</b>	<b>324627</b>	<b>553</b>	<b>443281</b>	<b>606</b>

<b>TAMILNADU</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	3701	245	3701	245	0	636
2	AIR INDIA EXPRESS LTD.	53	30	0	55	0	75
3	AIR INDIA LTD.	0	0	0	0	587663	1836
4	AIRLINE ALLIED SERVICES LTD.	13	0	14	0	14	0
5	AIRPORTS AUTHORITY OF INDIA	0	0	677025	3400	676015	3413
6	ANDREW YULE & COMPANY LTD.	520	120	745	121	730	103
7	BALMER LAWRIE & CO. LTD.	7393	237	10609	246	16155	243
8	BEML LTD.	81	41	78	47	78	47
9	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	2	3	2	3	3	4
10	BHARAT BROADBAND NETWORK LTD.	21	0	16	4	19	5
11	BHARAT ELECTRONICS LTD.	7543	308	5828	299	10788	269
12	BHARAT HEAVY ELECTRICALS LTD.	155445	12401	152621	13231	347789	14136
13	BHARAT PETRO RESOURCES LTD.	18016	0	13321	3	11226	3
14	BHARAT PETROLEUM CORPN. LTD.	131554	678	123876	699	156205	751
15	BHARAT PUMPS & COMPRESSORS LTD.	1	1	1	2	1	2
16	BHARAT SANCHAR NIGAM LTD.	1459917	13816	1481509	22306	1820676	24303
17	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	569110	417	535639	397	500478	403
18	BRIDGE & ROOF CO.(INDIA) LTD.	1100	62	1088	80	1200	49
19	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	309	6	326	6	328	8

		(Gross Block : ₹ in Lakhs)		(Employment in Numbers)			
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
20	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	3484	3	3472	2	3334	1
21	CENTRAL WAREHOUSING CORPN.	7824	148	7376	206	7185	213
22	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	11	4	10	4	18	2
23	CHENNAI PETROLEUM CORPORATION LTD.	722535	1645	1017242	1633	900643	1624
24	CHEYUR INFRA LTD.	4	0	2	0	1	0
25	COAL INDIA LTD.	2	6	2	6	4	7
26	COASTAL TAMIL NADU POWER LTD.	18172	0	8140	0	6769	0
27	CONTAINER CORPORATION OF INDIA LTD.	9497	86	7643	91	15455	102
28	COTTON CORPN. OF INDIA LTD.	36	21	38	22	35	26
29	DREDGING CORPN. OF INDIA LTD.	0	0	0	50	43	56
30	E. C. G. C. LTD.	2078	83	2075	89	2035	90
31	ELECTRONICS CORPN. OF INDIA LTD.	29	43	31	50	65	55
32	ENGINEERING PROJECTS (INDIA) LTD.	99	26	145	27	88	28
33	ENGINEERS INDIA LTD.	3267	81	4073	105	7234	125
34	FERRO SCRAP NIGAM LTD.	0	1	0	1	0	0
35	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	46	27	46	36	46	36
36	FOOD CORPN. OF INDIA	10274	1140	8995	1098	7677	3211
37	GAIL (INDIA) LTD.	30999	26	31406	26	41234	29
38	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	7336	26	455	30	458	33
39	HINDUSTAN AERONAUTICS LTD.	0	4	0	4	0	0
40	HINDUSTAN ANTIBIOTICS LTD.	4	15	4	14	4	16
41	HINDUSTAN CABLES LTD.	0	0	16678	492	0	0
42	HINDUSTAN INSECTICIDES LTD.	4	7	4	8	4	10
43	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	0	4	2
44	HINDUSTAN PETROLEUM CORPN. LTD.	125635	441	115043	467	155571	499
45	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	71578	167	71577	217	71577	348
46	HINDUSTAN STEELWORKS COSTN. LTD.	30	0	29	0	29	0
47	HLL BIOTECH LTD.	40791	157	26266	71	8311	39
48	HLL LIFECARE LTD.	939	63	629	70	101	62
49	HLL MEDIPARK LTD	1	2	0	0	0	0
50	HOUSING & URBAN DEV. CORPN. LTD.	1242	41	1265	40	1267	41
51	I T I LTD.	92	13	84	27	84	39
52	IDPL (TAMILNADU) LTD.	5970	112	5994	124	6020	124
53	INDIA TOURISM DEV. CORPN. LTD.	42	9	40	11	38	15

		(Gross Block : ₹ in Lakhs)		(Employment in Numbers)			
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
54	INDIA TRADE PROMOTION ORGANISATION	81	10	81	10	80	10
55	INDIAN DRUGS & PHARMACEUTICALS LTD.	0	0	0	1	0	0
56	INDIAN OIL CORPORATION LTD.	342371	1654	305836	1683	508483	1748
57	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	858	113	2835	74	2776	74
58	INDIAN RARE EARTHS LTD.	6837	283	6813	298	6670	318
59	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	166	1	2	2	0	2
60	IRCON INFRASTRUCTURE & SERVICES LTD.	1061	0	1061	0	1061	0
61	IRCON INTERNATIONAL LTD.	0	0	0	0	14	1
62	KAMARAJAR PORT LTD.	244394	103	210949	101	172049	102
63	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	31	0	32	0	37
64	M M T C LTD.	4072	91	4067	108	2384	109
65	M S T C LTD.	11	17	29	20	35	20
66	MADRAS FERTILIZERS LTD.	98292	612	97642	652	96484	614
67	MANGALORE REFINERY & PETROCHEMICALS LTD.	423	0	423	0	603	0
68	MECON LTD.	1	4	1	3	3	8
69	MINERAL EXPLORATION CORPN. LTD.	292	29	537	66	203	24
70	MISHRA DHATU NIGAM LTD.	1	1	1	0	0	0
71	MUMBAI RAILWAY VIKAS CORPORATION LTD.	0	1	0	1	0	0
72	NATIONAL ALUMINIUM COMPANY LTD.	25	9	0	10	61	9
73	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	0	1	0	1	0	1
74	NATIONAL FILM DEV. CORPN. LTD.	532	18	531	22	530	18
75	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	69	24	70	26	68	30
76	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	2	0	26	112	5
77	NATIONAL SEEDS CORPN. LTD.	206	15	181	16	172	14
78	NATIONAL SMALL INDUSTRIES CORPN. LTD.	1773	56	1699	66	1583	74
79	NATIONAL TEXTILE CORPN. LTD.	36456	1972	36245	1962	44112	2145
80	NBCC (INDIA) LTD.	0	41	1	35	0	40
81	NEYVELI UTTAR PRADESH POWER LTD	0	1	0	1	0	3
82	NHPC LTD.	0	4	0	2	0	0
83	NLC INDIA LTD.	1409608	14512	1166134	15410	1749664	16000
84	NLC TAMIL NADU POWER LTD.	693711	233	688499	232	664882	186

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
85	NMDC Ltd.	11	3	9	3	11	3
86	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	16	4	15	4	10	4
87	NTPC LTD.	1816	78	1712	81	1791	80
88	NUCLEAR POWER CORPN. OF INDIA LTD.	2433028	1728	2251927	1706	2188687	1689
89	OIL & NATURAL GAS CORPORATION LTD.	597622	648	252391	672	512701	699
90	OIL INDIA LTD.	0	8	0	13	192	12
91	P E C LTD.	7	7	0	4	0	6
92	POWER FINANCE CORPORATION LTD.	157	5	157	5	140	5
93	POWER GRID CORPORATION OF INDIA LTD.	688352	288	603412	284	646805	286
94	POWERGRID NM TRANSMISSION LTD.	92848	0	0	0	17536	0
95	PROJECTS & DEVELOPMENT INDIA LTD.	0	0	0	0	20	7
96	RAIL VIKAS NIGAM LTD.	236	29	219	28	0	29
97	RAILTEL CORPORATION INDIA LTD.	0	19	0	22	0	10
98	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	4	0	4	0	5
99	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	1076	9	1076	11	1283	11
100	RASHTRIYA ISPAT NIGAM LTD.	1619	26	1618	29	1618	30
101	RICHARDSON & CRUDDAS(1972) LTD.	316	0	0	0	0	0
102	RITES INFRASTRUCTURE SERVICES LTD.	0	0	171	0	145	0
103	RITES LTD.	323	70	131	71	118	70
104	RURAL ELECTRIFICATION CORPN. LTD.	224	14	211	14	216	15
105	SAIL REFRACTORY COMPANY LTD.	2476	204	2517	207	2492	232
106	SCOOTERS INDIA LTD.	0	2	0	1	0	4
107	SETHUSAMUDRAM CORPN. LTD.	71034	0	70942	1	70984	15
108	SHIPPING CORPORATION OF INDIA LTD.	27	44	24	44	110	44
109	SJVN LTD.	0	2	0	3	0	3
110	STATE TRADING CORPN. OF INDIA LTD.	2639	43	2646	49	2751	55
111	STEEL AUTHORITY OF INDIA LTD.	364219	1235	348890	1347	343294	1389
112	TAMIL NADU TRADE PROMOTION ORGANISATION	4863	6	4577	5	7178	5
113	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	67	20	67	22	76	20
114	WAPCOS LTD.	36	14	37	15	35	15
<b>STATE TOTAL :</b>		<b>10521052</b>	<b>57110</b>	<b>10401549</b>	<b>71670</b>	<b>12414924</b>	<b>79454</b>



		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
<b>TELANGANA</b>							
1	AIR INDIA AIR 'TRANSPORT' SERVICES LTD.	0	3	0	3	0	37
2	AIRLINE ALLIED SERVICES LTD.	1	0	0	0	0	0
3	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	2	3	0	2	0	3
4	BALMER LAWRIE & CO. LTD.	1980	21	0	0	0	0
5	BEML LTD.	22	87	598	87	578	103
6	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	1	2	1	3	0	0
7	BHARAT BROADBAND NETWORK LTD.	9	1	8	5	8	4
8	BHARAT DYNAMICS LTD.	89944	3098	76105	3048	100098	3087
9	BHARAT HEAVY ELECTRICALS LTD.	104248	4933	101141	5297	218976	5800
10	BHARAT PETROLEUM CORPN. LTD.	40494	139	36545	138	53966	137
11	BRIDGE & ROOF CO.(INDIA) LTD.	313	9	271	0	0	0
12	CEMENT CORPN. OF INDIA LTD.	30933	236	6701	67	6701	74
13	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	527	2	527	2	445	1
14	CENTRAL WAREHOUSING CORPN.	60	45	45	240	48	293
15	COAL INDIA LTD.	1	5	1	3	0	0
16	CONTAINER CORPORATION OF INDIA LTD.	3593	51	3571	45	5551	48
17	COTTON CORPN. OF INDIA LTD.	175	141	160	138	145	152
18	DREDGING CORPN. OF INDIA LTD.	0	20	0	12	0	12
19	E. C. G. C. LTD.	153	12	155	12	0	0
20	ELECTRONICS CORPN. OF INDIA LTD.	19421	1913	16738	2139	31180	2436
21	ENGINEERING PROJECTS (INDIA) LTD.	11	12	0	0	0	0
22	ENGINEERS INDIA LTD.	0	16	0	0	0	0
23	FERTILIZER CORPN. OF INDIA LTD.	4723	1	4723	1	0	0
24	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	0	9	0	0	0	0
25	FOOD CORPN. OF INDIA	8172	0	0	0	0	0
26	GAIL (INDIA) LTD.	0	47	0	17	0	40
27	HINDUSTAN AERONAUTICS LTD.	158410	1910	151402	2003	44031	2205
28	HINDUSTAN ANTIBIOTICS LTD.	0	0	0	1	0	0
29	HINDUSTAN CABLES LTD.	16678	0	0	0	16677	589
30	HINDUSTAN FLUOROCARBONS LIMITED	8094	124	8085	141	7634	151
31	HINDUSTAN PETROLEUM CORPN. LTD.	77320	325	65969	314	10468	0
32	HINDUSTAN STEELWORKS COSTN. LTD.	1	0	0	0	1	0

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
33	HMT BEARINGS LTD.	9	0	84	3	2973	55
34	HMT LTD.	490	0	491	40	0	0
35	HMT MACHINE TOOLS LTD.	8896	489	8971	578	0	0
36	HOUSING & URBAN DEV. CORPN. LTD.	179	23	170	24	22	27
37	HSCC (INDIA) LTD.	0	3	0	0	0	0
38	I T I LTD.	0	18	0	18	0	0
39	INDIA TOURISM DEV. CORPN. LTD.	1	0	0	0	0	0
40	INDIAN DRUGS & PHARMACEUTICALS LTD.	7720	4	7336	4	0	0
41	INDIAN OIL CORPORATION LTD.	37945	424	34916	435	53967	398
42	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	0	0	62	0	0	0
43	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	6	2	6	2	0	2
44	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	9	0	17	0	3
45	M M T C LTD.	0	31	0	32	104	34
46	M S T C LTD.	19	22	6	7	0	0
47	MADRAS FERTILIZERS LTD.	18	9	20	11	20	12
48	MECON LTD.	0	2	0	1	0	1
49	MINERAL EXPLORATION CORPN. LTD.	4	11	0	9	181	6
50	MISHRA DHATU NIGAM LTD.	36525	750	28366	772	0	0
51	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	37	11	2	14	2	0
52	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	11	0	2	0	0
53	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	1	2	0	0	0	0
54	NATIONAL SEEDS CORPN. LTD.	1580	27	1578	39	1582	67
55	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	34	0	36	0	32
56	NBCC (INDIA) LTD.	0	10	3	14	0	23
57	NLC INDIA LTD.	8	4	0	0	0	0
58	NMDC Ltd.	52737	529	21430	550	0	578
59	NTPC LTD.	284480	1180	248804	1224	450672	1298
60	OIL INDIA LTD.	0	1	0	0	0	0
61	POWER GRID CORPORATION OF INDIA LTD.	356645	308	165538	251	117247	116
62	POWERGRID VIZAG TRANSMISSION LTD.	2422	0	2422	0	0	0
63	RAILTEL CORPORATION INDIA LTD.	0	60	0	27	0	35
64	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	18	12	11	2	40	2
65	RASHTRIYA ISPAT NIGAM LTD.	8037	184	7546	208	7623	218

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
66	REC POWER DISTRIBUTION CO. LTD.	0	1	0	0	0	0
67	RITES LTD.	182	42	181	0	0	0
68	RURAL ELECTRIFICATION CORPN. LTD.	429	34	402	35	417	36
69	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	16056	915	14223	976	33494	1049
70	STEEL AUTHORITY OF INDIA LTD.	2995	35	2998	38	435	8
71	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	0	0	3	0	0
72	URANIUM CORPORATION OF INDIA LTD.	0	0	758	0	772	0
73	WAPCOS LTD.	0	13	0	0	0	0
<b>STATE TOTAL :</b>		<b>1382725</b>	<b>18375</b>	<b>1019070</b>	<b>19090</b>	<b>1166058</b>	<b>19172</b>

<b>TRIPURA</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	4	7	4	7	0	19
2	BHARAT BROADBAND NETWORK LTD.	236	0	221	0	221	0
3	BHARAT PETROLEUM CORPN. LTD.	285	2	285	3	351	1
4	BRIDGE & ROOF CO.(INDIA) LTD.	0	1	0	2	0	2
5	CENTRAL WAREHOUSING CORPN.	363	19	351	13	300	17
6	CONTAINER CORPORATION OF INDIA LTD.	727	0	220	0	17	0
7	ENGINEERING PROJECTS (INDIA) LTD.	5	4	4	6	4	6
8	GAIL (INDIA) LTD.	19491	26	28952	26	31896	20
9	HINDUSTAN CABLES LTD.	0	0	9718	183	0	0
10	HINDUSTAN PREFAB LTD.	0	0	0	2	0	0
11	HINDUSTAN STEELWORKS COSTN. LTD.	59	0	59	0	58	1
12	HOUSING & URBAN DEV. CORPN. LTD.	1	2	1	2	1	3
13	INDIAN OIL CORPORATION LTD.	13453	46	9986	51	11186	55
14	IRCON INTERNATIONAL LTD.	0	5	0	0	0	0
15	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	0	1	0	1	0	1
16	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	5	0	2	13	0	0
17	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	25	23	45	22	111	30
18	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	1	0	1	0	0
19	NATIONAL TEXTILE CORPN. LTD.	0	0	0	0	405	133
20	NBCC (INDIA) LTD.	2	46	13	46	14	68

		(Gross Block : ₹ in Lakhs)		(Employment in Numbers)			
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
21	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	181837	197	178172	201	164220	223
22	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	396	19	396	19	396	19
23	OIL & NATURAL GAS CORPORATION LTD.	535692	1062	258558	953	451925	889
24	OIL INDIA LTD.	0	12	0	12	0	12
25	POWER GRID CORPORATION OF INDIA LTD.	31067	18	31067	16	33275	17
26	RAILTEL CORPORATION INDIA LTD.	0	1	0	3	0	2
27	REC POWER DISTRIBUTION CO. LTD.	1	0	0	0	24	0
28	RITES LTD.	0	0	0	1	0	1
29	SJVN LTD.	0	1	0	1	0	2
30	STEEL AUTHORITY OF INDIA LTD.	0	1	0	1	0	0
31	THE JUTE CORPN. OF INDIA LTD.	1	8	1	25	1	28
<b>STATE TOTAL :</b>		<b>783650</b>	<b>1502</b>	<b>518055</b>	<b>1610</b>	<b>694405</b>	<b>1549</b>

<b>UTTAR PRADESH</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	18	0	18	0	58
2	AIR INDIA EXPRESS LTD.	0	1	0	1	0	1
3	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	3344	240	2853	241	2167	260
4	BALMER LAWRIE & CO. LTD.	1	9	7	10	6	9
5	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	378	9	378	10	1819	12
6	BHARAT BROADBAND NETWORK LTD.	32	13	28	8	27	8
7	BHARAT ELECTRONICS LTD.	34955	1683	30929	1796	49132	1861
8	BHARAT HEAVY ELECTRICALS LTD.	50040	4340	49156	4612	113833	4509
9	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	4585	112	4541	112	4543	115
10	BHARAT PETROLEUM CORPN. LTD.	132987	983	113320	998	174321	1001
11	BHARAT PUMPS & COMPRESSORS LTD.	10470	376	10422	505	10437	618
12	BHARAT SANCHAR NIGAM LTD.	1926998	15262	1938076	16472	1443512	17628
13	BRAHMAPUTRA CRACKERS & POLYMER LTD.	0	0	74	0	74	0
14	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	3	1	3	2	3	3
15	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	0	107	0	0	0	0
16	BRIDGE & ROOF CO.(INDIA) LTD.	2224	23	2001	45	3435	40
17	BRITISH INDIA CORPORATION LTD.	2830	765	2211	836	2471	898
18	BROADCAST ENGG. CONSULTANTS INDIA LTD.	2463	0	2263	53	2032	67

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
19	BUNDELKHAND SAUR URJA LTD.	189	11	100	6	12	0
20	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	22	0	36	0	36	0
21	CENTRAL ELECTRONICS LTD.	7622	448	7648	483	7257	512
22	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	3062	4	3057	5	2840	4
23	CENTRAL WAREHOUSING CORPN.	7195	230	6671	435	6649	550
24	COAL INDIA LTD.	5	11	4	11	16	13
25	CONTAINER CORPORATION OF INDIA LTD.	18847	203	15399	180	30917	174
26	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	369321	240	209321	211	172143	166
27	DREDGING CORPN. OF INDIA LTD.	0	0	0	3	0	5
28	E. C. G. C. LTD.	236	26	263	32	243	34
29	EdCIL(India) Ltd.	1080	96	1074	79	0	0
30	ELECTRONICS CORPN. OF INDIA LTD.	1	2	2	3	3	3
31	ENGINEERING PROJECTS (INDIA) LTD.	6	3	2	3	2	3
32	ENGINEERS INDIA LTD.	0	27	0	28	0	52
33	FERTILIZER CORPN. OF INDIA LTD.	794	2	7774	2	7773	2
34	FOOD CORPN. OF INDIA	18085	2406	17427	1975	16618	7291
35	GAIL (INDIA) LTD.	1710373	1830	1613708	1826	2130492	1808
36	GAIL GAS LTD.	31089	0	29806	84	28304	84
37	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	3359	59	1040	63	999	62
38	HINDUSTAN AERONAUTICS LTD.	242483	4357	230788	4616	64802	4886
39	HINDUSTAN ANTIBIOTICS LTD.	3	22	3	17	0	0
40	HINDUSTAN CABLES LTD.	8035	0	0	0	9723	185
41	HINDUSTAN PAPER CORPORATION LTD.	16	2	16	2	16	2
42	HINDUSTAN PETROLEUM CORPN. LTD.	169649	344	145837	343	125773	331
43	HINDUSTAN PREFAB LTD.	0	18	0	4	0	0
44	HINDUSTAN STEELWORKS COSTN. LTD.	123	0	115	0	122	0
45	HLL INFRA TECH SERVICES LTD.	12	86	0	213	0	0
46	HLL LIFECARE LTD.	4459	6	1	8	2556	10
47	HOUSING & URBAN DEV. CORPN. LTD.	185	18	185	19	179	19
48	HSCC (INDIA) LTD.	1397	97	1282	98	1251	94
49	I T I LTD.	135550	2698	133101	3547	132753	4323
50	INDIA TOURISM DEV. CORPN. LTD.	55	9	55	8	54	12
51	INDIAN DRUGS & PHARMACEUTICALS LTD.	0	0	7	0	0	0
52	INDIAN OIL CORPORATION LTD.	743187	3251	627908	3278	1121234	3305

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
53	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	237	68	2212	53	1315	53
54	INSTRUMENTATION LTD.	22	9	20	16	19	14
55	IRCON INFRASTRUCTURE & SERVICES LTD.	489	0	488	0	488	0
56	IRCON INTERNATIONAL LTD.	4917	90	5051	90	6825	103
57	JAGDISHPUR PAPER MILLS LTD.	1650	0	1650	0	1650	0
58	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	36	0	38	0	33
59	M M T C LTD.	0	2	0	5	0	2
60	M S T C LTD.	1	3	3	3	3	3
61	MECON LTD.	0	21	0	11	0	11
62	NAINI AEROSPACE LTD.	7	125	0	0	0	0
63	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	0	0	0	0	0	1
64	NATIONAL FERTILIZERS LTD.	1896	169	103	136	4422	259
65	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1297	79	1057	88	1010	80
66	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	134	35	134	33	28	47
67	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	0	0	3	2	49	2
68	NATIONAL SEEDS CORPN. LTD.	1629	108	1622	114	1551	121
69	NATIONAL SMALL INDUSTRIES CORPN. LTD.	823	91	766	101	706	94
70	NATIONAL TEXTILE CORPN. LTD.	350	81	347	100	0	0
71	NBCC (INDIA) LTD.	690	198	1945	139	43	91
72	NEYVELI UTTAR PRADESH POWER LTD	21754	39	15884	12	16941	10
73	NHPC LTD.	363	24	344	13	396	17
74	NLC INDIA LTD.	0	44	0	19	0	18
75	NMDC Ltd.	2397	2	0	1	0	1
76	NORTHERN COALFIELDS LTD.	206299	6406	172255	6732	340741	6774
77	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	53	48
78	NTPC LTD.	2250495	6142	1909510	6411	3001545	6776
79	NUCLEAR POWER CORPN. OF INDIA LTD.	49771	824	48114	872	138039	935
80	NUMALIGARH REFINERY LTD.	19	0	16	0	120	0
81	OIL & NATURAL GAS CORPORATION LTD.	4878	0	0	0	4878	0
82	OIL INDIA LTD.	26547	185	14737	206	15892	220
83	PAWAN HANS LTD.	1239	71	0	0	0	0
84	POWER GRID CORPORATION OF INDIA LTD.	2927151	888	2609349	778	2586320	777

		(Gross Block : ₹ in Lakhs)		(Employment in Numbers)			
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
85	POWERGRID UNCHAHAAR TRANSMISSION LTD.	7263	0	4252	0	0	0
86	PROJECTS & DEVELOPMENT INDIA LTD.	2894	257	2969	258	2878	232
87	RAIL VIKAS NIGAM LTD.	257	30	144	38	0	22
88	RAILTEL CORPORATION INDIA LTD.	0	20	0	31	0	57
89	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	9	0	10	0	8
90	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	454	18	454	24	462	24
91	RASHTRIYA ISPAT NIGAM LTD.	217	26	217	25	218	24
92	REC POWER DISTRIBUTION CO. LTD.	8	5	3	0	0	2
93	rites LTD.	671	102	714	89	705	74
94	RURAL ELECTRIFICATION CORPN. LTD.	425	31	401	35	377	34
95	SCOOTERS INDIA LTD.	6208	241	6178	373	6013	560
96	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	4922	265	4795	255	8690	260
97	SJVN LTD.	0	155	0	152	0	156
98	STATE TRADING CORPN. OF INDIA LTD.	144	22	2	23	0	22
99	STEEL AUTHORITY OF INDIA LTD.	43243	85	42508	95	41154	87
100	TANDA TRANSMISSION COMPANY LTD.	158	0	140	0	111	0
101	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	32	8	27	9	30	17
102	THDC INDIA LTD.	15131	94	7627	84	3374	82
103	WAPCOS LTD.	19	7	23	6	21	6
<b>STATE TOTAL :</b>		<b>11234851</b>	<b>57563</b>	<b>10064956</b>	<b>60781</b>	<b>11857646</b>	<b>69175</b>

#### UTTARANCHAL

1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	0	0	0	0	8
2	AIRLINE ALLIED SERVICES LTD.	2	0	2	0	2	0
3	BALMER LAWRIE & CO. LTD.	0	1	0	1	0	1
4	BHARAT BROADBAND NETWORK LTD.	5	3	4	2	3	2
5	BHARAT ELECTRONICS LTD.	2875	543	2223	529	7649	529
6	BHARAT HEAVY ELECTRICALS LTD.	89445	5536	87280	5858	259717	6218
7	BHARAT PETROLEUM CORPN. LTD.	2206	5	1395	0	2809	0
8	BHARAT SANCHAR NIGAM LTD.	220911	1729	218764	1874	177896	1973
9	BRIDGE & ROOF CO.(INDIA) LTD.	0	2	0	2	0	1
10	CENTRAL WAREHOUSING CORPN.	879	90	805	39	783	39
11	ENGINEERING PROJECTS (INDIA) LTD.	21	3	147	3	147	3



		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
12	FERRO SCRAP NIGAM LTD.	148	16	148	17	333	18
13	FOOD CORPN. OF INDIA	2275	318	2200	307	1940	1398
14	GAIL (INDIA) LTD.	0	14	0	9	0	6
15	HINDUSTAN ANTIBIOTICS LTD.	0	0	0	3	3	20
16	HINDUSTAN PETROLEUM CORPN. LTD.	8573	24	7196	26	8689	22
17	HINDUSTAN PREFAB LTD.	0	2	0	0	0	0
18	HINDUSTAN SALTS LTD.	3	2	0	1	3	2
19	HINDUSTAN STEELWORKS COSTN. LTD.	7	0	7	0	3	0
20	HMT WATCHES LTD.	9	146	0	416	0	0
21	HOUSING & URBAN DEV. CORPN. LTD.	312	9	312	9	311	11
22	HSCC (INDIA) LTD.	0	3	0	0	0	0
23	I T I LTD.	0	0	0	10	0	3
24	INDIAN DRUGS & PHARMACEUTICALS LTD.	5461	31	645	48	0	0
25	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	5306	129	4295	131	3439	131
26	INDIAN OIL CORPORATION LTD.	60814	181	52885	183	47887	163
27	INSTRUMENTATION LTD.	0	0	0	0	0	1
28	IRCON INFRASTRUCTURE & SERVICES LTD.	853	0	853	0	853	0
29	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	1	0	2
30	MECON LTD.	0	1	0	0	0	0
31	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	8	0	6	7	0	0
32	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	1034	52	1088	61	975	95
33	NATIONAL SEEDS CORPN. LTD.	0	16	0	15	0	18
34	NATIONAL SMALL INDUSTRIES CORPN. LTD.	6	11	5	9	5	8
35	NBCC (INDIA) LTD.	5	77	5	72	1	100
36	NEPA LTD.	153	2	153	3	153	4
37	NHPC LTD.	124168	666	120745	705	219416	782
38	NTPC LTD.	323119	171	286970	175	246475	161
39	NUMALIGARH REFINERY LTD.	0	0	1	0	1	0
40	OIL & NATURAL GAS CORPORATION LTD.	168225	2201	48075	2375	133309	2437
41	OIL INDIA LTD.	0	6	0	5	0	5
42	POWER GRID CORPORATION OF INDIA LTD.	168818	49	168818	51	213668	59
43	RAIL VIKAS NIGAM LTD.	19	0	10	12	0	8
44	RAILTEL CORPORATION INDIA LTD.	0	2	0	3	0	0

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
45	RASHTRIYA ISPAT NIGAM LTD.	61	6	61	5	61	3
46	REC POWER DISTRIBUTION CO. LTD.	0	0	0	0	4	0
47	BITES LTD.	0	2	0	1	0	1
48	RURAL ELECTRIFICATION CORPN. LTD.	0	3	0	3	0	3
49	SCOOTERS INDIA LTD.	0	0	0	0	0	1
50	SIDCUL CONCOR INFRA COMPANY LTD.	8842	0	8178	2	4296	5
51	SJVN LTD.	15361	36	12580	37	11195	38
52	STEEL AUTHORITY OF INDIA LTD.	8	1	8	2	8	2
53	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	20	29	20	36	9	21
54	THDC INDIA LTD.	1461474	1831	1388345	1901	1309336	1929
55	WAPCOS LTD.	14	4	4	2	0	2
<b>STATE TOTAL :</b>		<b>2671440</b>	<b>13953</b>	<b>2414233</b>	<b>14951</b>	<b>2651379</b>	<b>16233</b>

<b>WEST BENGAL</b>							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	2866	345	2866	345	0	586
2	AIR INDIA EXPRESS LTD.	15	1	0	1	0	12
3	AIR INDIA LTD.	0	0	0	0	656959	1727
4	AIRLINE ALLIED SERVICES LTD.	81	62	170	0	168	100
5	AIRPORTS AUTHORITY OF INDIA	0	0	459001	4202	443044	3214
6	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	24	11	24	11	25	11
7	ANDREW YULE & COMPANY LTD.	8987	7084	12885	7132	12620	7215
8	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	4	6	3	6	3	6
9	BALMER LAWRIE & CO. LTD.	9500	576	19458	635	18218	663
10	BEML LTD.	458	87	448	96	429	111
11	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	17073	279	16679	326	14628	353
12	BHARAT BROADBAND NETWORK LTD.	28	5	23	6	16	6
13	BHARAT COKING COAL LTD.	6495	992	5570	1054	10081	1012
14	BHARAT HEAVY ELECTRICALS LTD.	22689	818	21242	840	52813	865
15	BHARAT PETROLEUM CORPN. LTD.	69209	659	55156	715	86890	750
16	BHARAT PUMPS & COMPRESSORS LTD.	1	1	1	1	1	2
17	BHARAT SANCHAR NIGAM LTD.	686615	5144	691175	12781	1243622	13973
18	BHARAT WAGON & ENGG. CO. LTD.	5	3	5	4	5	4
19	BIRDS JUTE & EXPORTS LTD.	269	0	268	0	268	0
20	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	4	1	4	2	4	1
21	BRAITHWAITE & CO. LTD.	6893	280	6848	322	6762	330

S.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
22	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	396	154	778	154	716	126
23	BRIDGE & ROOF CO.(INDIA) LTD.	7296	673	5716	668	7443	1088
24	BURN STANDARD COMPANY LTD.	49086	525	48901	610	48939	683
25	CENTRAL COALFIELDS LTD.	36	24	36	0	82	0
26	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	42	10	36	10	41	11
27	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	122	0	2214	2	6433	208
28	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	1113	346	884	364	1237	377
29	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	1075	2	1068	1	1491	0
30	CENTRAL WAREHOUSING CORPN.	13406	282	11625	323	9951	366
31	COAL INDIA LTD.	27832	690	27567	675	45831	694
32	CONTAINER CORPORATION OF INDIA LTD.	5357	65	4399	58	6720	63
33	COTTON CORPN. OF INDIA LTD.	287	11	287	12	280	11
34	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	247	28	247	24	354	18
35	DREDGING CORPN. OF INDIA LTD.	0	79	0	51	54	62
36	E. C. G. C. LTD.	802	30	795	33	792	33
37	EASTERN COALFIELDS LTD.	278236	55221	719955	57111	488818	59381
38	EASTERN INVESTMENT LTD.	10	2	9	2	9	2
39	ELECTRONICS CORPN. OF INDIA LTD.	14	52	15	66	24	74
40	ENGINEERING PROJECTS (INDIA) LTD.	157	43	140	40	138	49
41	ENGINEERS INDIA LTD.	346	65	313	49	673	69
42	FERRO SCRAP NIGAM LTD.	2772	176	1903	176	4098	186
43	FOOD CORPN. OF INDIA	12081	1750	9288	1545	7586	6131
44	GAIL (INDIA) LTD.	25	15	20	16	90	13
45	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	40616	2345	36741	2518	55530	2738
46	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	16	5	16	7	16	7
47	HEAVY ENGINEERING CORPN. LTD.	119	5	119	5	118	4
48	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	0	0	15	0	0	0
49	HINDUSTAN AERONAUTICS LTD.	6583	419	5407	422	4652	424
50	HINDUSTAN ANTIBIOTICS LTD.	7	0	7	6	7	0
51	HINDUSTAN CABLES LTD.	21029	0	21294	652	21295	759
52	HINDUSTAN COPPER LTD.	344	118	285	124	2107	122
53	HINDUSTAN FERTILIZER CORPN. LTD.	16712	0	16712	0	16712	1
54	HINDUSTAN INSECTICIDES LTD.	22	13	4	13	3	12

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
55	HINDUSTAN PAPER CORPORATION LTD.	620	62	620	62	602	64
56	HINDUSTAN PETROLEUM CORPN. LTD.	65819	495	62882	520	78501	565
57	HINDUSTAN PREFAB LTD.	0	5	0	1	0	0
58	HINDUSTAN STEELWORKS COSTN. LTD.	4632	9	4591	8	2377	14
59	HLL LIFECARE LTD.	1548	15	1	12	1	14
60	HOOGLHY DOCK AND PORT ENGINEERS LTD.	1999	45	1999	45	1999	339
61	HOOGLHY PRINTING COMPANY LTD.	633	49	643	47	643	47
62	HOUSING & URBAN DEV. CORPN. LTD.	1242	23	1242	24	1365	26
63	HSCC (INDIA) LTD.	0	4	0	3	4	0
64	I T I LTD.	172	43	170	60	170	31
65	INDIA TOURISM DEV. CORPN. LTD.	19	13	17	15	16	17
66	INDIA TRADE PROMOTION ORGANISATION	185	7	185	6	184	6
67	INDIAN DRUGS & PHARMACEUTICALS LTD.	0	0	5	1	0	0
68	INDIAN OIL CORPORATION LTD.	803795	3431	663966	3451	1013572	3526
69	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	476	204	847	190	834	220
70	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	0	0	0	0	0	1
71	INSTRUMENTATION LTD.	35	9	30	9	35	14
72	IRCON INFRASTRUCTURE & SERVICES LTD.	1840	0	1840	0	1866	0
73	IRCON INTERNATIONAL LTD.	704	33	798	50	793	49
74	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	45	0	36	0	44
75	KOLKATA METRO RAIL CORPORATION LTD.	239719	9	186481	38	174142	33
76	M M T C LTD.	90	99	87	111	1403	112
77	M S T C LTD.	443	134	346	148	2506	145
78	MAHANADI COALFIELDLS LTD.	9	19	9	19	37	19
79	MECON LTD.	520	50	568	71	551	96
80	MEDINIPUR-JEERAT TRANSMISSION LTD.	1920	0	26	0	0	0
81	MINERAL EXPLORATION CORPN. LTD.	289	13	289	4	289	4
82	MISHRA DHATU NIGAM LTD.	0	1	0	0	0	0
83	NATIONAL ALUMINIUM COMPANY LTD.	606	17	586	19	754	21
84	NATIONAL BACKWARD CLASSES FINANCE & DEV.PCO.	0	1	0	1	0	2
85	NATIONAL FILM DEV. CORPN. LTD.	46	7	45	8	35	10

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
86	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	73	16	78	14	76	15
87	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	5543	0	4164	52	5211	50
88	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	82	108	191	115	125	117
89	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	16	2	15	1	15	2
90	NATIONAL SEEDS CORPN. LTD.	466	28	398	29	395	28
91	NATIONAL SMALL INDUSTRIES CORPN. LTD.	2457	59	2070	70	890	69
92	NATIONAL TEXTILE CORPN. LTD.	2629	42	2614	52	5535	24
93	NBCC (INDIA) LTD.	4	144	10	159	0	192
94	NHPC LTD.	349041	492	340051	475	333913	450
95	NLC INDIA LTD.	24	2	22	3	40	3
96	NMDC Ltd.	1092	3	1092	4	31	4
97	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	29	4	28	4	28	4
98	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	413	8	413	9	413	8
99	NORTH EASTERN REGIONAL AGRI. MARKETING CORPLTD.	0	2	0	2	0	2
100	NORTHERN COALFIELDS LTD.	47	11	47	11	18	11
101	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	1	2
102	NTPC LTD.	379323	1253	356704	1338	634656	1391
103	NTPC VIDYUT VYAPAR NIGAM LTD.	0	0	0	1	0	1
104	NUMALIGARH REFINERY LTD.	19825	42	16959	44	26806	41
105	OIL & NATURAL GAS CORPORATION LTD.	113578	505	14263	551	99362	557
106	OIL INDIA LTD.	10932	158	10474	163	2252	173
107	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	299	46	320	53	0	0
108	P E C LTD.	0	5	0	8	0	10
109	POWER GRID CORPORATION OF INDIA LTD.	920038	401	795083	391	639551	406
110	POWER SYSTEM OPERATION CORPORATION LTD.	2407	80	2358	81	6018	82
111	PROJECTS & DEVELOPMENT INDIA LTD.	0	0	0	0	4	6
112	RAIL VIKAS NIGAM LTD.	852	59	735	43	0	54
113	RAILTEL CORPORATION INDIA LTD.	30113	79	29103	65	38217	63
114	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	0	0	0	0	2233	171
115	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	3	5	3	5	7	5
116	RASHTRIYA ISPAT NIGAM LTD.	239	27	239	0	239	29

		(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2016-17		2015-16		2014-15	
S.No.	State / CPSE	Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
117	REC POWER DISTRIBUTION CO. LTD.	4	1	3	0	0	2
118	BITES INFRASTRUCTURE SERVICES LTD.	0	0	49	0	75	0
119	BITES LTD.	2202	256	2063	236	2564	251
120	RURAL ELECTRIFICATION CORPN. LTD.	694	15	603	19	569	20
121	SCOOTERS INDIA LTD.	0	2	0	2	0	3
122	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	18465	1316	16772	1406	15286	1492
123	SHIPPING CORPORATION OF INDIA LTD.	636	101	636	106	1280	108
124	SJVN LTD.	0	11	0	12	0	11
125	SOUTH EASTERN COALFIELDS LTD.	0	48	0	50	0	54
126	STATE TRADING CORPN. OF INDIA LTD.	1959	50	1959	55	1963	62
127	STEEL AUTHORITY OF INDIA LTD.	3087410	19389	3072898	20708	2776890	21924
128	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	5	6	3	3	0	0
129	THE BISRA STONE LIME COMPANY LTD.	14	2	7	3	15	3
130	THE JUTE CORPN. OF INDIA LTD.	374	242	359	459	359	292
131	WAPCOS LTD.	50	20	78	15	46	9
<b>STATE TOTAL :</b>		<b>7396101</b>	<b>109384</b>	<b>7809759</b>	<b>125992</b>	<b>9156558</b>	<b>138273</b>
<b>GRAND TOTAL :</b>		<b>180837177</b>	<b>1130840</b>	<b>166517785</b>	<b>1185382</b>	<b>1906926</b>	<b>1272006</b>

**STATEMENT - 12**  
**RANKING OF OPERATING CPSEs IN TERMS OF PROFIT/LOSS BEFORE EXCEPTIONAL,**  
**EXTRAORDINARY ITEMS & TAX (PBEET) IN 2016-17**

(₹ in Lakhs)

CPSE	2016-17	2015-16	2014-15	Rank based on PBEET 2016-17
INDIAN OIL CORPORATION LTD.	2632124	1546229	632720	1
OIL & NATURAL GAS CORPORATION LTD.	2521551	2682543	2655523	2
COAL INDIA LTD.	1451167	1676820	1365267	3
NTPC LTD.	1317085	1059577	1054665	4
BHARAT PETROLEUM CORPN. LTD.	1104279	1039104	741551	5
POWER GRID CORPORATION OF INDIA LTD.	956976	754051	628938	6
HINDUSTAN PETROLEUM CORPN. LTD.	902084	577664	415412	7
RURAL ELECTRIFICATION CORPN. LTD.	886070	804521	742704	8
MAHANADI COALFIELDS LTD.	685472	626511	530402	9
GAIL (INDIA) LTD.	570955	306197	422150	10
POWER FINANCE CORPORATION LTD.	510979	906066	837823	11
AIRPORTS AUTHORITY OF INDIA	455761	369735	279141	12
NMDC Ltd.	429368	427754	988148	13
MANGALORE REFINERY & PETROCHEMICALS LTD.	393414	134129	-218933	14
HINDUSTAN AERONAUTICS LTD.	358258	320697	317252	15
OIL INDIA LTD.	329805	365570	372870	16
NUCLEAR POWER CORPN. OF INDIA LTD.	323242	342157	280812	17
SOUTH EASTERN COALFIELDS LTD.	318657	514884	565954	18
NUMALIGARH REFINERY LTD.	314757	186573	113313	19
NORTHERN COALFIELDS LTD.	312044	411288	371347	20
NHPC LTD.	276061	262960	230422	21
CENTRAL COALFIELDS LTD.	237360	310861	274034	22
NLC INDIA LTD.	233409	97811	203735	23
ONGC VIDESH LTD.	231316	74370	306665	24
INDIAN RAILWAY FINANCE CORPORATION LTD.	213327	194991	191417	25
BHARAT ELECTRONICS LTD.	202942	173212	146669	26
SJVN LTD.	190515	157660	217953	27
CHENNAI PETROLEUM CORPORATION LTD.	136505	75864	-74239	28
NHDC LTD.	125425	84988	98377	29
CONTAINER CORPORATION OF INDIA LTD.	118061	130795	129457	30
HOUSING & URBAN DEV. CORPN. LTD.	117474	107194	143094	31
NATIONAL ALUMINIUM COMPANY LTD.	100487	113520	196500	32
THDC INDIA LTD.	96551	124711	73805	33
SECURITY PRINTING & MINTING CORPN. INDIA LTD.	91445	31159	42702	34
MAZAGON DOCK SHIPBUILDERS LTD.	84772	92932	74600	35
BHARAT DYNAMICS LTD.	80281	84731	61419	36
BHARAT HEAVY ELECTRICALS LTD.	62783	-116417	214001	37
INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	53787	41762	37857	38
ENGINEERS INDIA LTD.	50018	41981	46756	39
COCHIN SHIPYARD LTD.	49400	41965	36757	40
RITES LTD.	48799	51555	45610	41



CPSE	2016-17	2015-16	2014-15	Rank based on PBEET 2016-17
NBCC (INDIA) LTD.	48766	40396	39100	42
RAIL VIKAS NIGAM LTD.	48479	37183	23635	43
MOIL LTD.	46190	27026	65057	44
IRCON INTERNATIONAL LTD.	45803	60236	84429	45
INDIA INFRASTRUCTURE FINANCE CO. LTD.	41406	96453	121651	46
KAMARAJAR PORT LTD.	41349	44394	44349	47
E. C. G. C. LTD.	40749	38736	25517	48
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	37473	43538	42027	49
ANTRIX CORPORATION LTD.	33394	30929	32540	50
INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	32506	30592	21311	51
NATIONAL FERTILIZERS LTD.	32488	28842	4472	52
AIR INDIA EXPRESS LTD.	29675	36168	-6103	53
CENTRAL WAREHOUSING CORPN.	26059	28356	26006	54
BALMER LAWRIE & CO. LTD.	25411	24021	21044	55
RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	24873	26523	50963	56
URANIUM CORPORATION OF INDIA LTD.	20984	15453	1133	57
RAILTEL CORPORATION INDIA LTD.	19234	19399	16621	58
MISHRA DHATU NIGAM LTD.	18635	16185	13851	59
GOA SHIPYARD LTD.	17746	11069	5317	60
SHIPPING CORPORATION OF INDIA LTD.	17724	78943	27613	61
INDIA TRADE PROMOTION ORGANISATION	16971	18573	20183	62
NATIONAL SMALL INDUSTRIES CORPN. LTD.	16507	15695	14912	63
WAPCOS LTD.	16138	12917	11216	64
MINERAL EXPLORATION CORPN. LTD.	16130	11837	9160	65
I T I LTD.	14017	13869	-29798	66
NLC TAMIL NADU POWER LTD.	13528	-24472	0	67
NTPC VIDYUT VYAPAR NIGAM LTD.	11832	8027	6648	68
NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	11069	10838	10253	69
AIR INDIA AIR TRANSPORT SERVICES LTD.	10267	10267	10088	70
GAIL GAS LTD.	9943	5975	1839	71
BEML LTD.	9829	7792	676	72
M S T C LTD.	9661	9166	13147	73
HINDUSTAN COPPER LTD.	9455	3996	8045	74
PETRONET CCK LTD.	9007	9129	0	75
PFC CONSULTING LTD.	8855	5710	3333	76
ELECTRONICS CORPN. OF INDIA LTD.	8233	8069	6915	77
TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	7951	6457	2378	78
SOLAR ENERGY CORPORATION OF INDIA	7929	3247	1299	79
NATIONAL SEEDS CORPN. LTD.	6608	4893	3665	80
CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	6283	1535	3933	81
KONKAN RAILWAY CORPORATION LTD.	6197	13396	3939	82
REC POWER DISTRIBUTION CO. LTD.	6067	5544	5252	83
HINDUSTAN SHIPYARD LTD.	5853	1900	-16459	84
ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	5574	4620	3165	85
HSCC (INDIA) LTD.	5569	8798	3795	86

CPSE	2016-17	2015-16	2014-15	Rank based on PBEET 2016-17
REC TRANSMISSION PROJECTS CO. LTD.	4986	4242	6992	87
NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	4962	4412	3614	88
HINDUSTAN STEELWORKS COSTN. LTD.	4935	5313	242	89
NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	4840	2097	3439	90
NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	4804	3802	3955	91
EdCIL(India) Ltd.	4730	4699	711	92
KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	4707	3019	1733	93
PFC GREEN ENERGY LTD.	4315	3295	2830	94
NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	4220	2303	1971	95
BALMER LAWRIE INVESTMENTS LTD.	4088	3765	3769	96
ANDREW YULE & COMPANY LTD.	3681	927	1389	97
PAWAN HANS LTD.	3673	9620	7318	98
FERRO SCRAP NIGAM LTD.	3627	6120	2551	99
FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	3625	4433	5472	100
POWER SYSTEM OPERATION CORPORATION LTD.	3586	8128	7458	101
FERTILIZER CORPN. OF INDIA LTD.	3480	1323	-450	102
KIOCL LTD.	3295	-8967	3126	103
SAIL REFRACTORY COMPANY LTD.	3265	2854	3368	104
TAMIL NADU TRADE PROMOTION ORGANISATION	3091	2151	2343	105
CENTRAL ELECTRONICS LTD.	2881	931	448	106
RAILWAY ENERGY MANAGEMENT COMPANY LTD.	2867	469	32	107
INDIA TOURISM DEV. CORPN. LTD.	2823	4052	3487	108
BHARAT BROADBAND NETWORK LTD.	2811	-566	-15	109
BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	2804	6888	7407	110
BRIDGE & ROOF CO.(INDIA) LTD.	2725	503	1789	111
NATIONAL BACKWARD CLASSES FINANCE & DEVPCO.	2508	2346	2153	112
MUMBAI RAILWAY VIKAS CORPORATION LTD.	2338	4021	3657	113
NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	2255	2159	2142	114
NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	2128	1743	0	115
IRCON INFRASTRUCTURE & SERVICES LTD.	2080	2261	2029	116
CENTRAL RAILSIDE WAREHOUSE CO. LTD.	1971	1983	2190	117
NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	1817	1043	888	118
RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	1738	1777	2096	119
CERTIFICATION ENGINEERS INTERNATIONAL LTD.	1570	1492	1339	120
EASTERN COALFIELDS LTD.	1532	112319	178241	121
RICHARDSON & CRUDDAS(1972) LTD.	1519	-1006	-365	122
COTTON CORPN. OF INDIA LTD.	1343	1953	2602	123
THE JUTE CORPN. OF INDIA LTD.	1289	1835	1613	124
GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	1260	23347	6104	125
ORISSA MINERAL DEVELOPMENT COMPANY LTD.	1236	1938	2584	126
DREDGING CORPN. OF INDIA LTD.	1227	3404	6423	127
CONCOR AIR LTD.	1199	2284	1719	128
GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	1161	377	405	129
BHARTIYA RAIL BIJLEE CO. LTD.	1117	383	0	130
KUMARAKRUPPA FRONTIER HOTELS LTD.	1110	1081	846	131

CPSE	2016-17	2015-16	2014-15	Rank based on PBEET 2016-17
NBCC SERVICES LTD.	1060	857	0	132
JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	966	0	0	133
BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	945	-897	209	134
HINDUSTAN PREFAB LTD.	891	1289	660	135
BEL OPTRONICS DEVICES LTD.	857	523	541	136
BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	750	2850	-12718	137
KARNATAKA TRADE PROMOTION ORGANISATION	502	503	660	138
NATIONAL JUTE MANUFACTURES CORPORATION LTD.	475	807	-49	139
BENGAL CHEMICALS & PHARMACEUTICALS LTD.	451	-997	-2808	140
HINDUSTAN INSECTICIDES LTD.	414	230	204	141
ENGINEERING PROJECTS (INDIA) LTD.	412	3820	4121	142
HLL INFRA TECH SERVICES LTD.	409	175	0	143
INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	373	-332	-20	144
BROADCAST ENGG. CONSULTANTS INDIA LTD.	341	-965	-21	145
AGRINNOVATE INDIA LTD.	322	369	429	146
POWER GRID WARORA TRANSMISSION LTD.	305	0	0	147
HINDUSTAN FERTILIZER CORPN. LTD.	245	94	-38075	148
IIFCL PROJECTS LTD.	231	358	0	149
INDIA POST PAYMENT BANK LTD	222	0	0	150
RAILTEL ENTERPRISES LTD.	188	125	19	151
IIFCL ASSET MANAGEMENT COMPANY LTD.	168	143	0	152
PFC CAPITAL ADVISORY SERVICE LTD.	156	201	278	153
ORISSA DRUGS & CHEMICALS LTD.	146	146	135	154
NATIONAL RESEARCH DEVELOPMENT CORPN.	134	5	-134	155
EASTERN INVESTMENT LTD.	117	171	-1263	156
NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	109	838	959	157
BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	92	328	141	158
HMT CHINAR WATCHES LTD.	91	-335	-4905	159
IRCON PB TOLLWAY LTD.	83	570	0	160
IRCON SHIVPURI GUNA TOLLWAY LTD.	61	-129	0	161
MILLENNIUM TELECOM LTD.	47	45	18	162
PONDICHERRY ASHOK HOTEL CORPN. LTD.	42	-16	-31	163
HINDUSTAN SALTS LTD.	40	-113	-493	164
HMT (INTERNATIONAL) LTD.	27	90	166	165
HOOGHLY PRINTING COMPANY LTD.	23	85	10	166
MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	22	-49	15	167
VIGNYAN INDUSTRIES LTD.	13	67	-85	168
NATIONAL FILM DEV. CORPN. LTD.	7	-518	-834	169
CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	3	-871	-451	170
DELHI POLICE HOUSING CORPORATION LTD.	2	174	162	171
CREDA HPCL BIOFUEL LTD.	-7	-48	-123	172
POWERGRID UNCHAHAR TRANSMISSION LTD.	-9	0	0	173
DONYI POLO ASHOK HOTEL LTD.	-9	7	-1	174
RITES INFRASTRUCTURE SERVICES LTD.	-10	-39	15	175
NTPC ELECTRIC SUPPLY COMPANY LTD.	-16	136	160	176

CPSE	2016-17	2015-16	2014-15	Rank based on PBEET 2016-17
NBCC ENGINEERING AND CONSULTANCY LTD.	-25	-8	0	177
CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	-41	94	36	178
HMT BEARINGS LTD.	-42	82	-1775	179
INDIAN VACCINE CORP. LTD.	-54	-74	-70	180
UTKAL ASHOK HOTEL CORPN. LTD.	-76	-205	-70	181
BEL-THALES SYSTEMS LTD.	-82	-244	0	182
J & K MINERAL DEVELOPMENT CORPN. LTD.	-85	-165	-80	183
NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	-113	-196	-486	184
ASSAM ASHOK HOTEL CORPN. LTD.	-152	-152	-136	185
RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	-209	-168	-107	186
IDPL (TAMILNADU) LTD.	-239	-73	112	187
INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	-464	244	293	188
TCIL LAKHNADONE TOLL ROAD LTD.	-464	-4	0	189
STATE TRADING CORPN. OF INDIA LTD.	-466	-109	3471	190
HLL BIOTECH LTD.	-472	-610	-11	191
BIRDS JUTE & EXPORTS LTD.	-485	-464	-554	192
HINDUSTAN FLUOROCARBONS LIMITED	-489	-1111	-1068	193
BHEL ELECTRICAL MACHINES LTD.	-582	-397	-417	194
NORTH EASTERN REGIONAL AGRI. MARKETING CORPLTD.	-589	-589	-589	195
RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	-599	-599	-993	196
INDIAN RARE EARTHS LTD.	-603	-11373	-469	197
INDIAN OIL-CREDA BIOFUELS LTD.	-627	-19	-1300	198
SAMBHAR SALTS LTD.	-855	-890	-983	199
BRAITHWAITE & CO. LTD.	-895	64	-4461	200
PROJECTS & DEVELOPMENT INDIA LTD.	-995	-640	-1048	201
SCOOTERS INDIA LTD.	-1002	577	1109	202
M M T C LTD.	-1005	-745	3681	203
SIDCUL CONCOR INFRA COMPANY LTD.	-1029	353	0	204
TCIL BINA TOLL ROAD LTD.	-1046	-1043	-942	205
FRESH & HEALTHY ENTERPRISES LTD.	-1365	-2591	-1447	206
BHARAT WAGON & ENGG. CO. LTD.	-1423	-1532	-1763	207
PRIZE PETROLEUM COMPANY LTD.	-1495	-4750	233	208
NAGALAND PULP & PAPER COMPANY LTD.	-1739	-1739	-1538	209
THE BISRA STONE LIME COMPANY LTD.	-1773	-1664	-2727	210
HOOGLY DOCK AND PORT ENGINEERS LTD.	-1798	-1978	-3380	211
HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	-1842	-1420	1415	212
KANTI BIJLEE UTPADAN NIGAM LTD.	-2193	-7573	4515	213
CEMENT CORPN. OF INDIA LTD.	-2230	5351	1818	214
MADRAS FERTILIZERS LTD.	-2329	-9754	-13469	215
TUNGABHADRA STEEL PRODUCTS LTD.	-2887	-2887	-2887	216
POWERGRID NM TRANSMISSION LTD.	-2898	0	0	217
POWERGRID VIZAG TRANSMISSION LTD.	-3054	529	0	218
HPCL BIOFUELS LTD.	-3072	-6047	-8437	219
BURN STANDARD COMPANY LTD.	-3351	-2837	-3084	220
HMT WATCHES LTD.	-3441	-6724	-25920	221

CPSE	2016-17	2015-16	2014-15	Rank based on PBEET 2016-17
HLL LIFECARE LTD.	-3585	3614	3021	222
HMT LTD.	-4547	9051	-9657	223
ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	-4971	-4971	-4508	224
HOTEL CORPN. OF INDIA LTD.	-5045	-5776	-4980	225
HINDUSTAN NEWSPRINT LTD.	-6486	-3882	-1005	226
NEPA LTD.	-6862	-7012	-4871	227
INSTRUMENTATION LTD.	-7330	-6812	-7880	228
HINDUSTAN ANTIBIOTICS LTD.	-7824	-7718	-7055	229
HEAVY ENGINEERING CORPN. LTD.	-8227	-18077	-19769	230
BHARAT PUMPS & COMPRESSORS LTD.	-8239	-4951	-4776	231
MECON LTD.	-8814	-17470	3301	232
P E C LTD.	-9468	-10741	-8451	233
BRITISH INDIA CORPORATION LTD.	-10221	-9724	-9224	234
HMT MACHINE TOOLS LTD.	-12759	-10666	-13377	235
INDIAN DRUGS & PHARMACEUTICALS LTD.	-17002	-16024	-16721	236
BHARAT PETRO RESOURCES LTD.	-20809	-5664	-3438	237
FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	-23832	-46454	-37585	238
HINDUSTAN ORGANIC CHEMICALS LTD.	-25557	-17391	-21460	239
BHARAT COKING COAL LTD.	-26308	60568	115422	240
AIRLINE ALLIED SERVICES LTD.	-29266	-20239	-18846	241
HINDUSTAN PAPER CORPORATION LTD.	-40455	-40455	-59137	242
AIR INDIA ENGINEERING SERVICES LTD.	-40710	-40710	-24257	243
NATIONAL TEXTILE CORPN. LTD.	-43174	-32828	-31439	244
ONGC MANGALORE PETROCHEMICALS LTD.	-49327	-87949	0	245
STCL LTD.	-56127	-47988	-41105	246
BRAHAMPUTRA CRACKERS & POLYMER LTD.	-61194	-26602	0	247
HINDUSTAN CABLES LTD.	-96349	-99496	-93785	248
WESTERN COALFIELDS LTD.	-107526	39420	54479	249
RASHTRIYA ISPAT NIGAM LTD.	-169049	-170182	10335	250
HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	-290115	-248461	-212350	251
MAHANAGAR TELEPHONE NIGAM LTD.	-294546	-275576	-284756	252
AIR INDIA LTD.	-382597	-383522	-585302	253
STEEL AUTHORITY OF INDIA LTD.	-463412	-700750	235891	254
BHARAT SANCHAR NIGAM LTD.	-479321	-485916	-884342	255
<b>TOTAL :</b>	<b>17740364</b>	<b>15589711</b>	<b>14740148</b>	

**STATEMENT - 13**  
**RANKING OF OPERATING CPSEs IN TERMS OF GROSS TURNOVER / REVENUE IN 2016-17**

(₹ in Lakhs)

CPSE	Gross Turnover / Revenue			Rank
	2016-17	2015-16	2014-15	2016-17
INDIAN OIL CORPORATION LTD.	44537291	40682799	46793390	1
BHARAT PETROLEUM CORPN. LTD.	24204782	21789477	25325486	2
HINDUSTAN PETROLEUM CORPN. LTD.	21380299	19774383	21730692	3
FOOD CORPN. OF INDIA	13120563	13170967	13476404	4
NTPC LTD.	7827344	7084381	7390658	5
OIL & NATURAL GAS CORPORATION LTD.	7790773	7774175	8309347	6
MANGALORE REFINERY & PETROCHEMICALS LTD.	5943049	5087958	6241714	7
STEEL AUTHORITY OF INDIA LTD.	4976710	4387517	5114886	8
GAIL (INDIA) LTD.	4888299	5219597	5746450	9
CHENNAI PETROLEUM CORPORATION LTD.	4060752	3497058	4789630	10
BHARAT HEAVY ELECTRICALS LTD.	2947499	2663837	3164721	11
BHARAT SANCHAR NIGAM LTD.	2840373	2838086	2724223	12
POWER FINANCE CORPORATION LTD.	2671623	2747365	2486132	13
POWER GRID CORPORATION OF INDIA LTD.	2571654	2066581	1717723	14
RURAL ELECTRIFICATION CORPN. LTD.	2335079	2363835	2022953	15
AIR INDIA LTD.	2143981	1999233	1980171	16
SOUTH EASTERN COALFIELDS LTD.	1893653	1835847	2234102	17
HINDUSTAN AERONAUTICS LTD.	1855521	1715860	1563033	18
MAHANADI COALFIELDS LTD.	1498198	1468132	1238775	19
NUMALIGARH REFINERY LTD.	1394691	1192544	1082705	20
RASHTRIYA ISPAT NIGAM LTD.	1241874	1016304	1043217	21
AIRPORTS AUTHORITY OF INDIA	1186054	1025520	889095	22
M M T C LTD.	1170836	1256896	1828484	23
ONGC VIDESH LTD.	1156998	1063548	1888170	24
CENTRAL COALFIELDS LTD.	1150709	1154320	1205903	25
NORTHERN COALFIELDS LTD.	1129399	1077680	1032531	26
EASTERN COALFIELDS LTD.	1046237	1048829	1089615	27
NUCLEAR POWER CORPN. OF INDIA LTD.	1000318	962609	891598	28
OIL INDIA LTD.	951039	976487	974823	29
BHARAT ELECTRONICS LTD.	914044	769537	686169	30
INDIAN RAILWAY FINANCE CORPORATION LTD.	904677	750623	693880	31
BHARAT COKING COAL LTD.	884975	929949	1018444	32
NMDC Ltd.	882964	645727	1236247	33
NLC INDIA LTD.	867284	665205	609758	34
NATIONAL ALUMINIUM COMPANY LTD.	805002	726923	789153	35
STATE TRADING CORPN. OF INDIA LTD.	781449	1060105	1449400	36
NATIONAL FERTILIZERS LTD.	766322	779391	855320	37
WESTERN COALFIELDS LTD.	746524	823625	806643	38
NHPC LTD.	727117	735300	680225	39
RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	722317	824135	786166	40
NBCC (INDIA) LTD.	627939	581243	440211	41
SECURITY PRINTING & MINTING CORPN. INDIA LTD.	596602	473058	451886	42
RAIL VIKAS NIGAM LTD.	591962	454130	314197	43
CONTAINER CORPORATION OF INDIA LTD.	560613	592173	557370	44

CPSE	Gross Turnover / Revenue			Rank
	2016-17	2015-16	2014-15	2016-17
ONGC MANGALORE PETROCHEMICALS LTD.	525657	418757	0	45
NTPC VIDYUT VYAPAR NIGAM LTD.	522384	402002	387360	46
BHARAT DYNAMICS LTD.	488662	415997	279968	47
P E C LTD.	426869	378429	625451	48
INDIA INFRASTRUCTURE FINANCE CO. LTD.	375095	421097	400739	49
MAZAGON DOCK SHIPBUILDERS LTD.	352974	412706	361891	50
HOUSING & URBAN DEV. CORPN. LTD.	349885	320481	334655	51
SHIPPING CORPORATION OF INDIA LTD.	344687	404988	418644	52
AIR INDIA EXPRESS LTD.	332993	291644	229483	53
NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	329623	262820	243386	54
IRCON INTERNATIONAL LTD.	299480	241851	286399	55
MAHANAGAR TELEPHONE NIGAM LTD.	286968	312396	339753	56
BEML LTD.	283466	328433	299917	57
GAIL GAS LTD.	281647	156629	102459	58
NLC TAMIL NADU POWER LTD.	254693	122474	0	59
SJVN LTD.	246866	249396	281753	60
NATIONAL SMALL INDUSTRIES CORPN. LTD.	231188	262863	250697	61
KONKAN RAILWAY CORPORATON LTD.	214442	160001	125586	62
THDC INDIA LTD.	209474	246649	239716	63
COCHIN SHIPYARD LTD.	205887	199346	185952	64
COTTON CORPN. OF INDIA LTD.	196296	1706696	538928	65
FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	187925	174978	199474	66
ANTRIX CORPORATION LTD.	187293	179493	171756	67
BALMER LAWRIE & CO. LTD.	182808	171560	286864	68
BRIDGE & ROOF CO.(INDIA) LTD.	175480	171687	143478	69
ENGINEERING PROJECTS (INDIA) LTD.	162145	129546	103128	70
I T I LTD.	161189	125444	62095	71
HSCC (INDIA) LTD.	151116	102180	4228	72
ELECTRONICS CORPN. OF INDIA LTD.	148170	147356	131988	73
CENTRAL WAREHOUSING CORPN.	148062	154066	147333	74
INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	147927	117403	111785	75
ENGINEERS INDIA LTD.	144864	151101	171870	76
INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	143262	138173	109492	77
M S T C LTD.	142869	289155	542497	78
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	140447	160588	153051	79
MADRAS FERTILIZERS LTD.	140333	120451	170526	80
NHDC LTD.	130693	95090	137088	81
RITES LTD.	130335	108601	110428	82
URANIUM CORPORATION OF INDIA LTD.	126599	101426	87394	83
NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	124141	84774	81852	84
HINDUSTAN COPPER LTD.	122039	107187	113820	85
NATIONAL TEXTILE CORPN. LTD.	116850	112921	121395	86
HINDUSTAN STEELWORKS COSTN. LTD.	114657	134751	147100	87



CPSE	Gross Turnover / Revenue			Rank
	2016-17	2015-16	2014-15	2016-17
TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	113905	132772	80208	88
NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	111822	94072	110851	89
GOA SHIPYARD LTD.	105545	76233	57551	90
HLL LIFECARE LTD.	105435	104469	106438	91
MOIL LTD.	98984	63460	83116	92
CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	93052	75927	81654	93
GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	93041	166200	161469	94
KIOCL LTD.	92936	20557	63037	95
WAPCOS LTD.	92136	82644	91454	96
E. C. G. C. LTD.	87405	98327	102244	97
NATIONAL SEEDS CORPN. LTD.	86234	75297	85798	98
RAILTEL CORPORATION INDIA LTD.	84786	57221	48182	99
MISHRA DHATU NIGAM LTD.	80971	76145	65570	100
SOLAR ENERGY CORPORATION OF INDIA	78536	57390	3760	101
BRAHMAPUTRA CRACKERS & POLYMER LTD.	77849	192	0	102
HINDUSTAN SHIPYARD LTD.	62904	58477	28151	103
KAMARAJAR PORT LTD.	62014	61649	56644	104
HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	59182	197252	274082	105
DREDGING CORPN. OF INDIA LTD.	58587	66586	73496	106
AIR INDIA AIR TRANSPORT SERVICES LTD.	57491	57491	65324	107
AIR INDIA ENGINEERING SERVICES LTD.	57075	57075	14201	108
PAWAN HANS LTD.	50017	45325	52236	109
INDIA TOURISM DEV. CORPN. LTD.	47315	43713	47228	110
INDIAN RARE EARTHS LTD.	46210	36299	42351	111
BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	44721	62827	59944	112
HEAVY ENGINEERING CORPN. LTD.	44033	41305	40003	113
ANDREW YULE & COMPANY LTD.	42874	37552	39426	114
HINDUSTAN PAPER CORPORATION LTD.	40482	40482	81880	115
KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	38925	32954	24917	116
KANTI BIJLEE UTPADAN NIGAM LTD.	38825	37552	45998	117
HPCL BIOFUELS LTD.	38252	16874	19771	118
CEMENT CORPN. OF INDIA LTD.	37368	43636	45072	119
HINDUSTAN INSECTICIDES LTD.	36951	33475	33991	120
CONCOR AIR LTD.	36852	33989	30029	121
AIRLINE ALLIED SERVICES LTD.	36619	26820	22663	122
MECON LTD.	34909	32785	43059	123
MINERAL EXPLORATION CORPN. LTD.	34791	26732	26566	124
HINDUSTAN NEWSPRINT LTD.	33794	33190	34108	125
COAL INDIA LTD.	31118	17716	41425	126
FERRO SCRAP NIGAM LTD.	31058	33416	26410	127
IRCON SHIVPURI GUNA TOLLWAY LTD.	29412	656	0	128
CENTRAL ELECTRONICS LTD.	29197	21118	16829	129
INDIA TRADE PROMOTION ORGANISATION	26314	24553	24593	130
HINDUSTAN PREFAB LTD.	26019	42323	25013	131

CPSE	Gross Turnover / Revenue			Rank
	2016-17	2015-16	2014-15	2016-17
ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	24067	18935	16270	132
RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	23037	21431	22440	133
HMT MACHINE TOOLS LTD.	19753	21783	19121	134
BURN STANDARD COMPANY LTD.	19279	12070	13318	135
REC POWER DISTRIBUTION CO. LTD.	18268	14797	8543	136
PATRATU VIDYUT UTPADAN NIGAM LTD.	18209	0	0	137
BROADCAST ENGG. CONSULTANTS INDIA LTD.	17993	2927	7723	138
IRCON PB TOLLWAY LTD.	17789	4589	0	139
NATIONAL FILM DEV. CORPN. LTD.	16214	11151	2763	140
POWER SYSTEM OPERATION CORPORATION LTD.	15895	16519	19708	141
HINDUSTAN ORGANIC CHEMICALS LTD.	15828	12081	16831	142
EdCIL(India) Ltd.	15822	17028	7414	143
BRAITHWAITE & CO. LTD.	15419	12070	12411	144
SAIL REFRACTORY COMPANY LTD.	14178	13081	14288	145
BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	12753	9105	7484	146
BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	12537	12803	14624	147
BEL OPTRONICS DEVICES LTD.	12388	10928	10265	148
PETRONET CCK LTD.	10978	10778	0	149
SCOOTERS INDIA LTD.	10856	15210	16781	150
NBCC SERVICES LTD.	10726	8099	0	151
PFC CONSULTING LTD.	10346	6026	3741	152
BENGAL CHEMICALS & PHARMACEUTICALS LTD.	9248	9623	4958	153
BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	8918	14872	20022	154
CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	8750	8577	8267	155
BHARTIYA RAIL BIJLEE CO. LTD.	8687	0	0	156
CENTRAL RAILSIDE WAREHOUSE CO. LTD.	8442	8555	9957	157
GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	7766	4735	4943	158
BHARAT PUMPS & COMPRESSORS LTD.	7527	7858	10265	159
INSTRUMENTATION LTD.	7438	11787	15917	160
POWERGRID VIZAG TRANSMISSION LTD.	6759	781	0	161
INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	6646	3630	3203	162
PFC GREEN ENERGY LTD.	6479	3871	3365	163
THE JUTE CORPN. OF INDIA LTD.	6330	7372	14563	164
MUMBAI RAILWAY VIKAS CORPORATION LTD.	6030	6584	6334	165
RAILWAY ENERGY MANAGEMENT COMPANY LTD.	5567	1710	26	166
INDIAN DRUGS & PHARMACEUTICALS LTD.	5301	8714	6355	167
FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	5133	6380	8244	168
HOTEL CORPN. OF INDIA LTD.	4999	4642	5026	169
NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	4833	4743	3786	170
NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	4752	4486	3341	171
BHARAT PETRO RESOURCES LTD.	4750	0	0	172
PROJECTS & DEVELOPMENT INDIA LTD.	4599	6429	4639	173

CPSE	Gross Turnover / Revenue			Rank
	2016-17	2015-16	2014-15	2016-17
NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	4296	2382	0	174
REC TRANSMISSION PROJECTS CO. LTD.	4153	3409	6375	175
IRCON INFRASTRUCTURE & SERVICES LTD.	4098	7405	3639	176
CERTIFICATION ENGINEERS INTERNATIONAL LTD.	3818	3756	3440	177
HINDUSTAN FLUOROCARBONS LIMITED	3806	3963	3275	178
NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	3752	3752	3752	179
TAMIL NADU TRADE PROMOTION ORGANISATION	3718	3152	4355	180
HLL INFRA TECH SERVICES LTD.	3656	1954	0	181
RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	3653	3653	2490	182
THE BISRA STONE LIME COMPANY LTD.	3611	3849	710	183
RICHARDSON & CRUDDAS(1972) LTD.	3547	2194	5762	184
VIGNYAN INDUSTRIES LTD.	3321	3218	3067	185
BHEL ELECTRICAL MACHINES LTD.	3224	4179	2188	186
NEPA LTD.	3034	7130	10223	187
NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	2888	2343	2442	188
NATIONAL RESEARCH DEVELOPMENT CORPN.	2529	1748	861	189
NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	2477	2262	1537	190
HMT (INTERNATIONAL) LTD.	2398	3391	3340	191
ORISSA DRUGS & CHEMICALS LTD.	2124	2124	1909	192
POWERGRID NM TRANSMISSION LTD.	1892	0	0	193
SAMBHAR SALTS LTD.	1875	1907	1894	194
RAILTEL ENTERPRISES LTD.	1671	569	95	195
HOOGHLY PRINTING COMPANY LTD.	1614	1705	1599	196
NORTH EASTERN HANDICRAFTS & HANDLOOM DEV. CORPN. LTD.	1473	1215	827	197
NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	1278	1071	1206	198
HINDUSTAN ANTIBIOTICS LTD.	1073	1512	1854	199
HMT LTD.	1043	726	6147	200
PRIZE PETROLEUM COMPANY LTD.	982	901	895	201
NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	894	979	893	202
KUMARAKRUPPA FRONTIER HOTELS LTD.	879	815	600	203
MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	732	711	679	204
HMT WATCHES LTD.	729	490	975	205
ASSAM ASHOK HOTEL CORPN. LTD.	699	699	644	206
IIFCL PROJECTS LTD.	678	649	0	207
HINDUSTAN SALTS LTD.	656	431	730	208
BHARAT WAGON & ENGG. CO. LTD.	613	178	587	209
PONDICHERRY ASHOK HOTEL CORPN. LTD.	544	387	285	210
IDPL (TAMILNADU) LTD.	541	904	812	211
TCIL BINA TOLL ROAD LTD.	515	485	498	212
INDIA POST PAYMENT BANK LTD	501	0	0	213
NBCC ENGINEERING AND CONSULTANCY LTD.	492	0	0	214
MILLENNIUM TELECOM LTD.	482	137	282	215

CPSE	Gross Turnover / Revenue			Rank
	2016-17	2015-16	2014-15	2016-17
SIDCUL CONCOR INFRA COMPANY LTD.	456	190	0	216
IIFCL ASSET MANAGEMENT COMPANY LTD.	441	403	0	217
POWERGRID UNCHAHAR TRANSMISSION LTD.	408	0	0	218
POWER GRID WARORA TRANSMISSION LTD.	366	0	0	219
KARNATAKA TRADE PROMOTION ORGANISATION	366	482	658	220
HMT BEARINGS LTD.	316	1184	1657	221
DONYI POLO ASHOK HOTEL LTD.	307	285	253	222
ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV. CORP.LTD	298	298	273	223
NATIONAL JUTE MANUFACTURES CORPORATION LTD.	273	4299	3770	224
HMT CHINAR WATCHES LTD.	224	11	91	225
TCIL LAKHNADONE TOLL ROAD LTD.	193	0	0	226
BIRDS JUTE & EXPORTS LTD.	188	81	0	227
PFC CAPITAL ADVISORY SERVICE LTD.	153	315	443	228
BEL-THALES SYSTEMS LTD.	145	0	0	229
EASTERN INVESTMENT LTD.	100	162	0	230
RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	76	132	168	231
JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	51	0	0	232
FRESH & HEALTHY ENTERPRISES LTD.	47	2287	3214	233
TUNGABHADRA STEEL PRODUCTS LTD.	37	37	37	234
BHARAT BROADBAND NETWORK LTD.	32	41	41	235
BRITISH INDIA CORPORATION LTD.	26	22	64	236
CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	24	71	93	237
HLL BIOTECH LTD.	20	6	115	238
INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	15	0	0	239
AGRINNOVATE INDIA LTD.	13	167	49	240
RITES INFRASTRUCTURE SERVICES LTD.	3	1369	5397	241

**STATEMENT - 14**  
**RANKING OF CPSEs IN TERMS OF EMPLOYMENT IN 2016-17**

CPSE	No. of Employees ( excluding casual labour )			Rank
	2016-17	2015-16	2014-15	2016-17
BHARAT SANCHAR NIGAM LTD.	196448	211086	225512	1
STEEL AUTHORITY OF INDIA LTD.	82964	88655	93352	2
EASTERN COALFIELDS LTD.	64029	66238	68681	3
SOUTH EASTERN COALFIELDS LTD.	61209	64505	67800	4
BHARAT COKING COAL LTD.	51147	53670	56051	5
WESTERN COALFIELDS LTD.	47632	49062	50071	6
CENTRAL COALFIELDS LTD.	42156	43681	45011	7
BHARAT HEAVY ELECTRICALS LTD.	39821	42198	44905	8
OIL & NATURAL GAS CORPORATION LTD.	33660	33927	33185	9
INDIAN OIL CORPORATION LTD.	33135	32803	32962	10
HINDUSTAN AERONAUTICS LTD.	29526	30300	31144	11
MAHANAGAR TELEPHONE NIGAM LTD.	27919	31070	33770	12
FOOD CORPN. OF INDIA	23642	21047	73961	13
MAHANADI COALFIELDLS LTD.	22036	22397	22259	14
NTPC LTD.	20593	21633	22496	15
RASHTRIYA ISPAT NIGAM LTD.	17838	17873	18137	16
AIRPORTS AUTHORITY OF INDIA	17489	17327	17410	17
NORTHERN COALFIELDS LTD.	15357	16078	16226	18
NLC INDIA LTD.	15030	15880	16445	19
ANDREW YULE & COMPANY LTD.	14757	14858	14983	20
BHARAT PETROLEUM CORPN. LTD.	12484	12623	12687	21
AIR INDIA LTD.	11827	12826	14013	22
NUCLEAR POWER CORPN. OF INDIA LTD.	11303	11392	11595	23
HINDUSTAN PETROLEUM CORPN. LTD.	10422	10538	10634	24
SECURITY PRINTING & MINTING CORPN. INDIA LTD.	10354	11052	11784	25
BHARAT ELECTRONICS LTD.	9716	9848	9703	26
POWER GRID CORPORATION OF INDIA LTD.	8887	8298	8425	27
BEML LTD.	8221	8827	9599	28
NHPC LTD.	8009	8654	9211	29
NATIONAL TEXTILE CORPN. LTD.	7748	7603	8030	30
OIL INDIA LTD.	7228	7532	7892	31
NATIONAL ALUMINIUM COMPANY LTD.	6938	7100	7320	32
MOIL LTD.	6201	6305	6417	33
NMDC Ltd.	5572	5773	5490	34
KONKAN RAILWAY CORPORATION LTD.	5162	5052	4943	35
MAZAGON DOCK SHIPBUILDERS LTD.	5083	8933	8925	36
URANIUM CORPORATION OF INDIA LTD.	4773	4707	4685	37
AIR INDIA ENGINEERING SERVICES LTD.	4440	4440	4000	38
GAIL (INDIA) LTD.	4355	4316	4266	39

CPSE	No. of Employees ( excluding casual labour )			Rank
	2016-17	2015-16	2014-15	2016-17
I T I LTD.	4052	5229	6098	40
CENTRAL WAREHOUSING CORPN.	3639	4078	4557	41
RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	3527	3775	3957	42
NATIONAL FERTILIZERS LTD.	3517	3595	3798	43
CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	3498	3622	3629	44
BHARAT DYNAMICS LTD.	3182	3132	3183	45
ENGINEERS INDIA LTD.	2939	3042	3166	46
HINDUSTAN COPPER LTD.	2843	3252	3676	47
COAL INDIA LTD.	2570	2734	2895	48
GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	2401	2592	2834	49
AIR INDIA AIR TRANSPORT SERVICES LTD.	2342	2342	6765	50
BITES LTD.	2326	2280	2279	51
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	2304	2421	2565	52
ONGC VIDESH LTD.	2263	2223	2119	53
ELECTRONICS CORPN. OF INDIA LTD.	2239	2517	2863	54
FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	2180	2400	2592	55
NBCC (INDIA) LTD.	1951	1997	2047	56
THDC INDIA LTD.	1936	1990	2013	57
MANGALORE REFINERY & PETROCHEMICALS LTD.	1917	1812	1720	58
HINDUSTAN PAPER CORPORATION LTD.	1840	1840	1840	59
COCHIN SHIPYARD LTD.	1829	1671	1786	60
HLL LIFECARE LTD.	1733	1870	1814	61
SJVN LTD.	1691	1755	1824	62
INDIAN RARE EARTHS LTD.	1662	1790	1961	63
HMT MACHINE TOOLS LTD.	1651	1902	2218	64
CHENNAI PETROLEUM CORPORATION LTD.	1645	1637	1628	65
NATIONAL SEEDS CORPN. LTD.	1514	1538	1650	66
INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	1480	1472	1502	67
CONTAINER CORPORATION OF INDIA LTD.	1471	1331	1332	68
HEAVY ENGINEERING CORPN. LTD.	1456	1550	1757	69
GOA SHIPYARD LTD.	1390	1605	1568	70
MECON LTD.	1384	1466	1563	71
HINDUSTAN SHIPYARD LTD.	1352	1548	1646	72
BRIDGE & ROOF CO.(INDIA) LTD.	1312	1366	1409	73
INDIA TOURISM DEV. CORPN. LTD.	1232	1403	1577	74
M M T C LTD.	1225	1342	1438	75
MINERAL EXPLORATION CORPN. LTD.	1215	1249	1355	76
BRITISH INDIA CORPORATION LTD.	1209	1345	1490	77
BALMER LAWRIE & CO. LTD.	1188	1248	1365	78
IRCON INTERNATIONAL LTD.	1183	1318	1359	79

CPSE	No. of Employees ( excluding casual labour )			Rank
	2016-17	2015-16	2014-15	2016-17
HOTEL CORPN. OF INDIA LTD.	1067	925	1201	80
AIR INDIA EXPRESS LTD.	1055	771	771	81
HINDUSTAN ANTIBIOTICS LTD.	997	1025	1051	82
HINDUSTAN INSECTICIDES LTD.	992	1115	1210	83
ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	929	929	1065	84
KIOCL LTD.	922	938	947	85
HOUSING & URBAN DEV. CORPN. LTD.	875	863	892	86
NUMALIGARH REFINERY LTD.	870	878	878	87
WAPCOS LTD.	870	810	674	88
HINDUSTAN ORGANIC CHEMICALS LTD.	868	957	1041	89
NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	857	972	1174	90
TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	854	889	886	91
FERRO SCRAP NIGAM LTD.	839	890	957	92
COTTON CORPN. OF INDIA LTD.	839	925	980	93
DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	831	758	647	94
NATIONAL SMALL INDUSTRIES CORPN. LTD.	830	903	880	95
INDIA TRADE PROMOTION ORGANISATION	792	843	884	96
SHIPPING CORPORATION OF INDIA LTD.	775	796	792	97
MISHRA DHATU NIGAM LTD.	756	772	836	98
HPCL BIOFUELS LTD.	744	394	394	99
KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	731	712	728	100
THE BISRA STONE LIME COMPANY LTD.	724	766	787	101
INSTRUMENTATION LTD.	712	849	996	102
MADRAS FERTILIZERS LTD.	684	723	693	103
STATE TRADING CORPN. OF INDIA LTD.	671	692	738	104
CEMENT CORPN. OF INDIA LTD.	668	750	813	105
BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	645	711	835	106
E. C. G. C. LTD.	603	644	655	107
BHARAT WAGON & ENGG. CO. LTD.	600	661	711	108
BRAHMAPUTRA CRACKERS & POLYMER LTD.	592	579	430	109
NEPA LTD.	588	811	635	110
RURAL ELECTRIFICATION CORPN. LTD.	566	600	601	111
RAILTEL CORPORATION INDIA LTD.	553	535	525	112
NHDC LTD.	547	556	533	113
AIRLINE ALLIED SERVICES LTD.	533	454	664	114
BURN STANDARD COMPANY LTD.	525	610	683	115
DREDGING CORPN. OF INDIA LTD.	508	523	560	116
RAIL VIKAS NIGAM LTD.	502	446	415	117
POWER FINANCE CORPORATION LTD.	496	467	450	118
HINDUSTAN NEWSPRINT LTD.	495	563	640	119



CPSE	No. of Employees ( excluding casual labour )			Rank
	2016-17	2015-16	2014-15	2016-17
BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	483	350	563	120
ONGC MANGALORE PETROCHEMICALS LTD.	457	465	0	121
POWER SYSTEM OPERATION CORPORATION LTD.	456	451	444	122
CENTRAL ELECTRONICS LTD.	454	488	518	123
ORISSA MINERAL DEVELOPMENT COMPANY LTD.	450	514	564	124
PAWAN HANS LTD.	449	446	456	125
BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	417	397	403	126
BHARAT PUMPS & COMPRESSORS LTD.	391	523	638	127
PROJECTS & DEVELOPMENT INDIA LTD.	370	386	393	128
ENGINEERING PROJECTS (INDIA) LTD.	369	397	436	129
THE JUTE CORPN. OF INDIA LTD.	362	709	588	130
BENGAL CHEMICALS & PHARMACEUTICALS LTD.	320	370	405	131
M S T C LTD.	309	324	307	132
ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	300	301	314	133
BRAITHWAITE & CO. LTD.	280	322	330	134
CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	277	285	295	135
HMT LTD.	268	1218	1421	136
SCOOTERS INDIA LTD.	260	398	594	137
HINDUSTAN PREFAB LTD.	247	234	256	138
RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	239	250	252	139
MUMBAI RAILWAY VIKAS CORPORATION LTD.	234	217	198	140
NLC TAMIL NADU POWER LTD.	233	232	186	141
NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	208	215	208	142
SAIL REFRACTORY COMPANY LTD.	204	207	232	143
KANTI BIJLEE UTPADAN NIGAM LTD.	192	187	195	144
GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	186	194	199	145
NAGALAND PULP & PAPER COMPANY LTD.	181	181	183	146
HSCC (INDIA) LTD.	176	160	151	147
BHEL ELECTRICAL MACHINES LTD.	174	178	175	148
BHARTIYA RAIL BIJLEE CO. LTD.	173	135	125	149
HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	170	217	348	150
RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	160	160	171	151
HLL BIOTECH LTD.	157	71	39	152
INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	152	137	127	153
HMT WATCHES LTD.	146	640	1005	154
HLL INFRA TECH SERVICES LTD.	142	506	0	155
P E C LTD.	130	150	169	156
INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	129	131	131	157
BEL OPTRONICS DEVICES LTD.	127	130	133	158
NAINI AEROSPACE LTD.	125	0	0	159

CPSE	No. of Employees ( excluding casual labour )			Rank
	2016-17	2015-16	2014-15	2016-17
HINDUSTAN FLUOROCARBONS LIMITED	124	141	151	160
BHARAT BROADBAND NETWORK LTD.	118	107	109	161
IDPL (TAMILNADU) LTD.	112	124	124	162
BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	112	112	115	163
SAMBHAR SALTS LTD.	110	107	118	164
HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	105	114	119	165
KAMARAJAR PORT LTD.	103	101	102	166
EdCIL(India) Ltd.	96	79	78	167
INDIA INFRASTRUCTURE FINANCE CO. LTD.	93	88	79	168
NATIONAL FILM DEV. CORPN. LTD.	92	96	99	169
VIGNYAN INDUSTRIES LTD.	86	95	113	170
NBCC SERVICES LTD.	84	90	0	171
PATRATU VIDYUT UTPADAN NIGAM LTD.	84	30	0	172
ANTRIX CORPORATION LTD.	80	75	74	173
NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	76	78	75	174
TUNGABHADRA STEEL PRODUCTS LTD.	75	75	75	175
HINDUSTAN SALTS LTD.	72	77	222	176
SOLAR ENERGY CORPORATION OF INDIA	71	62	36	177
CERTIFICATION ENGINEERS INTERNATIONAL LTD.	71	72	73	178
SJVN THERMAL PVT. LTD.	71	62	39	179
NATIONAL RESEARCH DEVELOPMENT CORPN.	70	75	80	180
NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	64	67	69	181
ASSAM ASHOK HOTEL CORPN. LTD.	63	63	65	182
ORISSA DRUGS & CHEMICALS LTD.	61	61	61	183
BROADCAST ENGG. CONSULTANTS INDIA LTD.	59	58	67	184
MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	57	58	60	185
NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	54	54	53	186
NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	50	50	50	187
HOOGHLY PRINTING COMPANY LTD.	49	47	47	188
CENTRAL RAILSIDE WAREHOUSE CO. LTD.	49	53	34	189
NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	46	47	47	190
FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	46	50	58	191
NEYVELI UTTAR PRADESH POWER LTD	45	18	17	192
HOOGHLY DOCK AND PORT ENGINEERS LTD.	45	45	339	193
PETRONET CCK LTD.	43	41	0	194
NTPC VIDYUT VYAPAR NIGAM LTD.	43	46	50	195
INDIAN DRUGS & PHARMACEUTICALS LTD.	42	66	95	196
BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	39	41	27	197
HINDUSTAN STEELWORKS COSTN. LTD.	37	59	106	198
RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	37	38	42	199
NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	36	33	32	200
LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	33	30	33	201
NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	33	33	33	202

CPSE	No. of Employees ( excluding casual labour )			Rank
	2016-17	2015-16	2014-15	2016-17
TCIL BINA TOLL ROAD LTD.	32	0	0	203
REC POWER DISTRIBUTION CO. LTD.	31	0	13	204
HMT (INTERNATIONAL) LTD.	28	32	39	205
DONYI POLO ASHOK HOTEL LTD.	26	26	26	206
NBCC ENGINEERING AND CONSULTANCY LTD.	24	24	0	207
FRESH & HEALTHY ENTERPRISES LTD.	23	24	27	208
NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	23	20	21	209
PRIZE PETROLEUM COMPANY LTD.	20	22	23	210
INDIAN RAILWAY FINANCE CORPORATION LTD.	18	18	19	211
PONDICHERRY ASHOK HOTEL CORPN. LTD.	16	19	19	212
JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	16	0	0	213
IIFCL PROJECTS LTD.	15	13	0	214
INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	14	14	13	215
STCL LTD.	13	13	14	216
IRCON INFRASTRUCTURE & SERVICES LTD.	12	14	9	217
BEL-THALES SYSTEMS LTD.	12	8	0	218
BUNDELKHAND SAUR URJA LTD.	11	6	0	219
RICHARDSON & CRUDDAS(1972) LTD.	11	16	17	220
CHHATTISGARH EAST RAILWAYS LTD.	10	9	0	221
CHHATTISGARH EAST-WEST RAILWAYS LTD.	10	0	0	222
KOLKATA METRO RAIL CORPORATION LTD.	9	38	33	223
MAHANADI BASIN POWER LTD.	8	10	10	224
FERTILIZER CORPN. OF INDIA LTD.	6	9	13	225
IIFCL ASSET MANAGEMENT COMPANY LTD.	6	6	0	226
J & K MINERAL DEVELOPMENT CORPN. LTD.	6	6	5	227
TAMIL NADU TRADE PROMOTION ORGANISATION	6	5	5	228
HINDUSTAN FERTILIZER CORPN. LTD.	4	4	6	229
POWERGRID VIZAG TRANSMISSION LTD.	3	3	4	230
POWERGRID NM TRANSMISSION LTD.	3	3	0	231
INDIA POST PAYMENT BANK LTD	3	0	0	232
MJSJ COAL LTD.	3	0	18	233
KUMARAKRUPPA FRONTIER HOTELS LTD.	3	3	3	234
EASTERN INVESTMENT LTD.	2	2	2	235
MNH SHAKTI LTD.	2	2	16	236
NMDC-CMDC LTD.	2	2	2	237
INDIAN VACCINE CORP. LTD.	2	2	3	238
HLL MEDIPARK LTD	2	0	0	239
RAILTEL ENTERPRISES LTD.	2	2	0	240
AGRINNOVATE INDIA LTD.	2	5	8	241
BHARAT PETRO RESOURCES LTD.	2	50	50	242
KARNATAKA TRADE PROMOTION ORGANISATION	1	2	2	243
INDIAN OIL-CREDA BIOFUELS LTD.	1	3	3	244

**STATEMENT - 15**  
**RANKING OF CPSEs IN TERMS OF GROSS BLOCK IN 2016-17**

(₹ in Lakhs)

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2016-17		2015-16		2014-15		2016-17
BHARAT SANCHAR NIGAM LTD.	24730884	10770700	24411527	10888388	17236688	4385499	1
NTPC LTD.	19248691	9935572	16404850	9177325	18497108	7884907	2
POWER GRID CORPORATION OF INDIA LTD.	18561431	13550796	16513197	11494230	17118841	8968621	3
OIL & NATURAL GAS CORPORATION LTD.	16668061	10480705	14255721	9427908	29004210	9820176	4
INDIAN OIL CORPORATION LTD.	12944650	10787949	11706268	9134697	15796695	6625147	5
STEEL AUTHORITY OF INDIA LTD.	10783973	5028461	10268092	4592507	9440119	3616861	6
ONGC VIDESH LTD.	10637803	4889088	10720796	5036307	11592885	5646586	7
NUCLEAR POWER CORPN. OF INDIA LTD.	5455467	3186566	4833839	2245814	5488824	2185653	8
BHARAT PETROLEUM CORPN. LTD.	4676079	3143731	3770021	2320778	4947531	2031506	9
HINDUSTAN PETROLEUM CORPN. LTD.	4297513	3613188	3758806	3310757	5164934	2906281	10
NHPC LTD.	4109731	2097272	3925081	2129941	4903686	2269516	11
GAIL (INDIA) LTD.	3465180	2850619	3288420	2846695	4574928	2775968	12
RASHTRIYA ISPAT NIGAM LTD.	3070442	1292810	2826415	1195515	2610351	535674	13
AIR INDIA LTD.	2862794	2819565	4047168	2845222	4450261	3342997	14
MAHANAGAR TELEPHONE NIGAM LTD.	2766442	858507	2735564	943865	2730634	1043231	15
AIRPORTS AUTHORITY OF INDIA	2388109	767977	2228184	758169	2148564	824772	16
NLC INDIA LTD.	1597550	962504	1274859	965423	1946351	642566	17
SHIPPING CORPORATION OF INDIA LTD.	1597294	1141068	1585131	1182721	1778880	1144446	18
HINDUSTAN AERONAUTICS LTD.	1578468	725340	1434990	692526	523902	140630	19
MANGALORE REFINERY & PETROCHEMICALS LTD.	1576889	1416059	1577986	1488112	2231910	1410926	20
THDC INDIA LTD.	1551050	780687	1399041	752460	1312728	795672	21
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	1476921	353589	1317882	315562	1179597	220975	22
OIL INDIA LTD.	1444169	1013083	1097677	817800	1688305	642990	23
NMDC Ltd.	1423762	195281	1189386	191845	1065466	133369	24
SJVN LTD.	1394339	797990	1359908	841234	1347375	905238	25
DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	889674	1527	571234	1636	331531	1224	26
NATIONAL ALUMINIUM COMPANY LTD.	861487	714443	770872	659568	1583443	664542	27
BRAHAMPUTRA CRACKERS & POLYMER LTD.	858906	816128	874039	800077	598992	27720	28
SOUTH EASTERN COALFIELDS LTD.	786280	528893	633329	488043	1016156	390882	29
CHENNAI PETROLEUM CORPORATION LTD.	722579	388283	1017310	411947	900711	407681	30
NLC TAMIL NADU POWER LTD.	693711	623898	688499	652021	664882	7272	31
BHARTIYA RAIL BIJLEE CO. LTD.	689456	250499	588259	47804	489013	40038	32
ONGC MANGALORE PETROCHEMICALS LTD.	668213	608096	679772	648910	0	0	33
MAHANADI COALFIELDLS LTD.	660660	394329	478381	353911	677386	308748	34

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2016-17		2015-16		2014-15		2016-17
BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	569110	21554	535639	20231	500478	20231	35
BHARAT HEAVY ELECTRICALS LTD.	554082	359588	521389	396248	1310657	414052	36
NORTHERN COALFIELDS LTD.	529071	296669	428969	300918	795774	251971	37
AIR INDIA EXPRESS LTD.	503128	303489	491518	317791	475858	326413	38
WESTERN COALFIELDS LTD.	501091	384899	396984	334289	532881	172163	39
NATIONAL FERTILIZERS LTD.	465333	405853	456312	425860	726619	444331	40
CENTRAL COALFIELDS LTD.	457608	266715	345171	274837	604295	175375	41
CONTAINER CORPORATION OF INDIA LTD.	457313	336982	366059	279999	549238	324185	42
KONKAN RAILWAY CORPORATION LTD.	454210	304381	441162	301037	432799	288087	43
KANTI BIJLEE UTPADAN NIGAM LTD.	446974	266924	396238	67786	356318	67303	44
I T I LTD.	390541	250639	382957	245844	372325	242343	45
NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	365032	326	158128	218	54	51	46
EASTERN COALFIELDS LTD.	357538	262209	745384	197599	696476	156540	47
BHARAT COKING COAL LTD.	314681	151696	269892	168403	568849	132051	48
NUMALIGARH REFINERY LTD.	304634	211955	260600	209207	461623	192522	49
URANIUM CORPORATION OF INDIA LTD.	277926	231257	300789	69546	356398	71339	50
KAMARAJAR PORT LTD.	244394	167328	210949	161757	172049	152731	51
KOLKATA METRO RAIL CORPORATION LTD.	239719	4645	186481	4660	174142	4467	52
BHARAT ELECTRONICS LTD.	227316	125519	157646	97647	262492	77111	53
FOOD CORPN. OF INDIA	219458	83842	201917	73265	182077	55808	54
NHDC LTD.	198457	124880	191059	130910	759248	521651	55
RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	193659	154159	180441	150742	411874	150032	56
DREDGING CORPN. OF INDIA LTD.	193313	180753	205931	192763	305220	187134	57
RAILTEL CORPORATION INDIA LTD.	189025	69391	169271	71053	140382	59612	58
CENTRAL WAREHOUSING CORPN.	186391	136112	176652	130110	169464	125715	59
BHARAT BROADBAND NETWORK LTD.	181349	1	120894	3177	15862	1240	60
SECURITY PRINTING & MINTING CORPN. INDIA LTD.	167848	131683	152277	129834	294086	97095	61
FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	149690	25378	149320	26973	149343	28180	62
POWERGRID VIZAG TRANSMISSION LTD.	132356	127112	110513	14971	26983	3	63
NATIONAL TEXTILE CORPN. LTD.	117548	86773	116868	99295	184171	106815	64
BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	115057	33757	114225	34985	114350	38734	65
POWERGRID NM TRANSMISSION LTD.	109233	78687	73893	2	17536	1	66
STATE TRADING CORPN. OF INDIA LTD.	102396	93126	102343	94530	102243	95955	67
PAWAN HANS LTD.	102118	86710	94024	81718	148237	86276	68
BHARAT DYNAMICS LTD.	100554	75712	87257	69288	108231	39386	69
MADRAS FERTILIZERS LTD.	98384	16525	97736	17989	96590	18334	70

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2016-17		2015-16		2014-15		2016-17
HINDUSTAN PAPER CORPORATION LTD.	97614	17070	97614	17070	97448	18095	71
MAZAGON DOCK SHIPBUILDERS LTD.	94297	54627	80729	36776	53351	26581	72
GOA SHIPYARD LTD.	94145	65652	81106	40116	30262	6606	73
GAIL GAS LTD.	93039	53385	69060	36349	52248	32323	74
MOIL LTD.	85072	32620	75228	31090	66362	29391	75
CEMENT CORPN. OF INDIA LTD.	79158	11449	77894	11919	77520	12169	76
POWER GRID WARORA TRANSMISSION LTD.	77952	3335	2957	0	0	0	77
BEML LTD.	76236	57086	70177	54446	141797	46871	78
COCHIN SHIPYARD LTD.	74818	37062	68635	37022	64962	37744	79
CHHATTISGARH EAST RAILWAYS LTD.	74095	132	25525	140	0	0	80
HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	71578	4293	71577	7433	71577	13716	81
SETHUSAMUDRAM CORPN. LTD.	71034	4	70942	5	70984	7	82
INDIAN RARE EARTHS LTD.	67410	22534	64635	24434	64364	14576	83
HINDUSTAN COPPER LTD.	66151	35425	59535	17811	171731	20201	84
HINDUSTAN ORGANIC CHEMICALS LTD.	65093	8832	65256	10073	65046	11679	85
HLL LIFECARE LTD.	62102	25461	36520	24238	49835	23450	86
FERTILIZER CORPN. OF INDIA LTD.	61304	5742	68282	6282	68278	6470	87
HPCL BIOFUELS LTD.	58335	52840	58138	55402	75765	63414	88
BURN STANDARD COMPANY LTD.	54311	46901	54302	47116	54164	47303	89
IRCON INTERNATIONAL LTD.	52090	13829	56785	14650	50260	15727	90
POWER GRID PARLI TRANSMISSION LTD.	51042	414	2409	0	0	0	91
POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	49595	918	3625	0	0	0	92
SJVN THERMAL PVT. LTD.	47003	36835	44062	36172	6166	79	93
BALMER LAWRIE & CO. LTD.	46681	39586	62565	39325	61076	40685	94
HINDUSTAN CABLES LTD.	45742	2817	47690	3274	47695	4018	95
rites LTD.	45495	26085	43049	26232	41023	21689	96
GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	43282	35834	39378	34370	57502	36574	97
HLL BIOTECH LTD.	40791	231	26266	214	8311	231	98
HEAVY ENGINEERING CORPN. LTD.	39167	7088	39380	7368	38749	7423	99
COAL INDIA LTD.	36886	30644	36229	31782	64068	8908	100
BEL OPTRONICS DEVICES LTD.	36824	24501	27463	25486	33004	27378	101
MISHRA DHATU NIGAM LTD.	36532	32738	28373	26296	39614	24428	102
INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	35722	31750	7611	2935	6844	3252	103
INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	35506	17101	32488	16498	29332	15532	104
HMT MACHINE TOOLS LTD.	34828	5102	35497	6016	34403	5541	105
BHARAT PETRO RESOURCES LTD.	34810	7209	23813	149	23585	79	106

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2016-17		2015-16		2014-15		2016-17
HINDUSTAN FERTILIZER CORPN. LTD.	34698	1954	34697	1963	34696	1973	107
ENGINEERS INDIA LTD.	33292	23284	28812	24003	45820	26970	108
AIR INDIA AIR TRANSPORT SERVICES LTD.	30992	13633	30992	13633	30844	15086	109
NATIONAL SEEDS CORPN. LTD.	30839	18650	28055	17778	21517	12082	110
IRCON SHIVPURI GUNA TOLLWAY LTD.	30069	1	656	0	0	0	111
HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	29373	28336	1877	889	1828	873	112
E. C. G. C. LTD.	29257	11770	25200	11809	27530	11849	113
ORISSA INTEGRATED POWER LTD.	29094	4	25371	5	21377	3	114
CHHATTISGARH EAST-WEST RAILWAYS LTD.	27270	131	0	0	0	0	115
KIOCL LTD.	27036	22105	26483	23823	119798	24930	116
AIR INDIA ENGINEERING SERVICES LTD.	27007	23257	27007	23257	45743	41992	117
HINDUSTAN NEWSPRINT LTD.	26602	23973	53986	21377	48154	16098	118
BRIDGE & ROOF CO.(INDIA) LTD.	26190	4020	25943	4188	26611	4893	119
NATIONAL SMALL INDUSTRIES CORPN. LTD.	25727	7746	22003	7128	16521	5970	120
NEPA LTD.	25455	2013	15572	1571	10458	1643	121
PUNJAB LOGISTIC INFRASTRUCTURE LTD.	23642	12687	15422	11698	10245	10042	122
POWER GRID JABALPUR TRANSMISSION LTD.	22803	1	2110	0	1840	0	123
HINDUSTAN SHIPYARD LTD.	22580	5412	24919	6067	25346	6705	124
HINDUSTAN ANTIBIOTICS LTD.	22564	5080	22535	5061	22241	5353	125
IRCON PB TOLLWAY LTD.	22379	1	4589	0	0	0	126
NEYVELI UTTAR PRADESH POWER LTD	22127	16727	15886	15266	16943	15263	127
RURAL ELECTRIFICATION CORPN. LTD.	21978	12111	18818	11874	11472	7393	128
CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	21262	13519	17260	10026	23291	8083	129
CENTRAL RAILSIDE WAREHOUSE CO. LTD.	21237	16357	20559	16910	20245	17520	130
POWERGRID KALA AMB TRANSMISSION LTD.	21151	299	1125	299	413	0	131
TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	20520	10120	20521	10994	18900	11325	132
ELECTRONICS CORPN. OF INDIA LTD.	20490	12345	17838	12825	32935	13115	133
HOUSING & URBAN DEV. CORPN. LTD.	20402	7209	19759	7262	19535	7469	134
ANDREW YULE & COMPANY LTD.	18790	7821	26940	18341	26386	18040	135
BENGAL CHEMICALS & PHARMACEUTICALS LTD.	18613	10252	18219	9736	17609	4316	136
INDIA TOURISM DEV. CORPN. LTD.	18558	4904	16539	4226	15632	4271	137
COASTAL TAMIL NADU POWER LTD.	18172	8360	8145	3	6769	1	138
HINDUSTAN INSECTICIDES LTD.	17165	4301	16451	4392	15628	4235	139
POWER SYSTEM OPERATION CORPORATION LTD.	17106	9638	17963	8251	34807	3643	140
MECON LTD.	17057	8171	17860	9028	16438	8372	141



CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2016-17		2015-16		2014-15		2016-17
NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	15625	7732	8737	2242	8048	2613	142
INDIA INFRASTRUCTURE FINANCE CO. LTD.	15530	202	9803	306	554	156	143
RAILWAY ENERGY MANAGEMENT COMPANY LTD.	15330	14434	15328	15046	1452	0	144
INDIAN DRUGS & PHARMACEUTICALS LTD.	15276	671	16032	1253	15244	1756	145
PATRATU VIDYUT UTPADAN NIGAM LTD.	13202	154	460	0	0	0	146
HMT LTD.	13030	1645	14320	2225	13857	2396	147
MINERAL EXPLORATION CORPN. LTD.	12643	5240	11108	5179	9238	3724	148
NAGALAND PULP & PAPER COMPANY LTD.	12295	382	12295	382	10582	383	149
TCIL BINA TOLL ROAD LTD.	12071	11519	12071	11719	12087	11918	150
HINDUSTAN STEELWORKS COSTN. LTD.	12013	5900	11980	6206	9761	4188	151
LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	11840	107	10536	101	9465	105	152
POWER FINANCE CORPORATION LTD.	11546	6257	11406	6391	11274	6579	153
IRCON INFRASTRUCTURE & SERVICES LTD.	11225	10045	11010	10392	10957	10553	154
BHARAT PUMPS & COMPRESSORS LTD.	10493	4237	10468	4683	10460	5145	155
COTTON CORPN. OF INDIA LTD.	9247	4774	9164	4928	8968	4911	156
KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	8957	5062	6827	1564	6270	1638	157
HOTEL CORPN. OF INDIA LTD.	8943	2984	8832	3072	8829	3288	158
INSTRUMENTATION LTD.	8899	2012	8901	2109	8632	2095	159
TCIL LAKHNADONE TOLL ROAD LTD.	8855	8136	7695	0	5570	0	160
SIDCUL CONCOR INFRA COMPANY LTD.	8842	8290	8178	4165	4296	95	161
FERRO SCRAP NIGAM LTD.	8330	6074	7128	5739	18295	5679	162
HINDUSTAN FLUOROCARBONS LIMITED	8094	2288	8085	2425	7634	2058	163
FRESH & HEALTHY ENTERPRISES LTD.	7990	4090	8061	4646	8168	5243	164
CENTRAL ELECTRONICS LTD.	7622	3330	7648	3727	7257	3766	165
MJSJ COAL LTD.	7551	3915	7967	4004	3518	3083	166
NMDC-CMDC LTD.	7358	1	6749	1	6732	1	167
POWERGRID UNCHAHAR TRANSMISSION LTD.	7263	7072	4252	0	299	0	168
BRAITHWAITE & CO. LTD.	6893	2045	6848	2134	6762	2239	169
PROJECTS & DEVELOPMENT INDIA LTD.	6891	1629	6909	1728	6840	1906	170
NBCC (INDIA) LTD.	6832	6328	6422	6178	4154	2622	171
PETRONET CCK LTD.	6639	5362	6444	5754	0	0	172
SOLAR ENERGY CORPORATION OF INDIA	6556	6045	6279	6171	212	141	173
M M T C LTD.	6448	5236	6303	5668	20325	5783	174
SCOOTERS INDIA LTD.	6208	1098	6178	1113	6013	1262	175
IDPL (TAMILNADU) LTD.	5970	5949	5994	5971	6020	5993	176
ORISSA MINERAL DEVELOPMENT COMPANY LTD.	5795	5672	6323	6157	15829	6865	177

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2016-17		2015-16		2014-15		2016-17
NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	5664	3658	3786	708	3731	737	178
NATIONAL JUTE MANUFACTURES CORPORATION LTD.	5543	1121	5580	1201	6102	1357	179
MUMBAI RAILWAY VIKAS CORPORATION LTD.	5535	4089	5458	4213	5245	4214	180
INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	5306	3701	4295	401	3439	372	181
RAIL VIKAS NIGAM LTD.	5210	746	4241	597	3665	579	182
TAMIL NADU TRADE PROMOTION ORGANISATION	4863	4158	4577	4173	7178	4332	183
INDIA TRADE PROMOTION ORGANISATION	4764	3781	5436	4332	11359	4629	184
ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	4611	2124	4086	1222	3385	1432	185
BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	4585	536	4541	550	4543	605	186
BRITISH INDIA CORPORATION LTD.	4473	479	4151	627	4470	659	187
CONCOR AIR LTD.	4365	3739	3777	271	1851	350	188
RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	4316	2067	3488	2084	3426	2174	189
WAPCOS LTD.	3833	1837	3324	1730	2651	1360	190
SAMBHAR SALTS LTD.	3576	1470	3381	1533	3229	1706	191
KARNATAKA TRADE PROMOTION ORGANISATION	3481	2674	2554	2477	2912	2285	192
RICHARDSON & CRUDDAS(1972) LTD.	2868	665	2714	516	2799	557	193
HPCL RAJASTHAN REFINERY LTD.	2834	0	2769	0	2760	0	194
MNH SHAKTI LTD.	2815	2218	5124	2301	5171	2341	195
J & K MINERAL DEVELOPMENT CORPN. LTD.	2741	284	2750	306	3231	330	196
ENGINEERING PROJECTS (INDIA) LTD.	2539	994	2427	941	2320	912	197
BROADCAST ENGG. CONSULTANTS INDIA LTD.	2476	1257	2275	1288	2036	1235	198
SAIL REFRACTORY COMPANY LTD.	2476	1480	2517	1689	2492	1870	199
CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	2454	1147	2578	1297	2576	1351	200
BHARAT WAGON & ENGG. CO. LTD.	2329	440	2325	523	2313	669	201
RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	2292	1387	2292	1387	2265	1492	202
INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	2194	7	2060	7	1433	10	203
TUNGABHADRA STEEL PRODUCTS LTD.	2033	293	2033	293	2033	293	204
HOOGHLY DOCK AND PORT ENGINEERS LTD.	1999	209	1999	219	1999	231	205
BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	1982	531	1927	584	1776	571	206
MAHANADI BASIN POWER LTD.	1927	1927	1538	9	1257	9	207

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2016-17		2015-16		2014-15		2016-17
MEDINIPUR-JEERAT TRANSMISSION LTD.	1920	0	26	0	0	0	208
NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1857	1452	1578	1169	1523	1184	209
ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORPLTD	1788	286	1788	286	1787	308	210
INDIAN RAILWAY FINANCE CORPORATION LTD.	1748	1152	1740	1176	1733	1201	211
PRIZE PETROLEUM COMPANY LTD.	1734	1564	1736	1581	2177	1600	212
NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	1689	1556	151	24	137	22	213
ANTRIX CORPORATION LTD.	1689	1451	1547	1432	1882	1527	214
FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	1687	835	1633	857	1032	294	215
JAGDISHPUR PAPER MILLS LTD.	1650	0	1650	0	1650	0	216
NATIONAL FILM DEV. CORPN. LTD.	1641	690	1542	719	1359	694	217
THE BISRA STONE LIME COMPANY LTD.	1628	136	160	160	1861	238	218
HINDUSTAN SALTS LTD.	1584	513	1376	311	1318	352	219
KOHIMA-MARIANI TRANSMISSION LTD.	1414	0	24	24	0	0	220
HSCC (INDIA) LTD.	1397	700	1282	635	1265	650	221
BHEL ELECTRICAL MACHINES LTD.	1096	531	1092	623	1100	711	222
INDIAN VACCINE CORP. LTD.	1088	587	1050	586	1276	629	223
EdCIL(India) Ltd.	1080	497	1074	462	1058	481	224
DEOGHAR MEGA POWER LTD.	1067	0	868	1	608	0	225
STCL LTD.	1051	410	1058	459	1089	491	226
GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	1049	415	988	386	942	388	227
NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	1006	535	1001	574	1002	619	228
NORTH EASTERN REGIONAL AGRI. MARKETING CORPLTD.	979	174	979	174	979	174	229
NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	913	503	894	516	968	557	230
VIGNYAN INDUSTRIES LTD.	909	765	1694	790	1673	840	231
HMT (INTERNATIONAL) LTD.	839	500	834	508	833	521	232
HINDUSTAN PREFAB LTD.	824	269	786	273	295	295	233
COASTAL MAHARASHTRA MEGA POWER LTD.	802	0	802	0	722	0	234
MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	689	260	684	284	636	268	235
NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	657	301	654	326	623	306	236
INDIAN CATALYST PVT. LTD.	647	612	647	612	1490	612	237
M S T C LTD.	633	357	582	426	3012	1639	238
HOOGLHY PRINTING COMPANY LTD.	633	317	643	241	643	267	239

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2016-17		2015-16		2014-15		2016-17
P E C LTD.	631	41	649	53	636	60	240
ORISSA DRUGS & CHEMICALS LTD.	590	398	590	398	584	417	241
SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	575	0	575	0	502	0	242
GHOARPALLI INTEGRATED POWER COMPANY LTD.	543	0	494	0	435	0	243
PFC CONSULTING LTD.	511	349	152	48	118	32	244
ASSAM ASHOK HOTEL CORPN. LTD.	509	180	509	180	508	191	245
INDIA POST PAYMENT BANK LTD	497	479	0	0	0	0	246
REC POWER DISTRIBUTION CO. LTD.	496	327	217	115	114	62	247
BIHAR MEGA POWER LTD.	476	0	95	0	0	0	248
COASTAL KARNATAKA POWER LTD.	440	0	440	0	387	0	249
PONDICHERRY ASHOK HOTEL CORPN. LTD.	395	175	374	173	367	186	250
THE JUTE CORPN. OF INDIA LTD.	392	235	377	229	377	238	251
BEL-THALES SYSTEMS LTD.	372	75	53	48	34	30	252
BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	318	140	306	177	301	240	253
NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	311	53	288	50	290	54	254
PUNJAB ASHOK HOTEL COMPANY LTD.	295	0	291	0	280	0	255
UTKAL ASHOK HOTEL CORPN. LTD.	289	92	288	94	288	97	256
RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	280	66	279	71	271	70	257
NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	272	123	239	115	224	117	258
BIRDS JUTE & EXPORTS LTD.	269	13	268	13	268	15	259
AIRLINE ALLIED SERVICES LTD.	267	51	434	49	418	37	260
CERTIFICATION ENGINEERS INTERNATIONAL LTD.	260	222	249	230	430	245	261
NATIONAL RESEARCH DEVELOPMENT CORPN.	234	50	226	50	249	58	262
DONYI POLO ASHOK HOTEL LTD.	192	71	192	79	180	77	263
BUNDELKHAND SAUR URJA LTD.	189	5	100	1	12	0	264
BPCL-KIAL FUEL PVT. LTD.	180	2	180	2	0	0	265
TANDA TRANSMISSION COMPANY LTD.	158	0	140	0	111	0	266
GHATAMPUR TRANSMISSION LTD.	125	0	0	0	0	0	267
CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	122	8	2214	233	6433	1403	268
AGRINNOVATE INDIA LTD.	114	50	68	68	111	94	269
NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	112	37	104	42	92	37	270
KUMARAKRUPPA FRONTIER HOTELS LTD.	93	93	95	95	680	97	271
DINGCHANG TRANSMISSION LTD.	88	0	52	0	0	0	272

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2016-17		2015-16		2014-15		2016-17
JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	63	20	0	0	0	0	273
FATEHGARH BHADLA TRANSMISSION LTD	40	0	0	0	0	0	274
MILLENNIUM TELECOM LTD.	38	1	38	1	38	1	275
HLL INFRA TECH SERVICES LTD.	35	26	0	0	0	0	276
NTPC VIDYUT VYAPAR NIGAM LTD.	34	15	38	22	79	32	277
IIFCL PROJECTS LTD.	30	8	26	11	0	0	278
REC TRANSMISSION PROJECTS CO. LTD.	28	16	14	9	10	8	279
ODISHA INFRAPOWER LTD.	20	0	16	0	11	0	280
DEOGHAR INFRA LTD.	15	0	0	0	0	0	281
IIFCL ASSET MANAGEMENT COMPANY LTD.	11	2	10	3	0	0	282
EASTERN INVESTMENT LTD.	10	5	9	4	9	4	283
HMT WATCHES LTD.	9	5	9	6	18826	723	284
HMT BEARINGS LTD.	9	9	84	84	2973	100	285
NAINI AEROSPACE LTD.	7	0	0	0	0	0	286
CHHATTISHGARH SURGUJA POWER LTD.	6	1	5696	1	5052	1	287
PFC GREEN ENERGY LTD.	5	1	6	1	8	2	288
NBCC SERVICES LTD.	5	4	2	2	0	0	289
CHEYYUR INFRA LTD.	4	0	2	0	1	0	290
PFC CAPITAL ADVISORY SERVICE LTD.	2	0	3	0	4	1	291
BIHAR INFRAPOWER LTD.	2	0	0	0	0	0	292
JHARKHAND INFRAPOWER LTD.	1	0	1	0	0	0	293
NBCC ENGINEERING AND CONSULTANCY LTD.	1	1	0	0	0	0	294
HLL MEDIPARK LTD	1	1	0	0	0	0	295
MOHINDER GARH-BHIWANI TRANSMISSION LTD.	0	0	48	0	39	0	296
SOUTH-CENTRAL EAST DELHI POWER TRANSMISSION LTD.	0	0	7	0	5	0	297
HMT CHINAR WATCHES LTD.	0	0	0	0	1214	121	298
NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	146	40	299
INDIAN OIL-CREDA BIOFUELS LTD.	0	0	624	1	622	1	300
HIGH SPEED RAIL CORPORATION OF INDIA LTD.	0	0	15	7	272	9	301
rites INFRASTRUCTURE SERVICES LTD.	0	0	614	574	614	442	302
BALLABGARH - GN TRANSMISSION CO. LTD.	0	0	70	0	62	0	303
CREDA HPCL BIOFUEL LTD.	0	0	0	0	800	24	304

**STATEMENT - 16**  
**CAPACITY UTILISATION IN MANUFACTURING CPSEs**

S.No.	Cognate Group / CPSE	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
	<b>COAL</b>					
	<b>BHARAT COKING COAL LTD.</b>					
1	Raw Coal	51.99	MT	37.04 (71.25)	35.86 (90.94)	34.51 (77.09)
2	Washed Coal	4.79	MT	1.18 (24.63)	0.60 (23.33)	0.39 (14.24)
	<b>CENTRAL COALFIELDS LTD.</b>					
3	Coal	65.03	MTe	67.047 (103.10)	61.324 (115.71)	55.652 (96.83)
	<b>COAL INDIA LTD.</b>					
4	coal	1150086.26	metric tonne	600000 (52.17)	486000 (42.26)	779000 (58.75)
	<b>EASTERN COALFIELDS LTD.</b>					
5	COAL	46.69	MT	40.52 (86.78)	40.21 (116.04)	40.01 (106.80)
	<b>MAHANADI COALFIELDLS LTD.</b>					
6	COAL	NA	LAKH METRIC TONNE	1392.08	1379.01	1213.79
	<b>NORTHERN COALFIELDS LTD.</b>					
7	COAL	94.45	Million Tonnes	84.10 (89.04)	80.22 (71.75)	72.48 (69.47)
	<b>SOUTH EASTERN COALFIELDS LTD.</b>					
8	COAL PRODUCTION	142.86	MILLION TONNES	140.00 (98)	137.93 (96)	128.28 (94)
	<b>WESTERN COALFIELDS LTD.</b>					
9	COAL	54.39	MILLION TONNES	45.632 (83.9)	44.815 (96.2)	41.147 (103.9)
	<b>CRUDE OIL</b>					
	<b>BHARAT PETRO RESOURCES LTD.</b>					
10	Crude Oil	NA	Metric Ton	18562 (0)	0 (0)	0 (0)
	<b>OIL &amp; NATURAL GAS CORPORATION LTD.</b>					
11	Crude Oil	NA	MT	25534311	25927483	25942770
12	Ethane Propane	NA	MT	420585	374701	336802
13	HSD	NA	MT	30126	33481	28703

S.No.	Cognate Group / CPSE Product	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
14	LPG	NA	MT	1354700	1195162	1095081
15	LSHS	NA	MT	26263	21586	18841
16	MTO	NA	MT	3620	2075	852
17	Naptha	NA	MT	1101231	1042624	1154660
18	Natural Gas	NA	TM3	23269961	22529541	23523675
19	SKO	NA	MT	35790	66780	72189
<b>OIL INDIA LTD.</b>						
20	Crude Oil	NA	MMT MMSCM	3.277	3.242	3.244
21	LPG	NA	TMT	35.00	41.03	43.57
22	Natural Gas	NA	MMSCM	2937.00	2837.94	2722.21
<b>ONGC VIDESH LTD.</b>						
23	Crude Oil and Condensate	NA	MMt	8.434 (0)	5.510 (0)	5.533 (0)
24	Natural Gas	NA	BCM	4.369	3.406	3.341
<b>PRIZE PETROLEUM COMPANY LTD.</b>						
25	CRUDE OIL	NA	BARREL	37058	38517	38898
<b>OTHER MINERALS &amp; METALS FCI ARAVALI GYPSUM &amp; MINERALS (INDIA) LTD.</b>						
26	GYPSUM	1212460.42	MT	581981 (48)	634097 (55)	1026379 (95)
<b>HINDUSTAN COPPER LTD.</b>						
27	CATHODE	68541.67	MT	16450 (24)	17026 (92)	15243 (82)
28	COPPER WIRE ROD	60978.57	MT	17074 (28)	21252 (35)	16682 (28)
<b>INDIAN RARE EARTHS LTD.</b>						
29	ilmenite	509369.81	tons	269966 (53)	242075 (47)	252976 (50)
30	Rutile	22168.75	tons	10641 (48)	9788 (44)	9501 (43)
31	zircon	32525	tons	11709 (36)	10785 (33)	10673 (33)



S.No.	Cognate Group / CPSE Product	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
<b>J &amp; K MINERAL DEVELOPMENT CORPN. LTD.</b>						
32	Dead Burnt Magnesite	NA	T	0 (0)	0 (0)	0 (0)
33	Dead Burnt Magnesite	NA	0	0 (0)	0 (0)	0 (0)
<b>KIOCL LTD.</b>						
34	Iron Ore Pellets	3.48	Million Tonnes	1.460 (42)	0.100 (3)	0.785 (22)
35	Pig Iron	NA	Lakh Tonnes	0 (0)	0 (0)	0 (0)
<b>MOIL LTD.</b>						
36	ELECTROLYTIC MANGANESE DIOXIDE	1003.28	MT	612 (61)	950 (95)	923 (92)
37	FERRO MANGANESE	10364.58	MT	9950 (96)	6519 (65)	10045 (100)
38	MANGANESE ORE	1035922.68	MT	1004845 (97)	1032275 (100)	1139156 (100)
<b>NATIONAL ALUMINIUM COMPANY LTD.</b>						
39	Refer Annexure III	NA	MT			
<b>NMDC Ltd.</b>						
40	Diamonds	98988.89	Carat	35636 (36)	35558 (36)	35085 (35)
41	Iron ore	36.97	million tonne	34.01 (92)	28.57 (77)	30.44 (82)
42	Sponge Iron	60822.22	Tonnes	5474 (9)	6614 (11)	28994 (48)
<b>URANIUM CORPORATION OF INDIA LTD.</b>						
43	TRIURANIUM OCTOXIDE	NA	MT			
<b>STEEL FERRO SCRAP NIGAM LTD.</b>						
44	Handling, Processing & Recovery of Scrap	11.78	Lakh M.T.	11.64 (98.81)	11.46 (97.28)	11.31 (96.34)
<b>MISHRA DHATU NIGAM LTD.</b>						
45	Super Alloys, Ti and Ti Alloys, Special Steels	6107	MT	6107 (100)	5244 (100)	4739 (100)
<b>RASHTRIYA ISPAT NIGAM LTD.</b>						
46	Bar Products LMMM & SBM	1456200	tonnes	990216 (68)	832845 (77)	782472 (110)

S.No.	Cognate Group / CPSE Product	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
47	Pig Iron	556211.11	tonnes	150177 (27)	116453 (21)	238776 (43)
48	Saleable Steel	4996327.27	tonnes	3847172 (77)	3513292 (73)	3017083 (57)
49	Structural Products	1563443.4	tonnes	828625 (53)	795402 (82)	826384 (97)
50	Wire Rods	1453417.71	tonnes	1395281 (96)	1133435 (78)	955328 (66)
<b>STEEL AUTHORITY OF INDIA LTD.</b>						
51	SALEABLE STEEL	NA	million tonnes			
52	SALEABLE STEEL	15.11	million tonnes	13.90 (92)	12.38 (82)	12.84 (116)
<b>PETROLEUM (REFINERY &amp; MARKETING) BHARAT PETROLEUM CORPN. LTD.</b>						
53	Aviation Turbine Fuel	NA	TMT			
54	Benzene	192882.79	MT	93471 (48.46)	95222 (49.36)	78064 (40.47)
55	Bitumen	NA	TMT			
56	Crude Oil	NA	TMT			
57	Fuel Refinery	22.95	mmt	24.01 (104.61)	24.12 (112.19)	23.36 (108.65)
58	Furnace Oil	NA	TMT			
59	HSD	NA	TMT			
60	LDO	NA	TMT			
61	LPG	NA	TMT			
62	Lubricants	249940.98	MT	292181 (116.90)	295509 (118.95)	287649 (115.78)
63	Motor Spirit	NA	TMT			
64	Naptha	NA	TMT			
65	Others	NA	TMT			
66	Sulpher	117674.49	MT	82278 (69.92)	88841 (75.50)	93105 (79.13)

S.No.	Cognate Group / CPSE Product	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
67	Superior Kerosene	NA	TMT			
68	Toluene	73091.09	MT	22629 (30.96)	18264 (24.98)	25215 (34.49)
<b>CHENNAI PETROLEUM CORPORATION LTD.</b>						
69	ASPHALT	499.81	TMT	521.8 (104.4)	564.1 (112.8)	427.6 (85.5)
70	ATF	780	TMT	694.2 (89)	643.0 (82.4)	704.3 (90.3)
71	FO	1464.49	TMT	1233.1 (84.2)	1015.8 (69.3)	1418.8 (96.8)
72	GASOLINE	950.3	TMT	1105.2 (116.3)	954.9 (100.5)	1050.4 (110.6)
73	HSD	4526.84	TMT	4182.8 (92.4)	3878.3 (85.7)	4473.8 (98.9)
74	LOBS	200	TMT	160.2 (80.1)	187.8 (93.9)	200.8 (100.4)
75	LPG	399.87	TMT	306.3 (76.6)	301.3 (75.3)	343.0 (85.8)
76	NAPHTHA	949.67	TMT	718.9 (75.7)	787.3 (82.9)	705.0 (74.2)
77	SKO	450.07	TMT	339.8 (75.5)	321.8 (71.5)	393.0 (87.3)
<b>HINDUSTAN PETROLEUM CORPN. LTD.</b>						
78	Petroleum	15764.6	TMT	17814 (113)	17232 (116)	16178 (109)
<b>INDIAN OIL CORPORATION LTD.</b>						
79	Petroleum/ Petrochemical	69.35	MMT	65.191 (94)	56.694 (102)	53.586 (99)
<b>MANGALORE REFINERY &amp; PETROCHEMICALS LTD.</b>						
80	Petroleum Products	15	MMT	16.27 (108.47)	15.69 (104.61)	14.65 (97.65)
<b>NUMALIGARH REFINERY LTD.</b>						
81	LPG,NAPHTHA, MS,ATF, SKO,HSD,RPC, SULPHUR,WAX	2999.78	TMT/PA	2683 (89.44)	2520 (84.01)	2777 (92.56)
<b>FERTILIZERS BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.</b>						
82	Urea	390011.3	MT	310605 (79.64)	322645 (82.73)	359003 (92.05)
<b>FERTILIZER CORPN. OF INDIA LTD.</b>						
83	Nil	NA	Not applicable	0	0	0

S.No.	Cognate Group / CPSE Product	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
				(0)	(0)	(0)
<b>FERTILIZERS &amp; CHEMICALS (TRAVANCORE) LTD.</b>						
84	Ammonium Sulphate	224997.06	MT	152953 (67.98)	79567 (35.36)	120360 (53.49)
85	Caprolactam	50000	MT	770 (1.54)	0 (0)	0 (0)
86	FACTAMFOS	633981.19	MT	640321 (101)	515435 (81.36)	614004 (96.92)
<b>HINDUSTAN FERTILIZER CORPN. LTD.</b>						
87	UREA - WHEN IN OPERATION	NA	MT	0 (0)		
<b>MADRAS FERTILIZERS LTD.</b>						
88	BIO FERTILIZERS	400	MT	111 (27.75)	277 (69.25)	349 (87.25)
89	NPK	840120.27	MT	48895 (5.82)	34816 (4.14)	74272 (8.84)
90	UREA	486739.4	MT	468438 (96.24)	407311 (86.68)	328900 (67.57)
<b>NATIONAL FERTILIZERS LTD.</b>						
91	Bio-fertilizers	659.67	MT	522 (79.13)	567 (85.91)	189 (48.46)
92	Urea	35.67	LMT	38.10 (106.8)	37.99 (106.5)	36.39 (101.9)
<b>RASHTRIYA CHEMICALS AND FERTILIZERS LTD.</b>						
93	CONCENTRATED NITRIC ACID	32961.19	MT	22084 (67)	23664 (72)	25681 (78)
94	SUPHALA 15 15 15	419195.5	MT	465307 (111)	461385 (110)	396810 (94)
95	UREA THAL	1985185.19	MT	2144000 (108)	2096816 (106)	2178010 (110)
96	UREA TROMBAY	328701.61	MT	407590 (124)	449540 (136)	423480 (128)
<b>CHEMICALS &amp; PHARMACEUTICALS</b>						
<b>BENGAL CHEMICALS &amp; PHARMACEUTICALS LTD.</b>						
97	Aguru	23.81	KL	10 (42)	3 (13)	15 (63)
98	Capsules	244782608.7	Pcs	56300000 (23)	71920000 (30)	12973900 (5)
99	Ointment	121.74	MT	28 (23)	37 (31)	44 (37)
100	Tablets	240797468.35	Pcs	190230000	200900000	30210900

S.No.	Cognate Group / CPSE Product	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
				(79)	(84)	(13)
<b>BRAHAMPUTRA CRACKERS &amp; POLYMER LTD.</b>						
101	LLDPE/HDPE/PP	270933.59	MT	99541 (36.74)	3349 (4.94)	0 (0)
<b>GOA ANTIBIOTICS &amp; PHARMACEUTICALS LTD.</b>						
102	Capsules	190006091.73	Nos	69181218 (36.41)	24900000 (14)	147800000 (82)
103	Syrup	1799946.83	Litre	575443 (31.97)	887000 (49)	1000000 (56)
104	Tablet	239999248.04	Nos	213839330 (89.10)	172800000 (72)	154300000 (64)
105	Vials	14999701.3	Nos	13106739 (87.38)	6802000 (45.35)	4100000 (27.33)
<b>HINDUSTAN ANTIBIOTICS LTD.</b>						
106	FORMULATION	NA	No in Lacs			
107	FORMULATION	20692.17	No in Lacs	1136 (5.49)	1445 (11.87)	1728 (12.89)
<b>HINDUSTAN FLUOROCARBONS LIMITED</b>						
108	PTFE	512.5	MT	41 (8)	41 (8)	106 (21)
<b>HINDUSTAN INSECTICIDES LTD.</b>						
109	DDT	NA	MT	3835		
<b>HINDUSTAN ORGANIC CHEMICALS LTD.</b>						
110	Phenol, Acetone, H2O2, Nitrobenzene, CNA, N2O4	204010	MT	40802 (20)	25905 (11)	45847 (19)
<b>INDIAN DRUGS &amp; PHARMACEUTICALS LTD.</b>						
111	Pharmaceuticals	1566800000	mg	783400000 (50)	879500000 (60)	713000000 (60)
<b>KARNATAKA ANTIBIOTICS &amp; PHARMACEUTICALS LTD.</b>						
112	As per Annexure VII	NA	Numbers in Lakhs			
<b>ONGC MANGALORE PETROCHEMICALS LTD.</b>						
113	Paraxylene, Benzene, Paraffinic Raffinate, Hydroge	1551.22	KT	1272 (82)	1089 (71)	462 (60)

S.No.	Cognate Group / CPSE	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
<b>HEAVY &amp; MEDIUM ENGINEERING</b>						
<b>BALMER LAWRIE &amp; CO. LTD.</b>						
114	BARRELS AND DRUMS	51.05	NOS LAKHS	44.41 (87)	42.07 (83)	42.30 (77)
115	GREASES & LUBRICANTS	0.69	MT LAKHS	0.36 (52)	0.36 (52)	0.37 (54)
116	LEATHER CHEMICALS	4623.08	MT	6611 (143)	6014 (198)	7782 (256)
<b>BEL OPTRONICS DEVICES LTD.</b>						
117	Image Intensifier Tube	NA	No			
<b>BEL-THALES SYSTEMS LTD.</b>						
118	Radar Product support/ Field Support	145	Service months	145 (100)	0 (0)	0 (0)
<b>BHARAT DYNAMICS LTD.</b>						
119	AKASH (GROUND SUPPORT EQPMT)	NA	RESTRICTED INFORMATION			
120	EXEMPTED FROM DISCLOSURE	NA	0			
121	EXEMPTED FROM DISCLOSURE	NA	EXEMPTED FROM DISCLOSURE			
122	NA	NA	0	0 (0)	0 (0)	0 (0)
<b>BHARAT ELECTRONICS LTD.</b>						
123	NA	NA	NA	0 (0)	0 (0)	0 (0)
<b>BHARAT HEAVY ELECTRICALS LTD.</b>						
124	Boiler	833437.5	MT	333375 (40)	321080 (39)	320540 (38)
125	Electrical Machines	2221.21	Nos	733 (33)	909 (40)	916 (41)
126	Power Transformers	45008	MVA	33756 (75)	31125 (69)	18711 (42)
127	Traction Machines	3212.5	Nos	1542 (48)	1651 (52)	1921 (60)
128	Turbines Generators ref hard copy	20245	MW	8098 (40)	4494 (22)	6384 (32)
<b>BHEL ELECTRICAL MACHINES LTD.</b>						
129	ROTATING ELECTRICAL MACHINERY	166714.29	KVA	70020 (42)	116895 (69)	117559 (70)
<b>BRAITHWAITE &amp; CO. LTD.</b>						
130	Bogie	1800.06	Nos	1210 (67.22)	1078 (59.89)	1514 (84.11)
131	Repairing of Wagon	NA	Nos	915	1269	0

S.No.	Cognate Group / CPSE	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
Product						
132	Structural	NA	MT	72	2490	0
133	Wagon	1200	Nos	777 (64.75)	526 (43.83)	738 (61.50)
<b>BURN STANDARD COMPANY LTD.</b>						
134	Wagon	2270.83	in numbers	545 (24)	318 (14)	707 (31)
<b>CENTRAL ELECTRONICS LTD.</b>						
135	Axle Counter (HASSDC & Equivalents)	600.02	Nos	770 (128.33)	657 (109.50)	599 (99.83)
136	Phase Shifters	36001.27	Nos	45430 (126.19)	36041 (100.11)	38210 (106.14)
137	Solar PV Module	28000	MW	14672 (52.40)	10023 (40.09)	3545 (24.05)
<b>COCHIN SHIPYARD LTD.</b>						
138	SHIP REPAIR	NA	Rs. Lakhs			
139	SHIPBUILDING	150310.89	DWT	151814 (101)	151747 (101)	154695 (103)
<b>ELECTRONICS CORPN. OF INDIA LTD.</b>						
140	NA	NA	LAKHS	139453 (0)	140457 (0)	126983 (0)
<b>GARDEN REACH SHIPBUILDERS &amp; ENGINEERS LTD.</b>						
141	DECK MACHINERY & PUMP	75	SET	36 (48)	58 (77)	45 (60)
142	DIESEL ENGINE	80	NOs	4 (5)	2 (2)	13 (15)
143	GENERAL ENGG.	3591.11	MT	4848 (135)	3957 (110)	3591 (99)
144	SHIP BUILDING	3235.71	ton	906 (28)	2809 (87)	3588 (111)
<b>GOA SHIPYARD LTD.</b>						
145	Shipbuilding, Ship Repair and General Engineering	0.99	Standard Ship Unit (SSU)	1.19 (119.87)	1.22 (123.16)	0.861 (86.78)
<b>HEAVY ENGINEERING CORPN. LTD.</b>						
146	24/96 Dragline	2000	Tons	16 (0.8)	188 (9.6)	585 (29.8)
147	5 Cum Rope Shovel	4091.95	Ton	356 (8.7)	274 (6.7)	876 (21.5)
148	EOT Crane	6947.87	Tons	2932 (42.2)	3851 (55.5)	2730 (39.3)



S.No.	Cognate Group / CPSE Product	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
149	Forging & Forged Rolls	9822.22	Tons	884 (9)	1321 (13.4)	1591 (16.2)
150	Machine tools & Accessories	1333.33	Tons	204 (15.3)	126 (9.4)	256 (19.2)
151	Medium & Heavy Steel casting	16287.67	Tons	1189 (7.3)	1702 (10.4)	2068 (12.6)
152	Mining Spares	1996.9	Tons	645 (32.3)	496 (24.8)	412 (20.6)
153	Steel plant items & components	1994.29	Tons	349 (17.5)	437 (21.9)	651 (32.6)
<b>HINDUSTAN AERONAUTICS LTD.</b>						
154	Manufacture, Upgrade, Repair, Overhaul and Design	268.43	Standard man hours	289.90 (108)	287.37 (106)	305.23 (110)
<b>HINDUSTAN CABLES LTD.</b>						
155	JELLY FILLED CABLE	NA	LCKM	0 (0)	0 (0)	0 (0)
<b>HINDUSTAN SHIPYARD LTD.</b>						
156	Shipbuilding, Shiprepairs, Submarine repairs	34696.36	CGT	19083 (55)	16475 (48)	16258 (47)
<b>HMT BEARINGS LTD.</b>						
157	Manufacturing and Sale of Bearings	NA	numbers			
<b>HMT CHINAR WATCHES LTD.</b>						
158	Manufacturing and Sale of Watches	NA	numbers			
<b>HMT LTD.</b>						
159	Food Processing Mcy	428.43	Numbers	437 (102)	210 (71)	232 (79)
160	Tractors	284.85	Numbers	188 (66)	633 (21)	1078 (20)
<b>HMT MACHINE TOOLS LTD.</b>						
161	Manufacturing of Machine Tools	NA	NO		480 (60)	379 (45)
<b>HMT WATCHES LTD.</b>						
162	Manufacturing and Sale of Watches	NA	numbers			
<b>HOOGLY DOCK AND PORT ENGINEERS LTD.</b>						
163	SHIP BUILDING	NA	RS.	0 (0)	1271 (0)	295 (0)
<b>I T I LTD.</b>						
164	CABLE ASSEMBLY	75000	CABLES PER YEAR	60000 (80)	7200 (9.6)	3894 (5.31)

S.No.	Cognate Group / CPSE	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
	<b>Product</b>					
165	ENCRYPTION PRODUCTS TESD	2500	Nos	1786 (71.44)	44 (1.76)	76 (3.40)
166	GPON ONT CDOT	100460.53	NOs	7635 (7.6)		
167	HAND HELD TERMINAL	3000	NOS PER YEAR	663 (22.1)	2106 (70.2)	792 (23.07)
168	SPACE ELECTRONIC FABRICATIO	2499.08	PACKAGES PER YEAR	1362 (54.50)	1360 (54.50)	925 (37)
<b>RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.</b>						
169	EMA	4500.89	Nos.	10127 (225)	9537 (212)	9111 (202)
170	SPV Systems	19081.63	kwp	9350 (49)	7350 (39)	9005 (47)
<b>RICHARDSON &amp; CRUDDAS(1972) LTD.</b>						
171	Fabrication & Erection at Chennai	4695	Metric Tonnes	939 (20)	1895 (39)	2803 (58)
172	Fabrication & Hot Pressing at Mulund	2866.67	Metric Tonnes	86 (3)	176 (6)	1403 (47)
173	Fabrication at Byculla Unit	15047.62	Metric Tonnes	158 (1.05)	278 (1.86)	359 (2.4)
174	Process Equipments and Transmission Towers at Nagp	8311.11	Metric Tonnes	1496 (18)	506 (6)	1105 (13)
<b>SAIL REFRACTORY COMPANY LTD.</b>						
175	CALCINED PRODUCTS	11000	MT	4730 (43)	4631 (42)	7418 (68)
176	FIRE BRICKS	15366.23	MT	11832 (77)	11227 (73)	13969 (91)
177	MAG CARBON BRICKS	4317.86	MT	6045 (140)	4772 (111)	4372 (101)
<b>SCOOTERS INDIA LTD.</b>						
178	Three wheeler	12500	Nos	6540 (52.32)	8176 (65.40)	13057 (79.13)
<b>VIGNYAN INDUSTRIES LTD.</b>						
179	Steel Castings	4161.02	MT	2455 (59)	2204 (53)	2240 (54)
<b>TRANSPORATATION VEHICLE &amp; EQUIPMENT BEML LTD.</b>						
180	BEML Tatra trucks	NA	quantity	363	211	18
181	Def. aggregates & others	NA	quantity	453	419	348
182	EM Equipment	NA	quantity	649	620	692

S.No.	Cognate Group / CPSE Product	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
183	Railway products	NA	quantity	207	286	380
<b>INDUSTRIAL AND CONSUMER GOODS ANDREW YULE &amp; COMPANY LTD.</b>						
184	Tea	91.07	Lakh kg	102 (112)	116 (100)	105 (94)
<b>ARTIFICIAL LIMBS MFG. CORPN. OF INDIA</b>						
185	Crutches	80779	Nos	80779 (100)	62991 (100)	63341 (100)
186	Hearing Aids	121367	Nos	121367 (100)	48544 (100)	77695 (100)
187	Orthotic Lower (Kits) & Components	23948	Nos	23948 (100)	10379 (100)	38831 (100)
188	Prosthetic Upper& Lower Kit & Components	39655	Nos	39655 (100)	29180 (100)	24113 (100)
189	Tricycles	92970	Nos	92970 (100)	80490 (100)	77012 (100)
190	Wheel Chairs	48905	Nos	48905 (100)	41309 (100)	34722 (100)
<b>CEMENT CORPN. OF INDIA LTD.</b>						
191	Cement	3898081.85	MT	790531 (20.28)	912870 (23.42)	952685 (24.44)
<b>HINDUSTAN NEWSPRINT LTD.</b>						
192	Newsprint	100001.09	MT	91831 (91.83)	100501 (100.5)	101986 (102)
<b>HINDUSTAN SALTS LTD.</b>						
193	Bromine	899.89	MT	329 (36.56)	264 (29.33)	310 (34.44)
194	Magnesium Chloride	33100	MT	331 (1)		
195	SALT	NA	MT	30514	36161	9590
<b>HLL LIFECARE LTD.</b>						
196	Blood Bags	12.51	MPCS	9.26 (74)	11.80 (94)	12.52 (100.14)
197	Condoms	1884.32	MPCS	1846.63 (98)	1795 (95)	1819 (101)
198	Copper T	5.52	MPCS	3.70 (67)	5.95 (108)	4.87 (88.63)
199	Pregnancy Test cards	26.15	MPCS	12.55 (48)	8.55 (33)	13.67 (52.58)
200	Steroidal OCP	99.74	Million Cycles	34.91 (35)	44.32 (45)	41.25 (41.81)
201	Sutures	5.97	LDoz	2.03 (34)	1.91 (32)	1.74 (29.12)

S.No.	Cognate Group / CPSE Product	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
<b>NEPA LTD.</b>						
202	Newsprint	8964000	MT	4482 (0.05)	21825 (24.80)	30035 (34.13)
<b>SAMBHAR SALTS LTD.</b>						
203	Common Salt	NA	MT	261615	205973	185064
204	Process Salt	NA	MT	19065	22022	34497
<b>SECURITY PRINTING &amp; MINTING CORPN. INDIA LTD.</b>						
205	Bank Notes	6917.32	mpcs	8785 (127)	7150 (104)	8358 (127)
206	Circulation Coins	7334.09	mpcs	9681 (132)	9254 (126)	7928 (120)
207	Non-Judicial Stamp Paper	319.32	MT	281 (88)	289 (90)	414 (129)
208	Passports & Allied Booklets	12.46	mpcs	15.577 (125)	15.277 (122)	10.693 (85)
<b>TEXTILES NATIONAL TEXTILE CORPN. LTD.</b>						
209	cloth	NA	lakh meter	201.81	171.70	171.70
210	YARN	615.43	lakh KGS	521.95 (84.81)	562.02 (86.67)	518.54 (85.47)
<b>POWER GENERATION BHARTIYA RAIL BIJLEE CO. LTD.</b>						
211	ELECTRICITY GENERATION	NA	MEGAWATT	0 (0)	0 (0)	0 (0)
<b>KANTI BIJLEE UTPADAN NIGAM LTD.</b>						
212	Electricity	1992.96	Million Unit	769.88 (38.63)	778.96 (40.31)	875.13 (66.03)
<b>NHDC LTD.</b>						
213	Electrical Power Generation	5075.9	MU	4748.50 (93.55)	2933.00 (93.04)	3691.00 (90.17)
<b>NHPC LTD.</b>						
214	Electricity	27904.33	MU	23275 (83.41)	23683 (81.60)	22038 (77.30)
<b>NLC INDIA LTD.</b>						
215	Lignite	30.6	MT	27.61 (90.23)	25.45 (83.16)	26.54 (86.73)
216	Power	33013.66	MU	21033 (63.71)	19182 (58.56)	19729 (82.11)
<b>NLC TAMIL NADU POWER LTD.</b>						
217	Electricity	8759.8	MU	6252.743	3655.412	

S.No.	Cognate Group / CPSE	Capacity	Unit	Production (% Utilisation of Capacity)		
				2016-17	2015-16	2014-15
	<b>Product</b>			(71.38)	(41.61)	
	<b>NORTH EASTERN ELECTRIC POWER CORPORATION LTD.</b>					
218	Electricity	6584.84	Million Units	5472	5220	4355
				(83.10)	(82.51)	(78.65)
	<b>NTPC LTD.</b>					
219	Electricity Generation	318.51	Billion Kwhr	250.314	241.977	241.262
				(78.59)	(78.61)	(80.23)
	<b>NUCLEAR POWER CORPN. OF INDIA LTD.</b>					
220	Generation of Electricity through nuclear energy	50001.25	MUs	40001	37456	37835
				(80)	(75)	(82)
	<b>PATRATU VIDYUT UTPADAN NIGAM LTD.</b>					
221	Electricity	963.84	MU	385.92	0	0
				(40.04)	(0)	(0)
	<b>SJVN LTD.</b>					
222	Hydro Power & Wind Power Generation	8669.61	MUs	9045	9346.12	8136.082
				(104.33)	(103.64)	(105.46)
	<b>THDC INDIA LTD.</b>					
223	Electricity	5532.91	MU	4371	4348	4214
				(79)	(78)	(79)

NOTE : FIGURE APPEARING AS "ZERO" AND "NA" RELATE TO THE INFORMATION IS NOT AVAILABLE

**STATEMENT - 17**  
**EXPENDITURE ON RESEARCH AND DEVELOPMENT IN CPSEs**

(₹ in Crores)

S. No.	CPSE	R&D as % of Sales					
		2016-17	2015-16	2014-15	2016-17	2015-16	2014-15
1	AIRPORTS AUTHORITY OF INDIA	6.42	9.31	9.87	0.05	0.09	0.11
2	ANDREW YULE & COMPANY LTD.	0.43	0	0	0.11	0	0
3	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	1.14	1.2	0.35	0.47	0.63	0.22
4	BALMER LAWRIE & CO. LTD.	5.29	5.35	7.62	0.31	0.34	0.28
5	BEL OPTRONICS DEVICES LTD.	0.29	0.29	0.5	0.29	0.29	0.49
6	BEML LTD.	78.08	66.63	82.92	3.12	2.24	2.95
7	BHARAT COKING COAL LTD.	0.13	0.59	0	0	0.01	0
8	BHARAT DYNAMICS LTD.	34.71	29.43	22.72	0.77	0.78	0.82
9	BHARAT ELECTRONICS LTD.	777	704.27	0	9.02	9.61	0
10	BHARAT HEAVY ELECTRICALS LTD.	793.62	893.07	1018.59	2.8	3.48	3.37
11	BHARAT PETROLEUM CORPN. LTD.	49.48	59.7	40.73	0.02	0.03	0.02
12	BHARAT SANCHAR NIGAM LTD.	0	79.47	75.22	0	0.28	0.28
13	BRIDGE & ROOF CO.(INDIA) LTD.	0.1	0.09	0.5	0.01	0.01	0.03
14	CENTRAL COALFIELDS LTD.	0.22	0.95	10.4	0	0.01	0.11
15	CENTRAL WAREHOUSING CORPN.	0.07	0.38	0.1	0	0.02	0.01
16	CHENNAI PETROLEUM CORPORATION LTD.	6.89	6.97	6.49	0.02	0.02	0.02
17	COCHIN SHIPYARD LTD.	0	0	0.97	0	0	0.05
18	CONTAINER CORPORATION OF INDIA LTD.	3.07	0.07	1.09	0.05	0	0.02
19	EASTERN COALFIELDS LTD.	0.14	0	0	0	0	0
20	ELECTRONICS CORPN. OF INDIA LTD.	0	0	23.2	0	0	1.83
21	ENGINEERS INDIA LTD.	12.67	16.92	17.68	0.87	1.12	1.03
22	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	0	0.21	0.36	0	0.33	0.44
23	FERRO SCRAP NIGAM LTD.	0	0	0.23	0	0	0.09
24	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	1.09	1.45	0.94	0.06	0.08	0.05
25	GAIL (INDIA) LTD.	16.76	73.46	17.01	0.03	0.14	0.03
26	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	13.19	15.2	3.52	1.43	0.92	0.22
27	GOA SHIPYARD LTD.	8.31	8.09	6.47	0.79	1.06	1.12
28	HEAVY ENGINEERING CORPN. LTD.	0.63	0	0.76	0.16	0	0.21
29	HINDUSTAN ANTIBIOTICS LTD.	1.42	0.64	0.89	16.06	4.94	5.51
30	HINDUSTAN CABLES LTD.	4.24	0.53	0.56	0	0	0
31	HINDUSTAN COPPER LTD.	2.34	5.46	2.85	0.21	0.56	0.28
32	HINDUSTAN INSECTICIDES LTD.	0.18	0.28	0	0.05	0.09	0
33	HINDUSTAN NEWSPRINT LTD.	0.41	0.44	0.53	0.12	0.13	0.16
34	HINDUSTAN PETROLEUM CORPN. LTD.	276.54	180.32	129.87	0.15	0.1	0.06
35	HINDUSTAN SALTS LTD.	0	0	0.02	0	0	0.29
36	HLL BIOTECH LTD.	0	0	3.99	0	0	346.96
37	HLL LIFECARE LTD.	6.34	6.97	9.55	0.61	0.67	0.9
38	HMT LTD.	6.51	2.4	2.85	64.2	34.58	4.73

S. No.	CPSE	R&D as % of Sales					
		2016-17	2015-16	2014-15	2016-17	2015-16	2014-15
39	HOUSING & URBAN DEV. CORPN. LTD.	1.53	2.64	2.15	0.04	0.08	0.06
40	ITI LTD.	16.3	16.38	12.94	1.07	1.38	2.25
41	INDIAN OIL CORPORATION LTD.	217.53	235.86	169.31	0.06	0.07	0.04
42	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	0	0	0.06	0	0	0.01
43	INDIAN RARE EARTHS LTD.	1.93	1.81	2.33	0.42	0.5	0.57
44	INSTRUMENTATION LTD.	0.08	0.15	0	0.12	0.14	0
45	KAMARAJAR PORT LTD.	0.33	1.27	1.09	0.05	0.21	0.19
46	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0.79	0.37	0.27	0.21	0.12	0.11
47	MAHANADI COALFIELDS LTD.	0.86	2.07	0	0.01	0.02	0
48	MANGALORE REFINERY & PETROCHEMICALS LTD.	5.35	0.55	5	0.01	0	0.01
49	MAZAGON DOCK SHIPBUILDERS LTD.	77.09	63.83	57.88	2.18	1.55	1.6
50	MECON LTD.	0.77	1.1	1.14	0.22	0.34	0.26
51	MINERAL EXPLORATION CORPN. LTD.	0.37	0	0.39	0.11	0	0.15
52	MISHRA DHATU NIGAM LTD.	11	4.58	8.45	1.42	0.64	1.31
53	MOIL LTD.	4.68	7.33	6	0.48	1.17	0.73
54	NATIONAL ALUMINIUM COMPANY LTD.	47.52	15.75	7.31	0.63	0.23	0.1
55	NATIONAL SEEDS CORPN. LTD.	0	0.01	0.11	0	0	0.01
56	NBCC (INDIA) LTD.	0	2.41	0	0	0.04	0
57	NEPA LTD.	0	1.22	0	0	1.71	0
58	NHDC LTD.	0	0.02	0.03	0	0	0
59	NHPC LTD.	4.91	5.04	3.89	0.07	0.07	0.06
60	NLC INDIA LTD.	13.35	13.82	13.16	0.15	0.21	0.22
61	NMDC Ltd.	20.3	17.64	18.49	0.23	0.27	0.15
62	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	0.56	1.11	1.26	0.04	0.07	0.08
63	NORTHERN COALFIELDS LTD.	0.64	1.83	14.15	0.01	0.02	0.15
64	NTPC LTD.	162.28	129.68	129.56	0.21	0.18	0.18
65	NUCLEAR POWER CORPN. OF INDIA LTD.	10.29	7.46	4.89	0.1	0.08	0.05
66	OIL & NATURAL GAS CORPORATION LTD.	591.86	539.74	544.53	0.76	0.69	0.66
67	OIL INDIA LTD.	63.42	46.76	71.11	0.67	0.48	0.73
68	POWER GRID CORPORATION OF INDIA LTD.	2.63	5.4	0	0.01	0.03	0
69	POWER SYSTEM OPERATION CORPORATION LTD.	0	0.21	0	0	0.13	0
70	PROJECTS & DEVELOPMENT INDIA LTD.	0	0.35	0.98	0	0.55	2.12
71	RAIL VIKAS NIGAM LTD.	0	0	1.03	0	0	0.03
72	RAILTEL CORPORATION INDIA LTD.	0	0	1	0	0	0.21
73	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	2.66	2.25	2.34	1.16	1.06	1.05
74	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	3.16	3.88	0	0.04	0.05	0
75	RASHTRIYA ISPAT NIGAM LTD.	23.53	21.74	0	0.21	0.24	0



S. No.	CPSE	R&D as % of Sales					
		2016-17	2015-16	2014-15	2016-17	2015-16	2014-15
76	RITES LTD.	0	0.12	0	0	0.01	0
77	SAMBHAR SALTS LTD.	0	0.06	5.56	0	0.31	29.36
78	SCOOTERS INDIA LTD.	0.23	0	0.09	0.24	0	0.06
79	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	0.79	0.79	0.98	0.01	0.02	0.02
80	SJVN LTD.	0.64	2.76	1.92	0.03	0.11	0.07
81	SOUTH EASTERN COALFIELDS LTD.	1.53	2.33	0	0.01	0.01	0
82	STATE TRADING CORPN. OF INDIA LTD.	0	0.5	0	0	0	0
83	STEEL AUTHORITY OF INDIA LTD.	0	277	0	0	0.71	0
84	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	0.05	0	0	0	0
85	THDC INDIA LTD.	4.34	3.45	1.54	0.21	0.14	0.06
86	VIGNYAN INDUSTRIES LTD.	0.01	0	0	0.03	0	0
87	WESTERN COALFIELDS LTD.	0.36	0	0	0.01	0	0
<b>TOTAL :</b>		<b>3401.33</b>	<b>3611.46</b>	<b>2590.29</b>	<b>113.03</b>	<b>76.18</b>	<b>415.31</b>

**STATEMENT - 18**  
**COMPONENT OF INTERNAL RESOURCES OF CPSEs GENERATED DURING 2016-17**

(₹ in Lakhs)

S. No.	Cognate Group / CPSE	Depreciation	Impairment	Retained Profits	Deferred Tax	Total
<b>AGRO BASED INDUSTRIES</b>						
1	NATIONAL SEEDS CORPN. LTD.	1925	0	3800	-106	5619
<b>SUB TOTAL :</b>		<b>1925</b>	<b>0</b>	<b>3800</b>	<b>-106</b>	<b>5619</b>
<b>COAL</b>						
2	COAL INDIA LTD.	1747	5	152059	0	153811
3	EASTERN COALFIELDS LTD.	29490	2899	613	-2430	30572
4	MAHANADI COALFIELDLS LTD.	35190	216	54028	4236	93670
5	NORTHERN COALFIELDS LTD.	49998	0	-19625	-3556	26817
<b>SUB TOTAL :</b>		<b>116425</b>	<b>3120</b>	<b>187075</b>	<b>-1750</b>	<b>304870</b>
<b>CRUDE OIL</b>						
6	OIL & NATURAL GAS CORPORATION LTD.	1315800	-96847	644664	302408	2166025
7	OIL INDIA LTD.	109073	34333	5342	12288	161036
8	ONGC VIDESH LTD.	429048	13983	69745	4792	517568
<b>SUB TOTAL :</b>		<b>1853921</b>	<b>-48531</b>	<b>719751</b>	<b>319488</b>	<b>2844629</b>
<b>OTHER MINERALS &amp; METALS</b>						
9	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	28	0	2174	636	2838
10	HINDUSTAN COPPER LTD.	14190	0	6194	629	21013
11	INDIAN RARE EARTHS LTD.	3684	0	5074	-1547	7211
12	KIOCL LTD.	2202	0	4793	-1656	5339
13	MOIL LTD.	5471	0	22568	-444	27595
14	NATIONAL ALUMINIUM COMPANY LTD.	48036	0	-15735	7667	39968
15	NMDC Ltd.	19618	0	100882	-19019	101481
16	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	485	0	465	27	977
17	URANIUM CORPORATION OF INDIA LTD.	13663	0	9106	3189	25958
<b>SUB TOTAL :</b>		<b>107377</b>	<b>0</b>	<b>135521</b>	<b>-10518</b>	<b>232380</b>
<b>STEEL</b>						
18	FERRO SCRAP NIGAM LTD.	1071	0	1307	125	2503
19	MISHRA DHATU NIGAM LTD.	1766	0	8369	-221	9914
<b>SUB TOTAL :</b>		<b>2837</b>	<b>0</b>	<b>9676</b>	<b>-96</b>	<b>12417</b>
<b>PETROLEUM (REFINERY &amp; MARKETING)</b>						
20	BHARAT PETROLEUM CORPN. LTD.	189132	0	140120	90473	419725
21	CHENNAI PETROLEUM CORPORATION LTD.	27863	6179	95806	2726	132574
22	HINDUSTAN PETROLEUM CORPN. LTD.	253528	0	202312	62828	518668
23	INDIAN OIL CORPORATION LTD.	622297	0	638389	-24545	1236141
24	MANGALORE REFINERY & PETROCHEMICALS LTD.	67792	0	364369	70236	502397
25	NUMALIGARH REFINERY LTD.	16363	0	90531	12079	118973
<b>SUB TOTAL :</b>		<b>1176975</b>	<b>6179</b>	<b>1531527</b>	<b>213797</b>	<b>2928478</b>

S. No.	Cognate Group / CPSE	Depreciation	Impairment	Retained Profits	Deferred Tax	Total
<b>FERTILIZERS</b>						
26	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	3561	0	750	0	4311
27	FERTILIZER CORPN. OF INDIA LTD.	12	0	3010	0	3022
28	HINDUSTAN FERTILIZER CORPN. LTD.	10	0	165	4	179
29	NATIONAL FERTILIZERS LTD.	8517	0	13672	4001	26190
30	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	14110	0	10622	194	24926
<b>SUB TOTAL :</b>		<b>26210</b>	<b>0</b>	<b>28219</b>	<b>4199</b>	<b>58628</b>
<b>CHEMICALS &amp; PHARMACEUTICALS</b>						
31	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	447	0	451	0	898
32	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	58	0	675	257	990
33	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	59	0	797	31	887
34	HINDUSTAN INSECTICIDES LTD.	553	0	326	0	879
35	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	554	0	302	21	877
36	INDIAN VACCINE CORP. LTD.	37	0	-20	2	19
37	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	401	0	3033	54	3488
38	ORISSA DRUGS & CHEMICALS LTD.	23	0	146	0	169
<b>SUB TOTAL :</b>		<b>2132</b>	<b>0</b>	<b>5710</b>	<b>365</b>	<b>8207</b>
<b>HEAVY &amp; MEDIUM ENGINEERING</b>						
39	BALMER LAWRIE & CO. LTD.	2584	0	10149	-482	12251
40	BEL OPTRONICS DEVICES LTD.	1997	0	482	118	2597
41	BHARAT DYNAMICS LTD.	6202	0	40207	-3323	43086
42	BHARAT ELECTRONICS LTD.	19152	0	80617	-2447	97322
43	BHARAT HEAVY ELECTRICALS LTD.	84884	0	14236	-16638	82482
44	CENTRAL ELECTRONICS LTD.	452	0	1682	0	2134
45	COCHIN SHIPYARD LTD.	3851	0	21785	837	26473
46	ELECTRONICS CORPN. OF INDIA LTD.	1936	0	3853	-694	5095
47	GOA SHIPYARD LTD.	3694	0	9500	1036	14230
48	HINDUSTAN AERONAUTICS LTD.	68074	3210	151157	14517	236958
49	HINDUSTAN CABLES LTD.	76	0	234846	0	234922
50	HINDUSTAN SHIPYARD LTD.	628	0	5377	0	6005
51	HMT CHINAR WATCHES LTD.	0	0	91	0	91
52	HOOGHLY DOCK AND PORT ENGINEERS LTD.	10	0	4146	0	4156
53	I T I LTD.	1694	0	30488	0	32182
54	MAZAGON DOCK SHIPBUILDERS LTD.	3939	0	29374	2116	35429
55	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	183	0	708	-92	799
56	RICHARDSON & CRUDDAS(1972) LTD.	78	0	1494	0	1572

S. No.	Cognate Group / CPSE	Depreciation	Impairment	Retained Profits	Deferred Tax	Total
57	SAIL REFRACTORY COMPANY LTD.	167	0	2101	0	2268
58	VIGNYAN INDUSTRIES LTD.	73	0	48	-38	83
<b>SUB TOTAL :</b>		<b>199674</b>	<b>3210</b>	<b>642341</b>	<b>-5090</b>	<b>840135</b>
<b>TRANSPORATATION VEHICLE &amp; EQUIPMENT</b>						
59	BEML LTD.	6198	0	6440	-747	11891
<b>SUB TOTAL :</b>		<b>6198</b>	<b>0</b>	<b>6440</b>	<b>-747</b>	<b>11891</b>
<b>INDUSTRIAL AND CONSUMER GOODS</b>						
60	ANDREW YULE & COMPANY LTD.	681	0	2739	534	3954
61	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	123	0	5574	0	5697
62	CEMENT CORPN. OF INDIA LTD.	664	0	4233	0	4897
63	HINDUSTAN SALTS LTD.	75	0	40	0	115
64	HOOGLHY PRINTING COMPANY LTD.	27	0	-3	18	42
65	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	12080	0	57909	-19751	50238
<b>SUB TOTAL :</b>		<b>13650</b>	<b>0</b>	<b>70492</b>	<b>-19199</b>	<b>64943</b>
<b>TEXTILES</b>						
66	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	81	0	475	0	556
67	NATIONAL TEXTILE CORPN. LTD.	13657	0	97316	0	110973
<b>SUB TOTAL :</b>		<b>13738</b>	<b>0</b>	<b>97791</b>	<b>0</b>	<b>111529</b>
<b>POWER GENERATION</b>						
68	BHARTIYA RAIL BIJLEE CO. LTD.	2849	0	766	0	3615
69	KANTI BIJLEE UTPADAN NIGAM LTD.	6027	0	-2193	0	3834
70	NHDC LTD.	7335	0	44940	2966	55241
71	NHPC LTD.	138840	0	-20076	8944	127708
72	NLC INDIA LTD.	68291	0	77612	-19504	126399
73	NLC TAMIL NADU POWER LTD.	36047	0	8785	4743	49575
74	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	16039	0	10786	5430	32255
75	NTPC LTD.	592082	0	506244	33263	1131589
76	NUCLEAR POWER CORPN. OF INDIA LTD.	99492	0	176652	-119	276025
77	PATRATU VIDYUT UTPADAN NIGAM LTD.	24	0	-7	7	24
78	SJVN LTD.	67998	0	18992	-7015	79975
79	THDC INDIA LTD.	52557	0	34818	-8142	79233
<b>SUB TOTAL :</b>		<b>1087581</b>	<b>0</b>	<b>857319</b>	<b>20573</b>	<b>1965473</b>
<b>POWER TRANSMISSION</b>						
80	POWER GRID CORPORATION OF INDIA LTD.	766280	0	594227	6116	1366623
81	POWER GRID WARORA TRANSMISSION LTD.	38	0	132	111	281
82	POWERGRID UNCHAHAHAR TRANSMISSION LTD.	191	0	-6	-3	182
83	POWERGRID VIZAG TRANSMISSION LTD.	3874	0	-2194	-860	820

S. No.	Cognate Group / CPSE	Depreciation	Impairment	Retained Profits	Deferred Tax	Total
84	REC POWER DISTRIBUTION CO. LTD.	66	0	4033	197	4296
85	REC TRANSMISSION PROJECTS CO. LTD.	7	0	3446	1	3454
<b>SUB TOTAL :</b>		<b>770456</b>	<b>0</b>	<b>599638</b>	<b>5562</b>	<b>1375656</b>
<b>TRADING &amp; MARKETING</b>						
86	ANTRIX CORPORATION LTD.	122	0	16626	546	17294
87	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	97	0	8	-6	99
88	COTTON CORPN. OF INDIA LTD.	282	0	473	365	1120
89	FOOD CORPN. OF INDIA	9768	0	0	0	9768
90	HMT (INTERNATIONAL) LTD.	14	0	7	0	21
91	INDIA TRADE PROMOTION ORGANISATION	463	0	17117	0	17580
92	KARNATAKA TRADE PROMOTION ORGANISATION	101	0	5316	0	5417
93	M M T C LTD.	668	0	2095	-328	2435
94	M S T C LTD.	142	0	2519	-270	2391
95	NATIONAL FILM DEV. CORPN. LTD.	141	0	-191	219	169
96	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	60	0	1841	6	1907
97	NTPC VIDYUT VYAPAR NIGAM LTD.	10	0	7644	-91	7563
98	TAMIL NADU TRADE PROMOTION ORGANISATION	366	0	3156	0	3522
99	THE JUTE CORPN. OF INDIA LTD.	8	0	588	16	612
<b>SUB TOTAL :</b>		<b>12242</b>	<b>0</b>	<b>57199</b>	<b>457</b>	<b>69898</b>
<b>TRANSPORT AND LOGISTIC SERVICES</b>						
100	AIR INDIA AIR TRANSPORT SERVICES LTD.	1700	0	6879	0	8579
101	AIR INDIA EXPRESS LTD.	29388	0	29675	0	59063
102	AIRPORTS AUTHORITY OF INDIA	143279	0	199085	-44660	297704
103	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	28	0	853	0	881
104	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	922	0	536	22	1480
105	CENTRAL WAREHOUSING CORPN.	3690	190	11628	-168	15340
106	CONCOR AIR LTD.	500	0	475	25	1000
107	CONTAINER CORPORATION OF INDIA LTD.	35182	0	50368	-8453	77097
108	DREDGING CORPN. OF INDIA LTD.	9960	0	-271	0	9689
109	GAIL (INDIA) LTD.	138956	722	174883	57338	371899
110	GAIL GAS LTD.	1566	0	5535	1284	8385
111	KAMARAJAR PORT LTD.	2189	0	38045	0	40234
112	PAWAN HANS LTD.	7898	0	24484	3263	35645
113	SHIPPING CORPORATION OF INDIA LTD.	56607	0	13552	-801	69358
<b>SUB TOTAL :</b>		<b>431865</b>	<b>912</b>	<b>555727</b>	<b>7850</b>	<b>996354</b>

S. No.	Cognate Group / CPSE	Depreciation	Impairment	Retained Profits	Deferred Tax	Total
<b>CONTRACT &amp; CONSTRUCTION AND TECH. CONSULTANCY SERVICES</b>						
114	AGRINNOVATE INDIA LTD.	19	0	211	0	230
115	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	117	0	999	0	1116
116	BRIDGE & ROOF CO.(INDIA) LTD.	772	0	1046	-43	1775
117	BROADCAST ENGG. CONSULTANTS INDIA LTD.	239	0	131	132	502
118	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	2026	0	3882	-1515	4393
119	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	20	0	419	-23	416
120	EdCIL(India) Ltd.	42	0	2845	282	3169
121	ENGINEERS INDIA LTD.	2251	0	4218	-3958	2511
122	HINDUSTAN PREFAB LTD.	14	0	570	0	584
123	HLL INFRA TECH SERVICES LTD.	9	0	107	0	116
124	HSCC (INDIA) LTD.	73	0	2403	-225	2251
125	IIFCL PROJECTS LTD.	7	0	141	-16	132
126	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	565	0	-454	4	115
127	IRCON INFRASTRUCTURE & SERVICES LTD.	362	0	1236	499	2097
128	IRCON INTERNATIONAL LTD.	1662	126	14729	6126	22643
129	IRCON PB TOLLWAY LTD.	0	0	54	12	66
130	IRCON SHIVPURI GUNA TOLLWAY LTD.	0	0	39	13	52
131	KONKAN RAILWAY CORPORATION LTD.	4978	0	6197	0	11175
132	MINERAL EXPLORATION CORPN. LTD.	763	0	6169	-180	6752
133	MUMBAI RAILWAY VIKAS CORPORATION LTD.	245	0	2338	0	2583
134	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	102	0	1375	-2	1475
135	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	69	0	2759	279	3107
136	NATIONAL RESEARCH DEVELOPMENT CORPN.	8	0	86	48	142
137	NATIONAL SMALL INDUSTRIES CORPN. LTD.	488	0	6878	-219	7147
138	NBCC (INDIA) LTD.	261	0	14926	-1154	14033
139	NBCC SERVICES LTD.	1	0	416	-36	381
140	PFC CAPITAL ADVISORY SERVICE LTD.	0	0	106	3	109
141	PFC CONSULTING LTD.	70	0	5785	-313	5542
142	POWER SYSTEM OPERATION CORPORATION LTD.	1705	0	1960	358	4023
143	RAIL VIKAS NIGAM LTD.	499	0	7558	-342	7715
144	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	614	0	1836	1031	3481
145	RITES LTD.	3210	0	15510	175	18895

S. No.	Cognate Group / CPSE	Depreciation	Impairment	Retained Profits	Deferred Tax	Total
146	SOLAR ENERGY CORPORATION OF INDIA	407	0	4654	-109	4952
147	WAPCOS LTD.	440	0	10703	-912	10231
<b>SUB TOTAL :</b>		<b>22038</b>	<b>126</b>	<b>121832</b>	<b>-85</b>	<b>143911</b>
<b>HOTEL AND TOURIST SERVICES</b>						
148	INDIA TOURISM DEV. CORPN. LTD.	787	0	1205	-431	1561
149	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	2241	0	7577	-111	9707
150	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	29	0	16	7	52
151	PONDICHERRY ASHOK HOTEL CORPN. LTD.	21	0	43	0	64
<b>SUB TOTAL :</b>		<b>3078</b>	<b>0</b>	<b>8841</b>	<b>-535</b>	<b>11384</b>
<b>FINANCIAL SERVICES</b>						
152	BALMER LAWRIE INVESTMENTS LTD.	0	0	106	0	106
153	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL.	0	0	92	0	92
154	E. C. G. C. LTD.	336	0	19488	3710	23534
155	EASTERN INVESTMENT LTD.	0	0	64	0	64
156	HOUSING & URBAN DEV. CORPN. LTD.	468	0	72144	-6041	66571
157	IIFCL ASSET MANAGEMENT COMPANY LTD.	2	0	101	-2	101
158	INDIA INFRASTRUCTURE FINANCE CO. LTD.	118	0	6790	2598	9506
159	INDIA POST PAYMENT BANK LTD	0	0	222	0	222
160	INDIAN RAILWAY FINANCE CORPORATION LTD.	35	0	48425	74392	122852
161	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	732	0	21397	758	22887
162	JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	6	0	643	1	650
163	KUMARAKRUPPA FRONTIER HOTELS LTD.	2	0	745	15	762
164	NATIONAL BACKWARD CLASSES FINANCE & DEVPCO.	8	1	2554	0	2563
165	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	11	0	109	0	120
166	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	43	0	4839	0	4882
167	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	12	0	1817	0	1829
168	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	38	0	4962	0	5000
169	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	28	0	2255	0	2283
170	PFC GREEN ENERGY LTD.	0	0	3015	34	3049
171	POWER FINANCE CORPORATION LTD.	556	0	53762	-9090	45228
172	RURAL ELECTRIFICATION CORPN. LTD.	504	0	458586	3643	462733
<b>SUB TOTAL :</b>		<b>2899</b>	<b>1</b>	<b>702116</b>	<b>70018</b>	<b>775034</b>



S. No.	Cognate Group / CPSE	Depreciation	Impairment	Retained Profits	Deferred Tax	Total
<b>TELECOMMUNICATION &amp; INFORMATION TECHNOLOGY</b>						
173	BHARAT BROADBAND NETWORK LTD.	50	0	2285	-265	2070
174	BHARAT SANCHAR NIGAM LTD.	633042	0	-479321	0	153721
175	MILLENNIUM TELECOM LTD.	0	0	40	0	40
176	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	1672	0	6441	542	8655
177	RAILTEL CORPORATION INDIA LTD.	11641	0	7523	-1541	17623
178	RAILTEL ENTERPRISES LTD.	0	0	134	-6	128
179	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	1447	0	6643	-946	7144
<b>SUB TOTAL :</b>		<b>647852</b>	<b>0</b>	<b>-456255</b>	<b>-2216</b>	<b>189381</b>
<b>GRAND TOTAL :</b>		<b>6499073</b>	<b>-34983</b>	<b>5884760</b>	<b>601967</b>	<b>12950817</b>

**STATEMENT - 19**  
**INTERNAL RESOURCES UTILIZED AS % OF FIXED ASSETS AS ON 31.3.2017**

(₹ in Lakhs)

S. No.	CPSE	Gross Block + Capital WIP	Internal Resources Utilised	% of Internal Resources Utilised to Fixed Assets
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	30992	13842	44.66
2	AIR INDIA ENGINEERING SERVICES LTD.	27007	16668	61.72
3	AIR INDIA EXPRESS LTD.	503128	160537	31.91
4	AIRPORTS AUTHORITY OF INDIA	2388109	69634	2.92
5	ANDREW YULE & COMPANY LTD.	18790	10531	56.05
6	ANTRIX CORPORATION LTD.	1689	400	23.68
7	ASSAM ASHOK HOTEL CORPN. LTD.	509	461	90.57
8	BALMER LAWRIE & CO. LTD.	46681	11400	24.42
9	BEL OPTRONICS DEVICES LTD.	36824	8175	22.2
10	BEML LTD.	76236	35229	46.21
11	BHARAT BROADBAND NETWORK LTD.	181349	6000	3.31
12	BHARAT DYNAMICS LTD.	100554	12219	12.15
13	BHARAT ELECTRONICS LTD.	227316	24003	10.56
14	BHARAT HEAVY ELECTRICALS LTD.	554082	57907	10.45
15	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	4585	4318	94.18
16	BHARAT PETROLEUM CORPN. LTD.	4676079	1508769	32.27
17	BHARAT SANCHAR NIGAM LTD.	24730884	1562657	6.32
18	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	569110	565318	99.33
19	BHARTIYA RAIL BIJLEE CO. LTD.	689456	630746	91.48
20	BHEL ELECTRICAL MACHINES LTD.	1096	1050	95.8
21	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	318	100	31.45
22	BRAHMAPUTRA CRACKERS & POLYMER LTD.	858906	422430	49.18
23	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	115057	93858	81.58
24	BRAITHWAITE & CO. LTD.	6893	4381	63.56
25	BRIDGE & ROOF CO.(INDIA) LTD.	26190	5499	21
26	BROADCAST ENGG. CONSULTANTS INDIA LTD.	2476	137	5.53
27	BURN STANDARD COMPANY LTD.	54311	22454	41.34
28	CENTRAL COALFIELDS LTD.	457608	214000	46.76
29	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	2454	1165	47.47
30	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	21262	1904	8.95
31	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	21237	6973	32.83
32	CENTRAL WAREHOUSING CORPN.	186391	6802	3.65
33	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	260	100	38.46
34	CHENNAI PETROLEUM CORPORATION LTD.	722579	247327	34.23
35	CHHATTISGARH EAST RAILWAYS LTD.	74095	49516	66.83

S. No.	CPSE	Gross Block + Capital WIP	Internal Resources Utilised	% of Internal Resources Utilised to Fixed Assets
36	CHHATTISHGARH SURGUJA POWER LTD.	6	5	83.33
37	COASTAL KARNATAKA POWER LTD.	440	166	37.73
38	COASTAL TAMIL NADU POWER LTD.	18172	5	0.03
39	COCHIN SHIPYARD LTD.	74818	23628	31.58
40	CONCOR AIR LTD.	4365	3665	83.96
41	CONTAINER CORPORATION OF INDIA LTD.	457313	19497	4.26
42	COTTON CORPN. OF INDIA LTD.	9247	2500	27.04
43	DINGCHANG TRANSMISSION LTD.	88	5	5.68
44	DONYI POLO ASHOK HOTEL LTD.	192	100	52.08
45	DREDGING CORPN. OF INDIA LTD.	193313	72824	37.67
46	EdCIL(India) Ltd.	1080	200	18.52
47	ELECTRONICS CORPN. OF INDIA LTD.	20490	16337	79.73
48	FATEHGARH BHADLA TRANSMISSION LTD	40	1	2.5
49	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	1687	733	43.45
50	FERRO SCRAP NIGAM LTD.	8330	3200	38.42
51	GAIL (INDIA) LTD.	3465180	469585	13.55
52	GAIL GAS LTD.	93039	79622	85.58
53	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	43282	12384	28.61
54	GHATAMPUR TRANSMISSION LTD.	125	5	4
55	GOA SHIPYARD LTD.	94145	5820	6.18
56	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	29373	1382	4.71
57	HINDUSTAN AERONAUTICS LTD.	1578468	36150	2.29
58	HINDUSTAN FLUOROCARBONS LIMITED	8094	2633	32.53
59	HINDUSTAN INSECTICIDES LTD.	17165	10488	61.1
60	HINDUSTAN NEWSPRINT LTD.	26602	10890	40.94
61	HINDUSTAN ORGANIC CHEMICALS LTD.	65093	62172	95.51
62	HINDUSTAN PETROLEUM CORPN. LTD.	4297513	729442	16.97
63	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	71578	44439	62.08
64	HINDUSTAN STEELWORKS COSTN. LTD.	12013	7000	58.27
65	HLL BIOTECH LTD.	40791	39882	97.77
66	HLL INFRA TECH SERVICES LTD.	35	5	14.29
67	HLL LIFECARE LTD.	62102	39322	63.32
68	HMT (INTERNATIONAL) LTD.	839	72	8.58
69	HOOGLY PRINTING COMPANY LTD.	633	103	16.27
70	HPCL RAJASTHAN REFINERY LTD.	2834	5	0.18
71	HSCC (INDIA) LTD.	1397	240	17.18
72	I T I LTD.	390541	116000	29.7
73	INDIA TOURISM DEV. CORPN. LTD.	18558	8736	47.07

S. No.	CPSE	Gross Block + Capital WIP	Internal Resources Utilised	% of Internal Resources Utilised to Fixed Assets
74	INDIA TRADE PROMOTION ORGANISATION	4764	25	0.52
75	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	5306	5198	97.96
76	INDIAN OIL CORPORATION LTD.	12944650	2505138	19.35
77	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	35506	4000	11.27
78	INDIAN RARE EARTHS LTD.	67410	8637	12.81
79	IRCON INFRASTRUCTURE & SERVICES LTD.	11225	8334	74.24
80	IRCON INTERNATIONAL LTD.	52090	9898	19
81	KAMARAJAR PORT LTD.	244394	96492	39.48
82	KANTI BIJLEE UTPADAN NIGAM LTD.	446974	370538	82.9
83	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	8957	1471	16.42
84	KARNATAKA TRADE PROMOTION ORGANISATION	3481	2000	57.45
85	KOHIMA-MARIANI TRANSMISSION LTD.	1414	1	0.07
86	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	11840	11769	99.4
87	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	689	160	23.22
88	MADRAS FERTILIZERS LTD.	98384	29815	30.3
89	MAHANADI COALFIELDLS LTD.	660660	14736	2.23
90	MAHANAGAR TELEPHONE NIGAM LTD.	2766442	764131	27.62
91	MANGALORE REFINERY & PETROCHEMICALS LTD.	1576889	656885	41.66
92	MAZAGON DOCK SHIPBUILDERS LTD.	94297	24900	26.41
93	MECON LTD.	17057	4014	23.53
94	MEDINIPUR-JEERAT TRANSMISSION LTD.	1920	1	0.05
95	MINERAL EXPLORATION CORPN. LTD.	12643	11955	94.56
96	MISHRA DHATU NIGAM LTD.	36532	18857	51.62
97	MOIL LTD.	85072	13319	15.66
98	MUMBAI RAILWAY VIKAS CORPORATION LTD.	5535	2500	45.17
99	NATIONAL ALUMINIUM COMPANY LTD.	861487	96646	11.22
100	NATIONAL FERTILIZERS LTD.	465333	66293	14.25
101	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	365032	100	0.03
102	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	15625	200	1.28
103	NATIONAL SEEDS CORPN. LTD.	30839	5797	18.8
104	NHDC LTD.	198457	196258	98.89
105	NHPC LTD.	4109731	2750496	66.93
106	NLC INDIA LTD.	1597550	656919	41.12
107	NLC TAMIL NADU POWER LTD.	693711	568398	81.94
108	NMDC Ltd.	1423762	31639	2.22
109	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	1476921	904574	61.25
110	NORTHERN COALFIELDS LTD.	529071	13656	2.58

S. No.	CPSE	Gross Block + Capital WIP	Internal Resources Utilised	% of Internal Resources Utilised to Fixed Assets
111	NTPC LTD.	19248691	10558474	54.85
112	NUCLEAR POWER CORPN. OF INDIA LTD.	5455467	3642383	66.77
113	NUMALIGARH REFINERY LTD.	304634	107009	35.13
114	OIL & NATURAL GAS CORPORATTON LTD.	16668061	641664	3.85
115	OIL INDIA LTD.	1444169	974904	67.51
116	ONGC MANGALORE PETROCHEMICALS LTD.	668213	565279	84.6
117	ONGC VIDESH LTD.	10637803	6861600	64.5
118	ORISSA INTEGRATED POWER LTD.	29094	5	0.02
119	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	5795	60	1.04
120	PATRATU VIDYUT UTPADAN NIGAM LTD.	13202	8335	63.13
121	PAWAN HANS LTD.	102118	42965	42.07
122	PFC CONSULTING LTD.	511	5	0.98
123	PONDICHERRY ASHOK HOTEL CORPN. LTD.	395	160	40.51
124	POWER GRID CORPORATION OF INDIA LTD.	18561431	11619476	62.6
125	POWER GRID JABALPUR TRANSMISSION LTD.	22803	20421	89.55
126	POWER GRID PARLI TRANSMISSION LTD.	51042	44549	87.28
127	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	49595	34262	69.08
128	POWER GRID WARORA TRANSMISSION LTD.	77952	70053	89.87
129	POWER SYSTEM OPERATION CORPORATION LTD.	17106	3145	18.39
130	POWERGRID KALA AMB TRANSMISSION LTD.	21151	20563	97.22
131	POWERGRID NM TRANSMISSION LTD.	109233	100125	91.66
132	POWERGRID UNCHAHAR TRANSMISSION LTD.	7263	6740	92.8
133	POWERGRID VIZAG TRANSMISSION LTD.	132356	122006	92.18
134	PROJECTS & DEVELOPMENT INDIA LTD.	6891	1730	25.11
135	PUNJAB ASHOK HOTEL COMPANY LTD.	295	250	84.75
136	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	23642	23051	97.5
137	RAILTEL CORPORATION INDIA LTD.	189025	32094	16.98
138	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	15330	14576	95.08
139	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	2292	499	21.77
140	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	4316	1235	28.61
141	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	193659	66553	34.37
142	RASHTRIYA ISPAT NIGAM LTD.	3070442	1073156	34.95
143	REC POWER DISTRIBUTION CO. LTD.	496	90	18.15
144	REC TRANSMISSION PROJECTS CO. LTD.	28	5	17.86
145	RITES LTD.	45495	20000	43.96
146	SAIL REFRACTORY COMPANY LTD.	2476	5	0.2
147	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	167848	118249	70.45
148	SHIPPING CORPORATION OF INDIA LTD.	1597294	354343	22.18

S. No.	CPSE	Gross Block + Capital WIP	Internal Resources Utilised	% of Internal Resources Utilised to Fixed Assets
149	SJVN LTD.	1394339	636610	45.66
150	SJVN THERMAL PVT. LTD.	47003	43668	92.9
151	SOUTH EASTERN COALFIELDS LTD.	786280	29878	3.8
152	STATE TRADING CORPN. OF INDIA LTD.	102396	20628	20.15
153	STCL LTD.	1051	150	14.27
154	STEEL AUTHORITY OF INDIA LTD.	10783973	2321801	21.53
155	TAMIL NADU TRADE PROMOTION ORGANISATION	4863	1	0.02
156	TANDA TRANSMISSION COMPANY LTD.	158	5	3.16
157	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	20520	13120	63.94
158	THDC INDIA LTD.	1551050	764073	49.26
159	TUNGABHADRA STEEL PRODUCTS LTD.	2033	1375	67.63
160	URANIUM CORPORATION OF INDIA LTD.	277926	161562	58.13
161	VIGNYAN INDUSTRIES LTD.	909	279	30.69
162	WESTERN COALFIELDS LTD.	501091	29710	5.93
<b>GRAND TOTAL :</b>		<b>173906350</b>	<b>58624382</b>	<b>33.71</b>

**STATEMENT - 20**  
**FOREIGN EXCHANGE EARNINGS OF CPSEs IN 2016-17**

(₹ in Lakhs)

S. No.	Cognate Group / CPSE	Year	Exports of goods (FOB Basis)	Royalty, know how, professional & Consultancy Fee	Interest & Dividend	Other income	Total
<b>AGRO BASED INDUSTRIES</b>							
1	NATIONAL SEEDS CORPN. LTD.	2015-16	162	0	0	0	162
		2016-17	264	0	0	0	264
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>162</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>162</b>
		<b>2016-17</b>	<b>264</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>264</b>
<b>CRUDE OIL</b>							
2	BHARAT PETRO RESOURCES LTD.	2015-16	0	0	0	5348	5348
		2016-17	0	0	0	6191	6191
3	OIL & NATURAL GAS CORPORATION LTD.	2015-16	302812	210	0	299	303321
		2016-17	305567	879	0	841	307287
4	OIL INDIA LTD.	2015-16	0	0	0	2375	2375
		2016-17	0	0	3944	770	4714
5	ONGC VIDESH LTD.	2015-16	703300	0	3372	61499	768171
		2016-17	729382	0	3944	50561	783887
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>1006112</b>	<b>210</b>	<b>3372</b>	<b>69521</b>	<b>1079215</b>
		<b>2016-17</b>	<b>1034949</b>	<b>879</b>	<b>7888</b>	<b>58363</b>	<b>1102079</b>
<b>OTHER MINERALS &amp; METALS</b>							
6	HINDUSTAN COPPER LTD.	2015-16	13640	0	0	0	13640
		2016-17	23178	0	0	0	23178
7	INDIAN RARE EARTHS LTD.	2015-16	13794	0	0	0	13794
		2016-17	19843	0	0	0	19843
8	KIOCL LTD.	2015-16	7222	0	0	11	7233
		2016-17	0	0	0	76	76
9	NATIONAL ALUMINIUM COMPANY LTD.	2015-16	295317	0	0	5501	300818
		2016-17	327574	0	0	158	327732
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>329973</b>	<b>0</b>	<b>0</b>	<b>5512</b>	<b>335485</b>
		<b>2016-17</b>	<b>370595</b>	<b>0</b>	<b>0</b>	<b>234</b>	<b>370829</b>
<b>STEEL</b>							
10	RASHTRIYA ISPAT NIGAM LTD.	2015-16	118963	0	0	933	119896
		2016-17	105038	0	0	694	105732
11	STEEL AUTHORITY OF INDIA LTD.	2015-16	0	0	0	0	0
		2016-17	173783	0	0	0	173783
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>118963</b>	<b>0</b>	<b>0</b>	<b>933</b>	<b>119896</b>
		<b>2016-17</b>	<b>278821</b>	<b>0</b>	<b>0</b>	<b>694</b>	<b>279515</b>
<b>PETROLEUM (REFINERY &amp; MARKETING)</b>							
12	BHARAT PETROLEUM CORPN. LTD.	2015-16	708997	0	0	4798	713795
		2016-17	976947	0	0	1911	978858



S. No.	Cognate Group / CPSE	Year	Exports of goods (FOB Basis)	Royalty, know how, professional & Consultancy Fee	Interest & Dividend	Other income	Total
13	HINDUSTAN PETROLEUM CORPN. LTD.	2015-16	181068	0	0	0	181068
		2016-17	120942	0	0	0	120942
14	INDIAN OIL CORPORATION LTD.	2015-16	1387405	33	72	4856	1392366
		2016-17	1421319	26	0	10191	1431536
15	MANGALORE REFINERY & PETROCHEMICALS LTD.	2015-16	874615	0	0	0	874615
		2016-17	1003076	0	0	0	1003076
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>3152085</b>	<b>33</b>	<b>72</b>	<b>9654</b>	<b>3161844</b>
		<b>2016-17</b>	<b>3522284</b>	<b>26</b>	<b>0</b>	<b>12102</b>	<b>3534412</b>
<b>CHEMICALS &amp; PHARMACEUTICALS</b>							
16	HINDUSTAN ANTIBIOTICS LTD.	2015-16	0	0	0	0	0
		2016-17	1	0	0	0	1
17	HINDUSTAN FLUOROCARBONS LIMITED	2015-16	33	0	0	0	33
		2016-17	0	0	0	0	0
18	HINDUSTAN INSECTICIDES LTD.	2015-16	2866	0	0	0	2866
		2016-17	343	0	0	0	343
19	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	2015-16	3369	0	0	0	3369
		2016-17	2235	0	0	0	2235
20	ONGC MANGALORE PETROCHEMICALS LTD.	2015-16	352206	0	0	0	352206
		2016-17	374121	0	0	0	374121
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>358474</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>358474</b>
		<b>2016-17</b>	<b>376700</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>376700</b>
<b>HEAVY &amp; MEDIUM ENGINEERING</b>							
21	BALMER LAWRIE & CO. LTD.	2015-16	1007	8359	1033	89	10488
		2016-17	0	0	848	7645	8493
22	BEL-THALES SYSTEMS LTD.	2015-16	0	0	0	0	0
		2016-17	0	0	0	50	50
23	BHARAT DYNAMICS LTD.	2015-16	143	22	0	0	165
		2016-17	0	0	0	60	60
24	BHARAT ELECTRONICS LTD.	2015-16	55873	0	0	0	55873
		2016-17	43247	0	0	0	43247
25	BHARAT HEAVY ELECTRICALS LTD.	2015-16	28663	0	154	336168	364985
		2016-17	29252	0	0	219703	248955
26	CENTRAL ELECTRONICS LTD.	2015-16	75	0	0	0	75
		2016-17	221	0	0	0	221
27	COCHIN SHIPYARD LTD.	2015-16	11472	0	0	0	11472
		2016-17	10442	0	0	0	10442
28	ELECTRONICS CORPN. OF INDIA LTD.	2015-16	127	0	0	0	127
		2016-17	0	0	0	0	0
29	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	2015-16	3495	0	0	0	3495

S. No.	Cognate Group / CPSE	Year	Exports of goods (FOB Basis)	Royalty, know how, professional & Consultancy Fee	Interest & Dividend	Other income	Total
		2016-17	729	0	0	0	729
30	GOA SHIPYARD LTD.	2015-16	22736	0	0	0	22736
		2016-17	39882	0	0	0	39882
31	HINDUSTAN AERONAUTICS LTD.	2015-16	35341	0	0	4826	40167
		2016-17	45594	0	0	908	46502
32	HMT LTD.	2015-16	19	0	0	0	19
		2016-17	38	0	0	0	38
33	HMT MACHINE TOOLS LTD.	2015-16	24	0	0	0	24
		2016-17	28	0	0	0	28
34	I T I LTD.	2015-16	0	0	0	344	344
		2016-17	0	0	0	0	0
35	INSTRUMENTATION LTD.	2015-16	39	0	0	0	39
		2016-17	14	0	0	0	14
36	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	2015-16	23	0	0	3	26
		2016-17	21	0	0	2	23
37	RICHARDSON & CRUDDAS(1972) LTD.	2015-16	0	0	0	11	11
		2016-17	0	0	0	0	0
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>159037</b>	<b>8381</b>	<b>1187</b>	<b>341441</b>	<b>510046</b>
		<b>2016-17</b>	<b>169468</b>	<b>0</b>	<b>848</b>	<b>228368</b>	<b>398684</b>
<b>TRANSPORATATION VEHICLE &amp; EQUIPMENT</b>							
38	BEML LTD.	2015-16	14000	0	0	0	14000
		2016-17	1686	0	0	0	1686
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>14000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14000</b>
		<b>2016-17</b>	<b>1686</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1686</b>
<b>INDUSTRIAL AND CONSUMER GOODS</b>							
39	ANDREW YULE & COMPANY LTD.	2015-16	449	0	0	0	449
		2016-17	184	0	0	8	192
40	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	2015-16	2	0	0	0	2
		2016-17	0	0	0	0	0
41	HLL LIFECARE LTD.	2015-16	0	0	0	0	0
		2016-17	12261	0	0	567	12828
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>451</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>451</b>
		<b>2016-17</b>	<b>12445</b>	<b>0</b>	<b>0</b>	<b>575</b>	<b>13020</b>
<b>POWER GENERATION</b>							
42	NHPC LTD.	2015-16	0	0	0	262	262
		2016-17	0	0	0	0	0
43	NTPC LTD.	2015-16	0	356	0	41	397
		2016-17	0	582	0	0	582
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>0</b>	<b>356</b>	<b>0</b>	<b>303</b>	<b>659</b>

S. No.	Cognate Group / CPSE	Year	Exports of goods (FOB Basis)	Royalty, know how, professional & Consultancy Fee	Interest & Dividend	Other income	Total
		2016-17	0	582	0	0	582
<b>POWER TRANSMISSION</b>							
44	POWER GRID CORPORATION OF INDIA LTD.	2015-16	0	2027	1	0	2028
		2016-17	0	2334	0	0	2334
<b>SUB TOTAL :</b>		2015-16	0	2027	1	0	2028
		2016-17	0	2334	0	0	2334
<b>TRADING &amp; MARKETING</b>							
45	ANTRIX CORPORATION LTD.	2015-16	853	1664	0	25420	27937
		2016-17	0	0	0	17697	17697
46	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	2015-16	306	0	0	2738	3044
		2016-17	372	0	0	2829	3201
47	COTTON CORPN. OF INDIA LTD.	2015-16	172	0	0	0	172
		2016-17	0	0	0	0	0
48	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	2015-16	2010	0	0	36	2046
		2016-17	2020	0	0	7	2027
49	HMT (INTERNATIONAL) LTD.	2015-16	1342	0	0	0	1342
		2016-17	640	0	0	0	640
50	INDIA TRADE PROMOTION ORGANISATION	2015-16	0	0	0	1355	1355
		2016-17	0	0	0	1144	1144
51	M M T C LTD.	2015-16	67619	0	0	630	68249
		2016-17	154733	0	0	10	154743
52	M S T C LTD.	2015-16	0	0	0	5	5
		2016-17	0	0	0	1	1
53	NATIONAL FILM DEV. CORPN. LTD.	2015-16	176	0	0	0	176
		2016-17	106	0	0	0	106
54	NTPC VIDYUT VYAPAR NIGAM LTD.	2015-16	44617	0	0	0	44617
		2016-17	0	0	0	0	0
55	P E C LTD.	2015-16	11993	0	0	0	11993
		2016-17	5828	0	0	0	5828
56	STATE TRADING CORPN. OF INDIA LTD.	2015-16	5024	0	0	90	5114
		2016-17	73997	0	0	293	74290
57	THE JUTE CORPN. OF INDIA LTD.	2015-16	750	0	0	0	750
		2016-17	0	0	0	0	0
<b>SUB TOTAL :</b>		2015-16	134862	1664	0	30274	166800
		2016-17	237696	0	0	21981	259677
<b>TRANSPORT AND LOGISTIC SERVICES</b>							
58	AIR INDIA AIR TRANSPORT SERVICES LTD.	2015-16	0	0	0	29158	29158
		2016-17	0	0	0	29158	29158
59	AIR INDIA EXPRESS LTD.	2015-16	0	0	0	163427	163427

S. No.	Cognate Group / CPSE	Year	Exports of goods (FOB Basis)	Royalty, know how, professional & Consultancy Fee	Interest & Dividend	Other income	Total
		2016-17	0	0	0	0	0
60	AIR INDIA LTD.	2015-16	0	0	36977	894935	931912
		2016-17	0	0	1962	1672037	1673999
61	AIRPORTS AUTHORITY OF INDIA	2015-16	0	0	0	91598	91598
		2016-17	0	0	0	97961	97961
62	GAIL (INDIA) LTD.	2015-16	71663	0	11113	3878	86654
		2016-17	10334	0	5416	62757	78507
63	SHIPPING CORPORATION OF INDIA LTD.	2015-16	374567	0	2589	0	377156
		2016-17	342962	0	12614	0	355576
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>446230</b>	<b>0</b>	<b>50679</b>	<b>1182996</b>	<b>1679905</b>
		<b>2016-17</b>	<b>353296</b>	<b>0</b>	<b>19992</b>	<b>1861913</b>	<b>2235201</b>
<b>CONTRACT &amp; CONSTRUCTION AND TECH. CONSULTANCY SERVICES</b>							
64	AGRINNOVATE INDIA LTD.	2015-16	0	0	0	154	154
		2016-17	0	1	0	0	1
65	BROADCAST ENGG. CONSULTANTS INDIA LTD.	2015-16	6	0	0	109	115
		2016-17	2	0	0	17	19
66	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	2015-16	0	85	0	0	85
		2016-17	0	34	0	0	34
67	EdCIL(India) Ltd.	2015-16	0	0	0	0	0
		2016-17	0	0	0	49	49
68	ENGINEERING PROJECTS (INDIA) LTD.	2015-16	49778	0	120	31	49929
		2016-17	55097	0	154	3	55254
69	ENGINEERS INDIA LTD.	2015-16	0	32922	0	0	32922
		2016-17	0	30060	0	0	30060
70	HLL INFRA TECH SERVICES LTD.	2015-16	0	0	0	0	0
		2016-17	0	159	0	0	159
71	IRCON INFRASTRUCTURE & SERVICES LTD.	2015-16	0	1304	0	249	1553
		2016-17	0	0	0	488	488
72	IRCON INTERNATIONAL LTD.	2015-16	35133	0	3159	16717	55009
		2016-17	22037	0	694	3791	26522
73	MECON LTD.	2015-16	0	222	0	0	222
		2016-17	0	86	0	0	86
74	NATIONAL SMALL INDUSTRIES CORPN. LTD.	2015-16	0	33	0	0	33
		2016-17	37	0	0	0	37
75	PROJECTS & DEVELOPMENT INDIA LTD.	2015-16	0	443	0	0	443
		2016-17	0	261	0	0	261
76	RITES LTD.	2015-16	18442	4903	0	0	23345
		2016-17	37163	5039	0	1	42203

S. No.	Cognate Group / CPSE	Year	Exports of goods (FOB Basis)	Royalty, know how, professional & Consultancy Fee	Interest & Dividend	Other income	Total
77	WAPCOS LTD.	2015-16	34058	0	112	0	34170
		2016-17	18190	0	131	0	18321
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>137417</b>	<b>39912</b>	<b>3391</b>	<b>17260</b>	<b>197980</b>
		<b>2016-17</b>	<b>132526</b>	<b>35640</b>	<b>979</b>	<b>4349</b>	<b>173494</b>
<b>HOTEL AND TOURIST SERVICES</b>							
78	ASSAM ASHOK HOTEL CORPN. LTD.	2015-16	0	0	0	2	2
		2016-17	0	0	0	2	2
79	HOTEL CORPN. OF INDIA LTD.	2015-16	0	0	0	1	1
		2016-17	0	0	0	0	0
80	INDIA TOURISM DEV. CORPN. LTD.	2015-16	0	0	0	1795	1795
		2016-17	0	0	0	0	0
81	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	2015-16	0	0	0	3523	3523
		2016-17	0	0	0	4751	4751
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5321</b>	<b>5321</b>
		<b>2016-17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4753</b>	<b>4753</b>
<b>FINANCIAL SERVICES</b>							
82	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	2015-16	0	0	0	0	0
		2016-17	0	0	0	739	739
83	HOUSING & URBAN DEV. CORPN. LTD.	2015-16	0	0	145	0	145
		2016-17	0	0	202	0	202
84	INDIA INFRASTRUCTURE FINANCE CO. LTD.	2015-16	0	0	13230	185	13415
		2016-17	0	0	0	1	1
85	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	2015-16	0	0	123	0	123
		2016-17	0	0	137	0	137
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>0</b>	<b>0</b>	<b>13498</b>	<b>185</b>	<b>13683</b>
		<b>2016-17</b>	<b>0</b>	<b>0</b>	<b>339</b>	<b>740</b>	<b>1079</b>
<b>TELECOMMUNICATION &amp; INFORMATION TECHNOLOGY</b>							
86	BHARAT SANCHAR NIGAM LTD.	2015-16	0	0	0	14400	14400
		2016-17	0	0	0	0	0
87	MAHANAGAR TELEPHONE NIGAM LTD.	2015-16	0	0	0	0	0
		2016-17	0	0	0	383	383
88	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	2015-16	0	0	0	4047	4047
		2016-17	0	0	0	6893	6893
<b>SUB TOTAL :</b>		<b>2015-16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18447</b>	<b>18447</b>
		<b>2016-17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7276</b>	<b>7276</b>
<b>GRAND TOTAL :</b>		<b>2015-16</b>	<b>5857766</b>	<b>52583</b>	<b>72200</b>	<b>1681847</b>	<b>7664396</b>
		<b>2016-17</b>	<b>6490730</b>	<b>39461</b>	<b>30046</b>	<b>2201348</b>	<b>8761585</b>

**STATEMENT - 21**  
**NUMBER OF EMPLOYEES AND HOUSES CONSTRUCTED IN CPSEs**

S.No.	Cognate Group / CPSE	Total No. of Employees as on 31.3.2017	No. of houses constructed in township	No. of houses under construction	Total No. of houses constructed as on 31.3.2017
<b>AGRO BASED INDUSTRIES</b>					
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV. CORP.LTD	929	0	0	0
2	HPCL BIOFUELS LTD.	744	0	0	0
3	INDIAN OIL-CREDA BIOFUELS LTD.	1	0	0	0
4	NATIONAL SEEDS CORPN. LTD.	1514	0	0	0
<b>SUB TOTAL :</b>		<b>3188</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>COAL</b>					
5	BHARAT COKING COAL LTD.	51147	27389	0	27389
6	CENTRAL COALFIELDS LTD.	42156	0	0	0
7	COAL INDIA LTD.	2570	3219	0	3219
8	EASTERN COALFIELDS LTD.	64029	0	0	0
9	MAHANADI COALFIELDLS LTD.	22036	15328	592	15920
10	NORTHERN COALFIELDS LTD.	15357	16180	0	16180
11	SOUTH EASTERN COALFIELDS LTD.	61209	69330	0	69330
12	WESTERN COALFIELDS LTD.	47632	0	0	0
<b>SUB TOTAL :</b>		<b>306136</b>	<b>131446</b>	<b>592</b>	<b>132038</b>
<b>CRUDE OIL</b>					
13	BHARAT PETRO RESOURCES LTD.	2	0	0	0
14	OIL & NATURAL GAS CORPORATION LTD.	33660	0	0	0
15	OIL INDIA LTD.	7228	0	0	0
16	ONGC VIDESH LTD.	2263	0	0	0
17	PRIZE PETROLEUM COMPANY LTD.	20	0	0	0
<b>SUB TOTAL :</b>		<b>43173</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>OTHER MINERALS &amp; METALS</b>					
18	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	46	0	0	0
19	HINDUSTAN COPPER LTD.	2843	12191	0	12191
20	INDIAN RARE EARTHS LTD.	1662	234	0	234
21	J & K MINERAL DEVELOPMENT CORPN. LTD.	6	0	0	0
22	KIOCL LTD.	922	2142	0	2142
23	MOIL LTD.	6201	4136	540	4676
24	NATIONAL ALUMINIUM COMPANY LTD.	6938	7272	126	7398
25	NMDC Ltd.	5572	7034	1100	8134
26	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	450	0	0	0
27	THE BISRA STONE LIME COMPANY LTD.	724	0	0	0
28	URANIUM CORPORATION OF INDIA LTD.	4773	0	0	0
<b>SUB TOTAL :</b>		<b>30137</b>	<b>33009</b>	<b>1766</b>	<b>34775</b>

S.No.	Cognate Group / CPSE	Total No. of Employees as on 31.3.2017	No. of houses constructed in township	No. of houses under construction	Total No. of houses constructed as on 31.3.2017
<b>STEEL</b>					
29	FERRO SCRAP NIGAM LTD.	839	0	0	0
30	MISHRA DHATU NIGAM LTD.	756	0	0	0
31	RASHTRIYA ISPAT NIGAM LTD.	17838	8439	0	8439
32	STEEL AUTHORITY OF INDIA LTD.	82964	150108	0	150108
<b>SUB TOTAL :</b>		<b>102397</b>	<b>158547</b>	<b>0</b>	<b>158547</b>
<b>PETROLEUM (REFINERY &amp; MARKETING)</b>					
33	BHARAT PETROLEUM CORPN. LTD.	12484	2109	227	2336
34	CHENNAI PETROLEUM CORPORATION LTD.	1645	104	0	104
35	HINDUSTAN PETROLEUM CORPN. LTD.	10422	0	0	0
36	INDIAN OIL CORPORATION LTD.	33135	18352	348	18700
37	MANGALORE REFINERY & PETROCHEMICALS LTD.	1917	699	108	807
38	NUMALIGARH REFINERY LTD.	870	0	0	0
<b>SUB TOTAL :</b>		<b>60473</b>	<b>21264</b>	<b>683</b>	<b>21947</b>
<b>FERTILIZERS</b>					
39	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	645	2736	0	2736
40	FERTILIZER CORPN. OF INDIA LTD.	6	0	0	0
41	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	2180	0	0	0
42	HINDUSTAN FERTILIZER CORPN. LTD.	4	0	0	0
43	MADRAS FERTILIZERS LTD.	684	0	0	0
44	NATIONAL FERTILIZERS LTD.	3517	4816	0	4816
45	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	3527	3052	58	3110
<b>SUB TOTAL :</b>		<b>10563</b>	<b>10604</b>	<b>58</b>	<b>10662</b>
<b>CHEMICALS &amp; PHARMACEUTICALS</b>					
46	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	320	0	0	0
47	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	112	0	0	0
48	BRAHMAPUTRA CRACKERS & POLYMER LTD.	592	329	0	329
49	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	186	0	0	0
50	HINDUSTAN ANTIBIOTICS LTD.	997	979	0	979
51	HINDUSTAN FLUOROCARBONS LIMITED	124	0	0	0
52	HINDUSTAN INSECTICIDES LTD.	992	429	0	429
53	HINDUSTAN ORGANIC CHEMICALS LTD.	868	1062	0	1062
54	HLL BIOTECH LTD.	157	0	0	0
55	IDPL (TAMILNADU) LTD.	112	0	0	0
56	INDIAN DRUGS & PHARMACEUTICALS LTD.	42	0	0	0
57	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	129	0	0	0
58	INDIAN VACCINE CORP. LTD.	2	0	0	0
59	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	731	0	0	0



S.No.	Cognate Group / CPSE	Total No. of Employees as on 31.3.2017	No. of houses constructed in township	No. of houses under construction	Total No. of houses constructed as on 31.3.2017
60	ONGC MANGALORE PETROCHEMICALS LTD.	457	0	0	0
61	ORISSA DRUGS & CHEMICALS LTD.	61	0	0	0
62	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	160	0	0	0
<b>SUB TOTAL :</b>		<b>6042</b>	<b>2799</b>	<b>0</b>	<b>2799</b>
<b>HEAVY &amp; MEDIUM ENGINEERING</b>					
63	BALMER LAWRIE & CO. LTD.	1188	0	0	0
64	BEL OPTRONICS DEVICES LTD.	127	0	0	0
65	BEL-THALES SYSTEMS LTD.	12	0	0	0
66	BHARAT DYNAMICS LTD.	3182	1449	0	1449
67	BHARAT ELECTRONICS LTD.	9716	2527	256	2783
68	BHARAT HEAVY ELECTRICALS LTD.	39821	29959	0	29959
69	BHARAT PUMPS & COMPRESSORS LTD.	391	0	0	0
70	BHARAT WAGON & ENGG. CO. LTD.	600	0	0	0
71	BHEL ELECTRICAL MACHINES LTD.	174	0	0	0
72	BRAITHWAITE & CO. LTD.	280	0	0	0
73	BURN STANDARD COMPANY LTD.	525	0	0	0
74	CENTRAL ELECTRONICS LTD.	454	0	0	0
75	COCHIN SHIPYARD LTD.	1829	120	104	224
76	ELECTRONICS CORPN. OF INDIA LTD.	2239	60	0	60
77	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	2401	0	0	0
78	GOA SHIPYARD LTD.	1390	75	0	75
79	HEAVY ENGINEERING CORPN. LTD.	1456	11109	0	11109
80	HINDUSTAN AERONAUTICS LTD.	29526	0	0	0
81	HINDUSTAN CABLES LTD.	0	4850	0	4850
82	HINDUSTAN SHIPYARD LTD.	1352	0	0	0
83	HMT LTD.	268	1112	0	1112
84	HMT MACHINE TOOLS LTD.	1651	0	0	0
85	HMT WATCHES LTD.	146	0	0	0
86	HOOGHLY DOCK AND PORT ENGINEERS LTD.	45	0	0	0
87	I T I LTD.	4052	6612	0	6612
88	INSTRUMENTATION LTD.	712	718	0	718
89	MAZAGON DOCK SHIPBUILDERS LTD.	5083	314	0	314
90	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	239	0	0	0
91	RICHARDSON & CRUDDAS(1972) LTD.	11	0	0	0
92	SAIL REFRACTORY COMPANY LTD.	204	74	0	74
93	SCOOTERS INDIA LTD.	260	0	0	0
94	TUNGABHADRA STEEL PRODUCTS LTD.	75	276	0	276
95	VIGNYAN INDUSTRIES LTD.	86	0	0	0
<b>SUB TOTAL :</b>		<b>109495</b>	<b>59255</b>	<b>360</b>	<b>59615</b>

S.No.	Cognate Group / CPSE	Total No. of Employees as on 31.3.2017	No. of houses constructed in township	No. of houses under construction	Total No. of houses constructed as on 31.3.2017
<b>TRANSPORATATION VEHICLE &amp; EQUIPMENT</b>					
96	BEML LTD.	8221	2488	0	2488
<b>SUB TOTAL :</b>		<b>8221</b>	<b>2488</b>	<b>0</b>	<b>2488</b>
<b>INDUSTRIAL AND CONSUMER GOODS</b>					
97	ANDREW YULE & COMPANY LTD.	14757	9585	0	9585
98	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	300	0	0	0
99	CEMENT CORPN. OF INDIA LTD.	668	3611	0	3611
100	HINDUSTAN NEWSPRINT LTD.	495	0	0	0
101	HINDUSTAN PAPER CORPORATION LTD.	1840	0	0	0
102	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	170	472	0	472
103	HINDUSTAN SALTS LTD.	72	541	0	541
104	HLL LIFECARE LTD.	1733	0	0	0
105	HOOGHLY PRINTING COMPANY LTD.	49	0	0	0
106	NAGALAND PULP & PAPER COMPANY LTD.	181	0	0	0
107	NEPA LTD.	588	2164	0	2164
108	SAMBHAR SALTS LTD.	110	0	0	0
109	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	10354	2129	0	2129
<b>SUB TOTAL :</b>		<b>31317</b>	<b>18502</b>	<b>0</b>	<b>18502</b>
<b>TEXTILES</b>					
110	BRITISH INDIA CORPORATION LTD.	1209	1668	0	1668
111	NATIONAL TEXTILE CORPN. LTD.	7748	250	0	250
<b>SUB TOTAL :</b>		<b>8957</b>	<b>1918</b>	<b>0</b>	<b>1918</b>
<b>POWER GENERATION</b>					
112	BHARTIYA RAIL BIJLEE CO. LTD.	173	12	205	217
113	KANTI BIJLEE UTPADAN NIGAM LTD.	192	0	0	0
114	NHDC LTD.	547	2025	0	2025
115	NHPC LTD.	8009	9149	133	9282
116	NLC INDIA LTD.	15030	19941	0	19941
117	NLC TAMIL NADU POWER LTD.	233	93	154	247
118	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	2304	1479	50	1529
119	NTPC LTD.	20593	0	0	0
120	NUCLEAR POWER CORPN. OF INDIA LTD.	11303	11421	158	11579
121	PATRATU VIDYUT UTPADAN NIGAM LTD.	84	0	0	0
122	SJVN LTD.	1691	1644	0	1644
123	THDC INDIA LTD.	1936	1944	12	1956
<b>SUB TOTAL :</b>		<b>62095</b>	<b>47708</b>	<b>712</b>	<b>48420</b>
<b>POWER TRANSMISSION</b>					
124	POWER GRID CORPORATION OF INDIA LTD.	8887	6231	314	6545
125	POWERGRID NM TRANSMISSION LTD.	3	0	0	0

S.No.	Cognate Group / CPSE	Total No. of Employees as on 31.3.2017	No. of houses constructed in township	No. of houses under construction	Total No. of houses constructed as on 31.3.2017
126	POWERGRID VIZAG TRANSMISSION LTD.	3	0	0	0
127	REC POWER DISTRIBUTION CO. LTD.	31	0	0	0
<b>SUB TOTAL :</b>		<b>8924</b>	<b>6231</b>	<b>314</b>	<b>6545</b>
<b>TRADING &amp; MARKETING</b>					
128	ANTRIX CORPORATION LTD.	80	0	0	0
129	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	277	3	0	3
130	COTTON CORPN. OF INDIA LTD.	839	0	0	0
131	FOOD CORPN. OF INDIA	23642	0	0	0
132	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	105	67	0	67
133	HMT (INTERNATIONAL) LTD.	28	0	0	0
134	INDIA TRADE PROMOTION ORGANISATION	792	0	0	0
135	KARNATAKA TRADE PROMOTION ORGANISATION	1	0	0	0
136	M M T C LTD.	1225	0	0	0
137	M S T C LTD.	309	0	0	0
138	NATIONAL FILM DEV. CORPN. LTD.	92	0	0	0
139	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	208	0	0	0
140	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	64	0	0	0
141	NORTH EASTERN REGIONAL AGRI. MARKETING CORPLTD.	50	0	0	0
142	NTPC VIDYUT VYAPAR NIGAM LTD.	43	0	0	0
143	P E C LTD.	130	0	0	0
144	STATE TRADING CORPN. OF INDIA LTD.	671	0	0	0
145	STCL LTD.	13	0	0	0
146	TAMIL NADU TRADE PROMOTION ORGANISATION	6	0	0	0
147	THE JUTE CORPN. OF INDIA LTD.	362	0	0	0
<b>SUB TOTAL :</b>		<b>28937</b>	<b>70</b>	<b>0</b>	<b>70</b>
<b>TRANSPORT AND LOGISTIC SERVICES</b>					
148	AIR INDIA AIR TRANSPORT SERVICES LTD.	2342	0	0	0
149	AIR INDIA ENGINEERING SERVICES LTD.	4440	0	0	0
150	AIR INDIA EXPRESS LTD.	1055	0	0	0
151	AIR INDIA LTD.	11827	0	0	0
152	AIRLINE ALLIED SERVICES LTD.	533	0	0	0
153	AIRPORTS AUTHORITY OF INDIA	17489	0	0	0
154	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	49	0	0	0
155	CENTRAL WAREHOUSING CORPN.	3639	0	0	0
156	CONTAINER CORPORATION OF INDIA LTD.	1471	0	0	0
157	DREDGING CORPN. OF INDIA LTD.	508	0	0	0
158	FRESH & HEALTHY ENTERPRISES LTD.	23	0	0	0

S.No.	Cognate Group / CPSE	Total No. of Employees as on 31.3.2017	No. of houses constructed in township	No. of houses under construction	Total No. of houses constructed as on 31.3.2017
159	GAIL (INDIA) LTD.	4355	2511	71	2582
160	KAMARAJAR PORT LTD.	103	0	0	0
161	PAWAN HANS LTD.	449	0	0	0
162	PETRONET CCK LTD.	43	0	0	0
163	SHIPPING CORPORATION OF INDIA LTD.	775	0	0	0
164	TCIL BINA TOLL ROAD LTD.	32	0	0	0
<b>SUB TOTAL :</b>		<b>49133</b>	<b>2511</b>	<b>71</b>	<b>2582</b>
<b>CONTRACT &amp; CONSTRUCTION AND TECH. CONSULTANCY SERVICES</b>					
165	AGRINNOVATE INDIA LTD.	2	0	0	0
166	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	483	0	0	0
167	BRIDGE & ROOF CO.(INDIA) LTD.	1312	0	0	0
168	BROADCAST ENGG. CONSULTANTS INDIA LTD.	59	0	0	0
169	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	3498	0	0	0
170	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	71	0	0	0
171	EdCIL(India) Ltd.	96	0	0	0
172	ENGINEERING PROJECTS (INDIA) LTD.	369	0	0	0
173	ENGINEERS INDIA LTD.	2939	0	0	0
174	HINDUSTAN PREFAB LTD.	247	0	0	0
175	HINDUSTAN STEELWORKS COSTN. LTD.	37	2753	0	2753
176	HLL INFRA TECH SERVICES LTD.	142	0	0	0
177	HSCC (INDIA) LTD.	176	0	0	0
178	IIFCL PROJECTS LTD.	15	0	0	0
179	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	14	0	0	0
180	IRCON INFRASTRUCTURE & SERVICES LTD.	12	0	0	0
181	IRCON INTERNATIONAL LTD.	1183	0	0	0
182	KONKAN RAILWAY CORPORATION LTD.	5162	1395	4	1399
183	MECON LTD.	1384	1937	0	1937
184	MINERAL EXPLORATION CORPN. LTD.	1215	175	0	175
185	MUMBAI RAILWAY VIKAS CORPORATION LTD.	234	0	0	0
186	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	857	0	0	0
187	NATIONAL RESEARCH DEVELOPMENT CORPN.	70	0	0	0
188	NATIONAL SMALL INDUSTRIES CORPN. LTD.	830	0	0	0
189	NBCC (INDIA) LTD.	1951	0	0	0
190	NBCC ENGINEERING AND CONSULTANCY LTD.	24	0	0	0
191	NBCC SERVICES LTD.	84	0	0	0
192	POWER SYSTEM OPERATION CORPORATION LTD.	456	0	0	0
193	PROJECTS & DEVELOPMENT INDIA LTD.	370	1522	0	1522

S.No.	Cognate Group / CPSE	Total No. of Employees as on 31.3.2017	No. of houses constructed in township	No. of houses under construction	Total No. of houses constructed as on 31.3.2017
194	RAIL VIKAS NIGAM LTD.	502	0	0	0
195	RITES LTD.	2326	0	0	0
196	SOLAR ENERGY CORPORATION OF INDIA	71	0	0	0
197	WAPCOS LTD.	870	0	0	0
<b>SUB TOTAL :</b>		<b>27061</b>	<b>7782</b>	<b>4</b>	<b>7786</b>
<b>HOTEL AND TOURIST SERVICES</b>					
198	ASSAM ASHOK HOTEL CORPN. LTD.	63	0	0	0
199	DONYI POLO ASHOK HOTEL LTD.	26	0	0	0
200	HOTEL CORPN. OF INDIA LTD.	1067	0	0	0
201	INDIA TOURISM DEV. CORPN. LTD.	1232	0	0	0
202	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	1480	0	0	0
203	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	57	0	0	0
204	PONDICHERRY ASHOK HOTEL CORPN. LTD.	16	0	0	0
205	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	37	0	0	0
<b>SUB TOTAL :</b>		<b>3978</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FINANCIAL SERVICES</b>					
206	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	39	0	0	0
207	E. C. G. C. LTD.	603	0	0	0
208	EASTERN INVESTMENT LTD.	2	0	0	0
209	HOUSING & URBAN DEV. CORPN. LTD.	875	0	0	0
210	IIFCL ASSET MANAGEMENT COMPANY LTD.	6	0	0	0
211	INDIA INFRASTRUCTURE FINANCE CO. LTD.	93	0	0	0
212	INDIA POST PAYMENT BANK LTD	3	0	0	0
213	INDIAN RAILWAY FINANCE CORPORATION LTD.	18	0	0	0
214	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	152	0	0	0
215	JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	16	0	0	0
216	KUMARAKRUPPA FRONTIER HOTELS LTD.	3	0	0	0
217	NATIONAL BACKWARD CLASSES FINANCE & DEVP. CO.	46	0	0	0
218	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	36	0	0	0
219	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	33	0	0	0
220	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	23	0	0	0
221	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	76	0	0	0
222	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	54	0	0	0
223	POWER FINANCE CORPORATION LTD.	496	0	0	0
224	RURAL ELECTRIFICATION CORPN. LTD.	566	52	0	52

S.No.	Cognate Group / CPSE	Total No. of Employees as on 31.3.2017	No. of houses constructed in township	No. of houses under construction	Total No. of houses constructed as on 31.3.2017
<b>SUB TOTAL :</b>		<b>3140</b>	<b>52</b>	<b>0</b>	<b>52</b>
<b>TELECOMMUNICATION &amp; INFORMATION TECHNOLOGY</b>					
225	BHARAT BROADBAND NETWORK LTD.	118	0	0	0
226	BHARAT SANCHAR NIGAM LTD.	196448	0	0	0
227	MAHANAGAR TELEPHONE NIGAM LTD.	27919	0	0	0
228	RAILTEL CORPORATION INDIA LTD.	553	0	0	0
229	RAILTEL ENTERPRISES LTD.	2	0	0	0
230	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	854	0	0	0
<b>SUB TOTAL :</b>		<b>225894</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ENTERPRISES UNDER CONSTRUCTION</b>					
231	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	417	630	0	630
232	BUNDELKHAND SAUR URJA LTD.	11	0	0	0
233	CHHATTISGARH EAST RAILWAYS LTD.	10	0	0	0
234	CHHATTISGARH EAST-WEST RAILWAYS LTD.	10	0	0	0
235	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	831	0	0	0
236	HLL MEDIPARK LTD	2	0	0	0
237	KOLKATA METRO RAIL CORPORATION LTD.	9	0	0	0
238	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	33	0	0	0
239	MAHANADI BASIN POWER LTD.	8	0	0	0
240	MJSJ COAL LTD.	3	0	0	0
241	MNH SHAKTI LTD.	2	0	0	0
242	NAINI AEROSPACE LTD.	125	0	0	0
243	NEYVELI UTTAR PRADESH POWER LTD	45	0	0	0
244	NMDC-CMDC LTD.	2	0	0	0
245	SJVN THERMAL PVT. LTD.	71	0	0	0
<b>SUB TOTAL :</b>		<b>1579</b>	<b>630</b>	<b>0</b>	<b>630</b>
<b>GRAND TOTAL :</b>		<b>1130840</b>	<b>504816</b>	<b>4560</b>	<b>509376</b>

**STATEMENT - 22**  
**BREAK-UP OF TOTAL EMPLOYEES AS ON 31.3.2017**

S.No.	Cognate Group / CPSE	Managerial/ Executives	Supervisory		Non-Executives		Casual/ Daily Rated Workers	Contract Workers / Employees	Total
			Unionised	Non- Unionised	Skilled	Unskilled			
<b>AGRO BASED INDUSTRIES</b>									
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	6	202	16	705	0	31	3	963
2	CREDA HPCL BIOFUEL LTD.	0	0	0	0	0	0	0	0
3	HPCL BIOFUELS LTD.	36	0	99	609	0	0	335	1079
4	INDIAN OIL-CREDA BIOFUELS LTD.	1	0	0	0	0	0	0	1
5	NATIONAL SEEDS CORPN. LTD.	227	0	121	472	694	331	0	1845
<b>SUB TOTAL :</b>		<b>270</b>	<b>202</b>	<b>236</b>	<b>1786</b>	<b>694</b>	<b>362</b>	<b>338</b>	<b>3888</b>
<b>COAL</b>									
6	BHARAT COKING COAL LTD.	2242	3930	0	18181	26794	40530	0	91677
7	CENTRAL COALFIELDS LTD.	2438	3274	0	14101	22343	3	4215	46374
8	COAL INDIA LTD.	507	323	0	1131	609	0	877	3447
9	EASTERN COALFIELDS LTD.	2276	4425	0	24655	32673	0	0	64029
10	MAHANADI COALFIELDLS LTD.	1828	3265	0	8899	8044	0	0	22036
11	NORTHERN COALFIELDS LTD.	1708	1605	0	11232	812	0	0	15357
12	SOUTH EASTERN COALFIELDS LTD.	3243	9552	0	30344	18070	0	0	61209
13	WESTERN COALFIELDS LTD.	2541	5147	328	20404	19212	0	0	47632
<b>SUB TOTAL :</b>		<b>16783</b>	<b>31521</b>	<b>328</b>	<b>128947</b>	<b>128557</b>	<b>40533</b>	<b>5092</b>	<b>351761</b>
<b>CRUDE OIL</b>									
14	BHARAT PETRO RESOURCES LTD.	2	0	0	0	0	0	8	10
15	OIL & NATURAL GAS CORPORATION LTD.	21996	1997	0	7213	2454	285	22070	56015
16	OIL INDIA LTD.	1506	1140	0	2985	1597	0	4842	12070
17	ONGC VIDESH LTD.	1675	0	0	588	0	0	157	2420
18	PRIZE PETROLEUM COMPANY LTD.	3	0	17	0	0	0	0	20
<b>SUB TOTAL :</b>		<b>25182</b>	<b>3137</b>	<b>17</b>	<b>10786</b>	<b>4051</b>	<b>285</b>	<b>27077</b>	<b>70535</b>
<b>OTHER MINERALS &amp; METALS</b>									
19	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	28	0	0	15	3	0	102	148
20	HINDUSTAN COPPER LTD.	538	0	53	1647	605	0	2318	5161
21	INDIAN RARE EARTHS LTD.	504	0	0	796	362	18	1813	3493
22	J & K MINERAL DEVELOPMENT CORPN. LTD.	2	0	0	2	2	0	1	7
23	KIOCL LTD.	254	0	49	578	41	0	524	1446
24	MOIL LTD.	352	0	124	1298	4427	0	0	6201
25	NATIONAL ALUMINIUM COMPANY LTD.	1807	754	0	3736	641	0	9612	16550
26	NMDC Ltd.	1483	0	181	3410	498	0	10041	15613



S.No.	Cognate Group / CPSE	Managerial/ Executives	Supervisory		Non-Executives		Casual/ Daily Rated Workers	Contract Workers / Employees	Total
			Unionised	Non- Unionised	Skilled	Unskilled			
27	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	80	40	0	148	182	0	0	450
28	THE BISRA STONE LIME COMPANY LTD.	27	51	0	129	517	0	0	724
29	URANIUM CORPORATION OF INDIA LTD.	274	292	0	1577	2630	80	10	4863
<b>SUB TOTAL :</b>		<b>5349</b>	<b>1137</b>	<b>407</b>	<b>13336</b>	<b>9908</b>	<b>98</b>	<b>24421</b>	<b>54656</b>
<b>STEEL</b>									
30	FERRO SCRAP NIGAM LTD.	145	0	0	691	3	0	0	839
31	MISHRA DHATU NIGAM LTD.	232	0	77	246	201	426	42	1224
32	RASHTRIYA ISPAT NIGAM LTD.	5865	0	169	9842	1962	0	15078	32916
33	STEEL AUTHORITY OF INDIA LTD.	12840	0	0	70124	0	15	59606	142585
<b>SUB TOTAL :</b>		<b>19082</b>	<b>0</b>	<b>246</b>	<b>80903</b>	<b>2166</b>	<b>441</b>	<b>74726</b>	<b>177564</b>
<b>PETROLEUM (REFINERY &amp; MARKETING)</b>									
34	BHARAT PETROLEUM CORPN. LTD.	5928	0	0	4832	1724	0	29847	42331
35	CHENNAI PETROLEUM CORPORATION LTD.	805	0	0	840	0	0	5956	7601
36	HINDUSTAN PETROLEUM CORPN. LTD.	5858	0	0	3635	929	15	24494	34931
37	INDIAN OIL CORPORATION LTD.	16545	5884	0	9917	789	37	100	33272
38	MANGALORE REFINERY & PETROCHEMICALS LTD.	821	99	0	986	11	0	2745	4662
39	NUMALIGARH REFINERY LTD.	429	0	0	437	4	0	0	870
<b>SUB TOTAL :</b>		<b>30386</b>	<b>5983</b>	<b>0</b>	<b>20647</b>	<b>3457</b>	<b>52</b>	<b>63142</b>	<b>123667</b>
<b>FERTILIZERS</b>									
40	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	386	0	0	250	9	0	698	1343
41	FERTILIZER CORPN. OF INDIA LTD.	0	0	5	1	0	0	0	6
42	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	661	0	0	1018	501	369	52	2601
43	HINDUSTAN FERTILIZER CORPN. LTD.	2	2	0	0	0	0	0	4
44	MADRAS FERTILIZERS LTD.	433	0	0	215	36	0	19258	19942
45	NATIONAL FERTILIZERS LTD.	1663	0	0	1762	92	5	3287	6809
46	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	930	995	757	674	171	0	1147	4674
<b>SUB TOTAL :</b>		<b>4075</b>	<b>997</b>	<b>762</b>	<b>3920</b>	<b>809</b>	<b>374</b>	<b>24442</b>	<b>35379</b>
<b>CHEMICALS &amp; PHARMACEUTICALS</b>									
47	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	70	83	0	145	22	0	0	320
48	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	63	0	18	11	20	0	7	119

S.No.	Cognate Group / CPSE	Managerial/ Executives	Supervisory		Non-Executives		Casual/ Daily Rated Workers	Contract Workers / Employees	Total
			Unionised	Non- Unionised	Skilled	Unskilled			
49	BRAHAMPUTRA CRACKERS & POLYMER LTD.	399	0	193	0	0	0	0	592
50	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	24	7	41	4	110	57	50	293
51	HINDUSTAN ANTIBIOTICS LTD.	204	7	0	565	221	74	1	1072
52	HINDUSTAN FLUOROCARBONS LIMITED	82	0	0	18	24	23	8	155
53	HINDUSTAN INSECTICIDES LTD.	2	0	279	594	117	0	0	992
54	HINDUSTAN ORGANIC CHEMICALS LTD.	329	0	37	337	165	132	150	1150
55	HLL BIOTECH LTD.	113	0	25	19	0	0	0	157
56	IDPL (TAMILNADU) LTD.	7	0	0	32	73	0	91	203
57	INDIAN DRUGS & PHARMACEUTICALS LTD.	16	0	26	0	0	0	123	165
58	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	23	92	14	0	0	18	255	402
59	INDIAN VACCINE CORP. LTD.	1	0	1	0	0	0	2	4
60	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	244	0	0	209	278	0	0	731
61	ONGC MANGALORE PETROCHEMICALS LTD.	159	0	0	253	45	0	489	946
62	ORISSA DRUGS & CHEMICALS LTD.	10	0	13	27	11	0	61	122
63	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	24	0	33	101	2	0	0	160
<b>SUB TOTAL :</b>		<b>1770</b>	<b>189</b>	<b>680</b>	<b>2315</b>	<b>1088</b>	<b>304</b>	<b>1237</b>	<b>7583</b>
<b>HEAVY &amp; MEDIUM ENGINEERING</b>									
64	BALMER LAWRIE & CO. LTD.	488	0	222	88	390	0	280	1468
65	BEL OPTRONICS DEVICES LTD.	32	0	0	95	0	0	0	127
66	BEL-THALES SYSTEMS LTD.	9	0	3	0	0	0	8	20
67	BHARAT DYNAMICS LTD.	893	0	0	2011	278	1	91	3274
68	BHARAT ELECTRONICS LTD.	5472	183	0	3835	226	0	4600	14316
69	BHARAT HEAVY ELECTRICALS LTD.	11590	0	7645	19617	969	0	19577	59398
70	BHARAT PUMPS & COMPRESSORS LTD.	86	0	16	287	2	0	72	463
71	BHARAT WAGON & ENGG. CO. LTD.	18	0	41	538	3	0	4	604
72	BHEL ELECTRICAL MACHINES LTD.	19	13	4	119	19	0	27	201
73	BRAITHWAITE & CO. LTD.	46	23	14	197	0	20	215	515
74	BURN STANDARD COMPANY LTD.	46	86	0	393	0	0	1183	1708
75	CENTRAL ELECTRONICS LTD.	189	0	0	258	7	10	54	518
76	COCHIN SHIPYARD LTD.	313	0	181	1335	0	0	575	2404

S.No.	Cognate Group / CPSE	Managerial/ Executives	Supervisory		Non-Executives		Casual/ Daily Rated Workers	Contract Workers / Employees	Total
			Unionised	Non- Unionised	Skilled	Unskilled			
77	ELECTRONICS CORPN. OF INDIA LTD.	1563	0	0	465	211	0	0	2239
78	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	504	0	131	1360	406	0	0	2401
79	GOA SHIPYARD LTD.	245	0	202	727	216	0	1418	2808
80	HEAVY ENGINEERING CORPN. LTD.	735	0	106	550	65	1	1952	3409
81	HINDUSTAN AERONAUTICS LTD.	9054	0	0	20454	18	349	11557	41432
82	HINDUSTAN CABLES LTD.	0	0	0	0	0	0	0	0
83	HINDUSTAN SHIPYARD LTD.	358	383	0	603	8	5	442	1799
84	HMT BEARINGS LTD.	0	0	0	0	0	0	0	0
85	HMT CHINAR WATCHES LTD.	0	0	0	0	0	0	0	0
86	HMT LTD.	34	0	12	222	0	0	150	418
87	HMT MACHINE TOOLS LTD.	427	87	0	1137	0	0	800	2451
88	HMT WATCHES LTD.	0	0	0	146	0	0	0	146
89	HOOGHLY DOCK AND PORT ENGINEERS LTD.	1	1	2	21	20	11	23	79
90	I T I LTD.	2546	0	0	1506	0	0	157	4209
91	INSTRUMENTATION LTD.	157	0	328	158	69	0	0	712
92	MAZAGON DOCK SHIPBUILDERS LTD.	1078	512	0	3490	3	0	3572	8655
93	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	73	0	81	60	25	55	495	789
94	RICHARDSON & CRUDDAS(1972) LTD.	4	0	4	3	0	0	0	11
95	SAIL REFRACTORY COMPANY LTD.	20	0	0	181	3	0	785	989
96	SCOOTERS INDIA LTD.	86	20	0	144	10	0	305	565
97	TUNGABHADRA STEEL PRODUCTS LTD.	5	0	14	56	0	0	0	75
98	VIGNYAN INDUSTRIES LTD.	14	0	0	47	25	0	172	258
<b>SUB TOTAL :</b>		<b>36105</b>	<b>1308</b>	<b>9006</b>	<b>60103</b>	<b>2973</b>	<b>452</b>	<b>48514</b>	<b>158461</b>
<b>TRANSPORATATION VEHICLE &amp; EQUIPMENT</b>									
99	BEML LTD.	2247	3059	0	2709	206	0	5166	13387
<b>SUB TOTAL :</b>		<b>2247</b>	<b>3059</b>	<b>0</b>	<b>2709</b>	<b>206</b>	<b>0</b>	<b>5166</b>	<b>13387</b>
<b>INDUSTRIAL AND CONSUMER GOODS</b>									
100	ANDREW YULE & COMPANY LTD.	220	444	88	360	13645	0	127	14884
101	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	112	0	0	179	9	349	38	687
102	CEMENT CORPN. OF INDIA LTD.	165	204	0	210	89	0	1485	2153
103	HINDUSTAN NEWSPRINT LTD.	103	0	34	244	114	203	366	1064
104	HINDUSTAN PAPER CORPORATION LTD.	302	0	132	1321	85	1	2577	4418

S.No.	Cognate Group / CPSE	Managerial/ Executives	Supervisory		Non-Executives		Casual/ Daily Rated Workers	Contract Workers / Employees	Total
			Unionised	Non- Unionised	Skilled	Unskilled			
105	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	6	0	48	84	32	8	8	186
106	HINDUSTAN SALTS LTD.	17	0	19	36	0	119	21	212
107	HLL LIFECARE LTD.	434	0	208	746	345	0	1276	3009
108	HOOGLHY PRINTING COMPANY LTD.	10	0	6	24	9	0	0	49
109	NAGALAND PULP & PAPER COMPANY LTD.	66	0	24	0	91	0	0	181
110	NEPA LTD.	196	0	0	392	0	166	20	774
111	SAMBHAR SALTS LTD.	13	0	22	34	41	162	30	302
112	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	359	670	338	3493	5494	239	1052	11645
<b>SUB TOTAL :</b>		<b>2003</b>	<b>1318</b>	<b>919</b>	<b>7123</b>	<b>19954</b>	<b>1247</b>	<b>7000</b>	<b>39564</b>
<b>TEXTILES</b>									
113	BIRDS JUTE & EXPORTS LTD.	0	0	0	0	0	0	0	0
114	BRITISH INDIA CORPORATION LTD.	75	46	263	666	159	0	0	1209
115	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	0	0	0	0	0	0	0	0
116	NATIONAL TEXTILE CORPN. LTD.	445	210	58	6029	1006	3205	753	11706
<b>SUB TOTAL :</b>		<b>520</b>	<b>256</b>	<b>321</b>	<b>6695</b>	<b>1165</b>	<b>3205</b>	<b>753</b>	<b>12915</b>
<b>POWER GENERATION</b>									
117	BHARTIYA RAIL BIJLEE CO. LTD.	173	0	0	0	0	0	0	173
118	KANTI BIJLEE UTPADAN NIGAM LTD.	181	0	0	11	0	0	1995	2187
119	NHDC LTD.	297	0	34	101	115	0	0	547
120	NHPC LTD.	3834	0	193	2722	1260	0	6105	14114
121	NLC INDIA LTD.	4062	0	390	9335	1243	0	14147	29177
122	NLC TAMIL NADU POWER LTD.	189	17	16	5	6	0	1179	1412
123	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	946	336	0	966	56	0	48	2352
124	NTPC LTD.	11636	0	138	8457	362	0	0	20593
125	NUCLEAR POWER CORPN. OF INDIA LTD.	4248	0	1838	5217	0	0	0	11303
126	PATRATU VIDYUT UTPADAN NIGAM LTD.	51	0	0	33	0	0	464	548
127	SJVN LTD.	788	15	273	544	71	0	1621	3312
128	THDC INDIA LTD.	830	0	82	709	315	0	2860	4796
<b>SUB TOTAL :</b>		<b>27235</b>	<b>368</b>	<b>2964</b>	<b>28100</b>	<b>3428</b>	<b>0</b>	<b>28419</b>	<b>90514</b>
<b>POWER TRANSMISSION</b>									
129	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	0	0	0	0
130	POWER GRID CORPORATION OF INDIA LTD.	3986	0	2456	2372	73	0	459	9346

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			Unionised	Non- Unionised	Skilled	Unskilled			
131	POWER GRID WARORA TRANSMISSION LTD.	0	0	0	0	0	0	0	0
132	POWERGRID NM TRANSMISSION LTD.	3	0	0	0	0	0	0	3
133	POWERGRID UNCHAHAHAR TRANSMISSION LTD.	0	0	0	0	0	0	0	0
134	POWERGRID VIZAG TRANSMISSION LTD.	3	0	0	0	0	0	0	3
135	REC POWER DISTRIBUTION CO. LTD.	31	0	0	0	0	0	31	62
136	REC TRANSMISSION PROJECTS CO. LTD.	0	0	0	0	0	0	6	6
<b>SUB TOTAL :</b>		<b>4023</b>	<b>0</b>	<b>2456</b>	<b>2372</b>	<b>73</b>	<b>0</b>	<b>496</b>	<b>9420</b>
<b>TRADING &amp; MARKETING</b>									
137	ANTRIX CORPORATION LTD.	18	0	5	8	49	0	57	137
138	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	164	6	0	10	97	0	154	431
139	COTTON CORPN. OF INDIA LTD.	95	744	0	0	0	213	0	1052
140	FOOD CORPN. OF INDIA	5421	15251	0	2970	0	0	0	23642
141	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	19	0	35	31	20	169	20	294
142	HMT (INTERNATIONAL) LTD.	17	0	9	1	1	0	4	32
143	INDIA TRADE PROMOTION ORGANISATION	153	0	70	224	345	0	0	792
144	KARNATAKA TRADE PROMOTION ORGANISATION	1	0	0	0	0	0	0	1
145	M M T C LTD.	481	704	0	17	23	0	0	1225
146	M S T C LTD.	188	121	0	0	0	0	0	309
147	NATIONAL FILM DEV. CORPN. LTD.	25	0	13	9	45	0	0	92
148	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	81	0	34	68	25	0	0	208
149	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	12	12	0	40	0	3	12	79
150	NORTH EASTERN REGIONAL AGR. MARKETING CORP.LTD.	8	0	0	12	30	26	19	95
151	NTPC VIDYUT VYAPAR NIGAM LTD.	42	0	0	1	0	0	0	43
152	P E C LTD.	113	13	0	0	4	0	0	130
153	STATE TRADING CORPN. OF INDIA LTD.	464	0	0	144	63	13	0	684
154	STCL LTD.	6	4	0	2	1	0	0	13
155	TAMIL NADU TRADE PROMOTION ORGANISATION	6	0	0	0	0	1	203	210
156	THE JUTE CORPN. OF INDIA LTD.	4	27	101	107	123	211	0	573
<b>SUB TOTAL :</b>		<b>7318</b>	<b>16882</b>	<b>267</b>	<b>3644</b>	<b>826</b>	<b>636</b>	<b>469</b>	<b>30042</b>

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<b>TRANSPORT AND LOGISTIC SERVICES</b>									
157	AIR INDIA AIR TRANSPORT SERVICES LTD.	7	0	155	667	1513	0	0	2342
158	AIR INDIA ENGINEERING SERVICES LTD.	440	0	4000	0	0	0	0	4440
159	AIR INDIA EXPRESS LTD.	10	0	0	1041	4	0	832	1887
160	AIR INDIA LTD.	4481	1554	0	3417	2375	2083	0	13910
161	AIRLINE ALLIED SERVICES LTD.	24	0	33	476	0	0	0	533
162	AIRPORTS AUTHORITY OF INDIA	8185	2702	0	3516	3086	0	0	17489
163	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	0	0	0	0	0	0	42	42
164	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	49	0	0	0	0	0	12	61
165	CENTRAL WAREHOUSING CORPN.	266	877	927	1028	541	0	82	3721
166	CONCOR AIR LTD.	0	0	0	0	0	0	1	1
167	CONTAINER CORPORATION OF INDIA LTD.	302	0	219	950	0	0	0	1471
168	DREDGING CORPN. OF INDIA LTD.	313	9	0	140	46	0	489	997
169	FRESH & HEALTHY ENTERPRISES LTD.	8	0	0	3	12	0	0	23
170	GAIL (INDIA) LTD.	3466	225	0	603	61	0	17793	22148
171	GAIL GAS LTD.	0	0	0	0	0	0	0	0
172	KAMARAJAR PORT LTD.	63	0	0	40	0	0	0	103
173	PAWAN HANS LTD.	194	162	0	93	0	0	317	766
174	PETRONET CCK LTD.	29	0	0	14	0	45	89	177
175	SHIPPING CORPORATION OF INDIA LTD.	672	103	0	0	0	0	13	788
176	SIDCUL CONCOR INFRA COMPANY LTD.	0	0	0	0	0	0	0	0
177	TCIL BINA TOLL ROAD LTD.	2	0	5	0	25	0	0	32
<b>SUB TOTAL :</b>		<b>18511</b>	<b>5632</b>	<b>5339</b>	<b>11988</b>	<b>7663</b>	<b>2128</b>	<b>19670</b>	<b>70931</b>
<b>CONTRACT &amp; CONSTRUCTION AND TECH. CONSULTANCY SERVICES</b>									
178	AGRINNOVATE INDIA LTD.	2	0	0	0	0	0	2	4
179	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	59	38	7	230	149	364	0	847
180	BRIDGE & ROOF CO.(INDIA) LTD.	714	366	0	223	9	0	0	1312
181	BROADCAST ENGG. CONSULTANTS INDIA LTD.	38	0	21	0	0	0	0	59
182	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	917	1201	0	0	1380	0	0	3498
183	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	68	0	3	0	0	0	7	78

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184	DELHI POLICE HOUSING CORPORATION LTD.	0	0	0	0	0	0	0	0
185	EdCIL(India) Ltd.	57	0	19	20	0	0	60	156
186	ENGINEERING PROJECTS (INDIA) LTD.	313	0	36	17	3	0	80	449
187	ENGINEERS INDIA LTD.	964	0	1739	233	3	0	0	2939
188	HINDUSTAN PREFAB LTD.	34	60	0	140	13	0	149	396
189	HINDUSTAN STEELWORKS COSTN. LTD.	27	2	0	6	2	0	0	37
190	HLL INFRA TECH SERVICES LTD.	130	0	12	0	0	0	252	394
191	HSCC (INDIA) LTD.	133	11	32	0	0	0	0	176
192	IIFCL PROJECTS LTD.	15	0	0	0	0	0	3	18
193	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	12	0	2	0	0	0	1	15
194	IRCON INFRASTRUCTURE & SERVICES LTD.	7	0	5	0	0	0	31	43
195	IRCON INTERNATIONAL LTD.	698	0	202	283	0	0	265	1448
196	IRCON PB TOLLWAY LTD.	0	0	0	0	0	0	2	2
197	IRCON SHIVPURI GUNA TOLLWAY LTD.	0	0	0	0	0	0	0	0
198	KONKAN RAILWAY CORPORATION LTD.	213	1153	0	3009	787	0	154	5316
199	MECON LTD.	1223	161	0	0	0	0	782	2166
200	MINERAL EXPLORATION CORPN. LTD.	316	233	0	666	0	18	621	1854
201	MUMBAI RAILWAY VIKAS CORPORATION LTD.	76	0	132	10	16	0	0	234
202	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	0	0	0	0	0	0	0	0
203	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	306	132	0	321	98	0	0	857
204	NATIONAL RESEARCH DEVELOPMENT CORPN.	37	9	0	10	14	0	20	90
205	NATIONAL SMALL INDUSTRIES CORPN. LTD.	485	158	0	125	62	0	0	830
206	NBCC (INDIA) LTD.	460	377	454	660	0	0	189	2140
207	NBCC ENGINEERING AND CONSULTANCY LTD.	22	0	0	2	0	0	6	30
208	NBCC SERVICES LTD.	14	0	13	57	0	0	7	91
209	PFC CAPITAL ADVISORY SERVICE LTD.	0	0	0	0	0	0	0	0
210	PFC CONSULTING LTD.	0	0	0	0	0	0	0	0
211	POWER SYSTEM OPERATION CORPORATION LTD.	346	0	41	69	0	0	196	652
212	PROJECTS & DEVELOPMENT INDIA LTD.	334	0	23	13	0	0	65	435



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213	RAIL VIKAS NIGAM LTD.	470	0	0	5	27	0	0	502
214	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	0	0	0	0	0	0	0	0
215	RITES INFRASTRUCTURE SERVICES LTD.	0	0	0	0	0	0	0	0
216	RITES LTD.	1609	0	252	253	212	0	952	3278
217	SOLAR ENERGY CORPORATION OF INDIA	63	0	8	0	0	0	61	132
218	TCIL LAKHNADONE TOLL ROAD LTD.	0	0	0	0	0	0	0	0
219	WAPCOS LTD.	617	16	61	96	80	0	1997	2867
<b>SUB TOTAL :</b>		<b>10779</b>	<b>3917</b>	<b>3062</b>	<b>6448</b>	<b>2855</b>	<b>382</b>	<b>5902</b>	<b>33345</b>
<b>HOTEL AND TOURIST SERVICES</b>									
220	ASSAM ASHOK HOTEL CORPN. LTD.	5	7	0	44	7	0	54	117
221	DONYI POLO ASHOK HOTEL LTD.	3	3	0	20	0	0	16	42
222	HOTEL CORPN. OF INDIA LTD.	52	100	40	544	331	231	223	1521
223	INDIA TOURISM DEV. CORPN. LTD.	223	65	0	795	149	0	81	1313
224	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	306	0	516	658	0	0	14	1494
225	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	2	8	0	47	0	0	51	108
226	PONDICHERRY ASHOK HOTEL CORPN. LTD.	1	0	6	9	0	0	14	30
227	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	1	2	0	23	11	0	12	49
228	UTKAL ASHOK HOTEL CORPN. LTD.	0	0	0	0	0	0	0	0
<b>SUB TOTAL :</b>		<b>593</b>	<b>185</b>	<b>562</b>	<b>2140</b>	<b>498</b>	<b>231</b>	<b>465</b>	<b>4674</b>
<b>FINANCIAL SERVICES</b>									
229	BALMER LAWRIE INVESTMENTS LTD.	0	0	0	0	0	0	0	0
230	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	30	0	0	9	0	0	0	39
231	E. C. G. C. LTD.	246	325	0	0	32	0	0	603
232	EASTERN INVESTMENT LTD.	2	0	0	0	0	0	0	2
233	HOUSING & URBAN DEV. CORPN. LTD.	618	0	72	74	111	0	0	875
234	IIFCL ASSET MANAGEMENT COMPANY LTD.	6	0	0	0	0	0	4	10
235	INDIA INFRASTRUCTURE FINANCE CO. LTD.	92	0	0	0	1	0	1	94
236	INDIA POST PAYMENT BANK LTD	3	0	0	0	0	0	5	8

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237	INDIAN RAILWAY FINANCE CORPORATION LTD.	7	0	0	8	3	0	0	18
238	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	125	0	7	1	19	0	50	202
239	JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	12	0	4	0	0	0	0	16
240	KUMARAKRUPPA FRONTIER HOTELS LTD.	2	0	0	1	0	0	0	3
241	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	10	0	7	29	0	0	0	46
242	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	14	0	1	16	5	0	0	36
243	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	12	0	4	3	14	0	14	47
244	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	10	0	0	10	3	0	22	45
245	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	37	0	9	18	12	0	0	76
246	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	27	0	6	21	0	0	0	54
247	PFC GREEN ENERGY LTD.	0	0	0	0	0	0	0	0
248	POWER FINANCE CORPORATION LTD.	385	87	0	22	2	0	40	536
249	RURAL ELECTRIFICATION CORPN. LTD.	441	0	0	55	70	0	0	566
<b>SUB TOTAL :</b>		<b>2079</b>	<b>412</b>	<b>110</b>	<b>267</b>	<b>272</b>	<b>0</b>	<b>136</b>	<b>3276</b>
<b>TELECOMMUNICATION &amp; INFORMATION TECHNOLOGY</b>									
250	BHARAT BROADBAND NETWORK LTD.	118	0	0	0	0	0	426	544
251	BHARAT SANCHAR NIGAM LTD.	45354	0	0	151094	0	3469	0	199917
252	MAHANAGAR TELEPHONE NIGAM LTD.	3925	0	0	16366	7628	14	0	27933
253	MILLENNIUM TELECOM LTD.	0	0	0	0	0	0	0	0
254	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	0	0	0	0	0	0	0	0
255	RAILTEL CORPORATION INDIA LTD.	539	0	5	9	0	0	230	783
256	RAILTEL ENTERPRISES LTD.	2	0	0	0	0	0	0	2
257	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	400	214	0	240	0	0	272	1126
<b>SUB TOTAL :</b>		<b>50338</b>	<b>214</b>	<b>5</b>	<b>167709</b>	<b>7628</b>	<b>3483</b>	<b>928</b>	<b>230305</b>
<b>ENTERPRISES UNDER CONSTRUCTION</b>									
258	ANUSHAKTI VIDHYUT NIGAM LTD.	0	0	0	0	0	0	0	0
259	BALLABGARH - GN TRANSMISSION CO. LTD.	0	0	0	0	0	0	0	0

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260	BHARAT PETRO RESOURCES JPDA	0	0	0	0	0	0	0	0
261	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	200	0	86	131	0	0	0	417
262	BIHAR INFRAPOWER LTD.	0	0	0	0	0	0	0	0
263	BIHAR MEGA POWER LTD.	0	0	0	0	0	0	0	0
264	BIJAWAR-VIDARBHA TRANSMISSION LTD	0	0	0	0	0	0	0	0
265	BPCL-KIAL FUEL PVT. LTD.	0	0	0	0	0	0	0	0
266	BUNDELKHAND SAUR URJA LTD.	11	0	0	0	0	0	0	11
267	CHEYYUR INFRA LTD.	0	0	0	0	0	0	0	0
268	CHHATTISGARH EAST RAILWAYS LTD.	7	3	0	0	0	0	0	10
269	CHHATTISGARH EAST-WEST RAILWAYS LTD.	7	3	0	0	0	0	0	10
270	CHHATTISGARH MEGA STEEL CO. LTD.	0	0	0	0	0	0	0	0
271	CHHATTISGARH SURGUJA POWER LTD.	0	0	0	0	0	0	0	0
272	COASTAL KARNATAKA POWER LTD.	0	0	0	0	0	0	0	0
273	COASTAL MAHARASHTRA MEGA POWER LTD.	0	0	0	0	0	0	0	0
274	COASTAL TAMIL NADU POWER LTD.	0	0	0	0	0	0	0	0
275	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	471	0	296	23	41	0	53	884
276	DEOGHAR INFRA LTD.	0	0	0	0	0	0	0	0
277	DEOGHAR MEGA POWER LTD.	0	0	0	0	0	0	0	0
278	DINGCHANG TRANSMISSION LTD.	0	0	0	0	0	0	0	0
279	ERSS XXI TRANSMISSION LTD	0	0	0	0	0	0	0	0
280	FATEHGARH BHADLA TRANSMISSION LTD	0	0	0	0	0	0	0	0
281	GHATAMPUR TRANSMISSION LTD.	0	0	0	0	0	0	0	0
282	GHOARPALLI INTEGRATED POWER COMPANY LTD.	0	0	0	0	0	0	0	0
283	GOA-TAMNAR TRANSMISSION PROJECT LTD	0	0	0	0	0	0	0	0
284	GRID CONDUCTOR LTD.	0	0	0	0	0	0	0	0
285	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	0	0	0	0	0	0	0	0
286	HLL MEDIPARK LTD	2	0	0	0	0	0	1	3
287	HPCL RAJASTHAN REFINERY LTD.	0	0	0	0	0	0	0	0
288	INDIAN CATALYST PVT. LTD.	0	0	0	0	0	0	0	0

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289	INLAND & COASTAL SHIPPING LTD.	0	0	0	0	0	0	0	0
290	JAGDISHPUR PAPER MILLS LTD.	0	0	0	0	0	0	0	0
291	JHARKHAND INFRAPOWER LTD.	0	0	0	0	0	0	0	0
292	JHARKHAND KOLHAN STEEL LTD.	0	0	0	0	0	0	0	0
293	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.	0	0	0	0	0	0	0	0
294	KARNATAKA VIJAY NAGAR STEEL LTD.	0	0	0	0	0	0	0	0
295	KOHIMA-MARIANI TRANSMISSION LTD.	0	0	0	0	0	0	0	0
296	KOLKATA METRO RAIL CORPORATION LTD.	9	0	0	0	0	0	0	9
297	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	17	0	0	10	6	0	0	33
298	MAHANADI BASIN POWER LTD.	6	0	1	0	1	0	0	8
299	MAMC INDUSTRIES LTD.	0	0	0	0	0	0	0	0
300	MEDINIPUR-JEERAT TRANSMISSION LTD.	0	0	0	0	0	0	0	0
301	MJSJ COAL LTD.	2	1	0	0	0	0	0	3
302	MNH SHAKTI LTD.	1	1	0	0	0	0	0	2
303	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	0	0	0	0	0	0	0	0
304	NAINI AEROSPACE LTD.	12	100	0	13	0	12	18	155
305	NEYVELI UTTAR PRADESH POWER LTD	44	0	1	0	0	0	12	57
306	NMDC POWER LTD.	0	0	0	0	0	0	0	0
307	NMDC STEEL LTD.	0	0	0	0	0	0	0	0
308	NMDC-CMDC LTD.	0	0	0	2	0	0	0	2
309	NPCL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.	0	0	0	0	0	0	0	0
310	NPCL - NALCO POWER COMPANY LTD.	0	0	0	0	0	0	0	0
311	ODISHA INFRAPOWER LTD.	0	0	0	0	0	0	0	0
312	OIL INDIA INTERNATIONAL LTD.	0	0	0	0	0	0	0	0
313	ORISSA INTEGRATED POWER LTD.	0	0	0	0	0	0	0	0
314	POWER EQUITY CAPITAL ADVISORS PVT. LTD.	0	0	0	0	0	0	0	0
315	POWER GRID JABALPUR TRANSMISSION LTD.	0	0	0	0	0	0	0	0
316	POWER GRID PARLI TRANSMISSION LTD.	0	0	0	0	0	0	0	0

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317	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	0	0	0	0	0	0	0	0
318	POWER GRID VEMAGIRI TRANSMISSION LTD.	0	0	0	0	0	0	0	0
319	POWERGRID KALA AMB TRANSMISSION LTD.	0	0	0	0	0	0	0	0
320	PUNJAB ASHOK HOTEL COMPANY LTD.	0	0	0	0	0	0	0	0
321	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	0	0	0	0	0	0	0	0
322	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	0	0	0	0	0	0	0	0
323	SETHUSAMUDRAM CORPN. LTD.	0	0	0	0	0	0	0	0
324	SHONGTONG KARCHAM WANGTOO TRANSMISSION LTD	0	0	0	0	0	0	0	0
325	SJVN THERMAL PVT. LTD.	49	3	0	17	2	0	44	115
326	SOUTH-CENTRAL EAST DELHI POWER TRANSMISSION LTD.	0	0	0	0	0	0	0	0
327	TANDA TRANSMISSION COMPANY LTD.	0	0	0	0	0	0	0	0
328	TATIYA ANDHRA MEGA POWER LTD.	0	0	0	0	0	0	0	0
329	WR-NR POWER TRANSMISSION LTD	0	0	0	0	0	0	0	0
330	YULE ELECTRICAL LTD.	0	0	0	0	0	0	0	0
331	YULE ENGINEERING COMPANY LTD.	0	0	0	0	0	0	0	0
<b>SUB TOTAL :</b>		<b>838</b>	<b>111</b>	<b>384</b>	<b>196</b>	<b>50</b>	<b>12</b>	<b>128</b>	<b>1719</b>
<b>GRAND TOTAL :</b>		<b>265486</b>	<b>76828</b>	<b>28071</b>	<b>562134</b>	<b>198321</b>	<b>54225</b>	<b>338521</b>	<b>1523586</b>

**STATEMENT - 23**  
**TOWNSHIP MAINTENANCE EXPENDITURE IN CPSEs (COGNATE GROUP)**

(₹ in Crore)

S.No	Cognate Group	TOWNSHIP MAINTAINANCE					Social	Grand Total	
		Township Office and Administration	Depreciation on Township Outlay	Interest on Township Outlay	Total Gross Expenditure	Less Rent Receipt and Other Income	Net Expenditure		Overheads on Education, Medical and Cultural Activities
1	AGRO BASED INDUSTRIES	0	0	0	0	0	0	0	
2	COAL	1543.37	213.48	0	1756.85	44.53	1712.32	1367.95	3080.27
3	CRUDE OIL	0	0	0	0	0	0	0	0
4	OTHER MINERALS & METALS	42.51	26.55	0	69.06	14.26	54.8	175.94	230.74
5	STEEL	1036.92	48.17	0	1085.09	255.53	829.56	750.76	1580.32
6	PETROLEUM (REFINERY & MARKETING)	513.48	68.33	20.93	602.74	23.16	579.58	133.74	713.32
7	FERTILIZERS	74.31	6.28	1.21	81.8	25.73	56.07	55.27	111.34
8	CHEMICALS & PHARMACEUTICALS	6.37	3.77	0	10.14	3.64	6.5	1.77	8.27
9	HEAVY & MEDIUM ENGINEERING	138.72	15.94	0.35	155.01	60.27	94.74	213.27	308.01
10	TRANSPORTATION VEHICLE & EQUIPMENT	4.98	0.76	0	5.74	0.59	5.15	0	5.15
11	INDUSTRIAL AND CONSUMER GOODS	20.53	8.22	0	28.75	4.07	24.68	15.24	39.92
12	TEXTILES	0.01	0	0	0.01	0.05	-0.04	0	-0.04
13	POWER GENERATION	595.96	161.51	2.26	759.73	71.72	688.01	532.35	1220.36
14	POWER TRANSMISSION	24.43	21.21	0	45.64	9.44	36.2	161.47	197.67
15	TRADING & MARKETING	0.09	0	0	0.09	0.02	0.07	2.32	2.39
16	TRANSPORT AND LOGISTIC SERVICES	48.57	15.89	0	64.46	5.89	58.57	14.3	72.87
17	CONTRACT & CONSTRUCTION AND TECH. CONSULTANCY SERVICES	30.07	7.46	0	37.53	8.24	29.29	26.17	55.46
18	HOTEL AND TOURIST SERVICES	0	0	0	0	0	0	0.22	0.22
19	FINANCIAL SERVICES	0	0	0	0	3.6	-3.6	12.26	8.66
20	TELECOMMUNICATION & INFORMATION TECHNOLOGY	0	0	0	0	0.03	-0.03	0.8	0.77
21	ENTERPRISES UNDER CONSTRUCTION	2.81	2.72	0	5.53	0.48	5.05	2.28	7.33
<b>GRAND TOTAL :</b>		<b>4083.13</b>	<b>600.29</b>	<b>24.75</b>	<b>4708.17</b>	<b>531.25</b>	<b>4176.92</b>	<b>3466.11</b>	<b>7643.03</b>
Total Net Expenditure							=		7643.03
Add Rent Receipts and Other Income							=		531.25
<b>Total Gross Expenditure</b>							<b>=</b>		<b>8174.28</b>

**STATEMENT - 24**  
Representation of SCs, STs and OBCs in the CPSEs under different Ministries/Departments as on 31.3.2017

S.N.	Ministry / Deptt. / CPSE	Group A Managerial/ Executives Level					Group B Supervisory Level					Group C Workers (Skilled)					Group D Workers (Un-Skilled)					Total Employees
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	
<b>MINISTRY OF AGRICULTURE AND FARMERS WELFARE</b>																						
<b>D/O AGRICULTURE COOPERATION AND FARMERS WELFARE</b>																						
1	NATIONAL SEEDS CORPN. LTD.	227	31	8	53	121	16	7	15	472	88	17	111	694	154	22	203	1514	289	54	382	
<b>SUB TOTAL :</b>		<b>227</b>	<b>31</b>	<b>8</b>	<b>53</b>	<b>121</b>	<b>16</b>	<b>7</b>	<b>15</b>	<b>472</b>	<b>88</b>	<b>17</b>	<b>111</b>	<b>694</b>	<b>154</b>	<b>22</b>	<b>203</b>	<b>1514</b>	<b>289</b>	<b>54</b>	<b>382</b>	
<b>MINISTRY OF AGRICULTURE AND FARMERS WELFARE</b>																						
<b>D/O AGRICULTURE RESEARCH AND EDUCATION</b>																						
2	AGRINNOVATE INDIA LTD.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
<b>SUB TOTAL :</b>		<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	
<b>MINISTRY OF AYUSH</b>																						
3	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	23	4	0	0	106	18	1	1	0	0	0	0	0	0	0	0	0	129	22	1	
<b>SUB TOTAL :</b>		<b>23</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>106</b>	<b>18</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>129</b>	<b>22</b>	<b>1</b>	
<b>MINISTRY OF CHEMICALS &amp; FERTILIZERS</b>																						
<b>D/O CHEMICALS &amp; PETROCHEMICALS</b>																						
4	BRAHAMPUTRA CRACKERS & POLYMER LTD.	399	54	23	104	193	21	28	68	0	0	0	0	0	0	0	0	592	75	51	172	
5	HINDUSTAN FLUOROCARBONS LIMITED	82	7	3	19	0	0	0	0	18	3	2	6	24	6	12	6	124	16	17	31	
6	HINDUSTAN INSECTICIDES LTD.	2	0	0	0	279	25	3	35	594	103	22	244	117	24	36	42	992	152	61	321	
7	HINDUSTAN ORGANIC CHEMICALS LTD.	329	54	14	4	37	29	8	9	337	29	5	67	165	18	8	15	868	130	35	95	
<b>SUB TOTAL :</b>		<b>812</b>	<b>115</b>	<b>40</b>	<b>127</b>	<b>509</b>	<b>75</b>	<b>39</b>	<b>112</b>	<b>949</b>	<b>135</b>	<b>29</b>	<b>317</b>	<b>306</b>	<b>48</b>	<b>56</b>	<b>63</b>	<b>2576</b>	<b>373</b>	<b>164</b>	<b>619</b>	
<b>MINISTRY OF CHEMICALS &amp; FERTILIZERS</b>																						



S.N.	Ministry / Deptt. / CPSE	Group A Managerial/ Executives Level					Group B Supervisory Level					Group C Workers (Skilled)					Group D Workers (Un-Skilled)					Total Employees			
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs
<b>D/O FERTILIZER</b>																									
8	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	386	36	41	109	0	0	0	0	250	18	47	83	9	4	0	1	645	58	88	193	58	88	193	
9	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	28	4	0	4	0	0	0	0	15	1	1	5	3	0	0	0	46	5	1	9	5	1	9	
10	FERTILIZER CORPN. OF INDIA LTD.	0	0	0	0	5	1	0	1	1	0	0	0	0	0	0	0	6	1	0	1	1	0	1	
11	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	661	91	25	130	0	0	0	0	1018	115	27	395	501	63	14	206	2180	269	66	731	269	66	731	
12	HINDUSTAN FERTILIZER CORPN. LTD.	2	1	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4	3	0	0	3	0	0	
13	MADRAS FERTILIZERS LTD.	433	93	6	17	0	0	0	0	215	50	1	111	36	24	0	1	684	167	7	129	167	7	129	
14	NATIONAL FERTILIZERS LTD.	1663	356	114	138	0	0	0	0	1762	455	108	217	92	77	1	4	3517	888	223	359	888	223	359	
15	PROJECTS & DEVELOPMENT INDIA LTD.	334	47	17	69	23	4	0	4	13	4	1	1	0	0	0	0	370	55	18	74	55	18	74	
16	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	930	154	30	90	1752	233	136	125	674	105	55	153	171	20	20	53	3527	512	241	421	512	241	421	
<b>SUB TOTAL :</b>		<b>4437</b>	<b>782</b>	<b>233</b>	<b>557</b>	<b>1782</b>	<b>240</b>	<b>136</b>	<b>130</b>	<b>3948</b>	<b>748</b>	<b>240</b>	<b>965</b>	<b>812</b>	<b>188</b>	<b>35</b>	<b>265</b>	<b>10979</b>	<b>1958</b>	<b>644</b>	<b>1917</b>	<b>1958</b>	<b>644</b>	<b>1917</b>	
<b>MINISTRY OF CHEMICALS &amp; FERTILIZERS</b>																									
<b>D/O PHARMACEUTICALS</b>																									
17	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	70	8	0	5	83	4	0	2	145	18	1	3	22	3	0	0	320	33	1	10	33	1	10	
18	HINDUSTAN ANTIBIOTICS LTD.	204	22	6	16	7	1	0	2	565	79	20	97	221	51	13	22	997	153	39	137	153	39	137	
19	IDPL (TAMILNADU) LTD.	7	0	0	0	0	0	0	0	32	0	0	0	73	0	0	0	112	0	0	0	0	0	0	

S.N.	Ministry / Deptt. / CPSE	Group A Managerial/ Executives Level					Group B Supervisory Level					Group C Workers (Skilled)					Group D Workers (Un-Skilled)					Total Employees					
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs		
20	INDIAN DRUGS & PHARMACEUTICALS LTD.	16	1	0	0	26	4	0	0	0	0	2	0	0	0	0	0	0	0	0	0	42	9	0	0		
21	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	244	37	2	30	0	0	0	0	209	62	16	93	278	0	0	0	0	0	0	0	731	99	18	123		
22	ORISSA DRUGS & CHEMICALS LTD.	10	0	0	0	13	0	0	0	27	0	0	0	11	0	0	0	0	0	0	61	0	0	0	0		
23	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	24	2	0	4	33	6	2	5	101	18	15	15	2	0	0	0	0	0	0	160	26	17	24			
<b>SUB TOTAL :</b>		<b>575</b>	<b>70</b>	<b>8</b>	<b>55</b>	<b>162</b>	<b>15</b>	<b>2</b>	<b>9</b>	<b>1079</b>	<b>179</b>	<b>52</b>	<b>208</b>	<b>607</b>	<b>56</b>	<b>13</b>	<b>22</b>	<b>2423</b>	<b>320</b>	<b>75</b>	<b>294</b>						
<b>MINISTRY OF CIVIL AVIATION</b>																											
24	AIR INDIA AIR TRANSPORT SERVICES LTD.	7	1	0	0	155	35	7	20	667	134	52	85	1513	385	122	69	2342	555	181	174						
25	AIR INDIA ENGINEERING SERVICES LTD.	440	0	0	0	4000	0	0	0	0	0	0	0	0	0	0	0	4440	0	0	0						
26	AIR INDIA EXPRESS LTD.	10	0	0	0	0	0	0	0	1041	154	58	252	4	0	2	0	1055	154	60	252						
27	AIR INDIA LTD.	4481	90	26	7	1554	1050	463	246	3417	1368	373	493	2375	0	0	0	11827	2508	862	746						
28	AIRLINE ALLIED SERVICES LTD.	24	3	2	1	33	9	2	0	476	35	13	77	0	0	0	0	533	47	17	78						
29	AIRPORTS AUTHORITY OF INDIA	8185	1337	530	1755	2702	563	184	388	3516	740	324	1007	3086	1263	180	388	17489	3903	1218	3538						
30	HOTEL CORPN. OF INDIA LTD.	52	10	4	0	140	57	17	16	544	55	11	22	331	79	23	19	1067	201	55	57						
31	PAWAN HANS LTD.	194	15	4	13	162	32	16	15	93	25	18	12	0	0	0	0	449	72	38	40						
<b>SUB TOTAL :</b>		<b>13393</b>	<b>1456</b>	<b>566</b>	<b>1776</b>	<b>8746</b>	<b>1746</b>	<b>689</b>	<b>685</b>	<b>9754</b>	<b>2511</b>	<b>849</b>	<b>1948</b>	<b>7309</b>	<b>1727</b>	<b>327</b>	<b>476</b>	<b>39202</b>	<b>7440</b>	<b>2431</b>	<b>4885</b>						
<b>MINISTRY OF COAL</b>																											
32	BHARAT COKING COAL LTD.	2242	272	72	271	3930	9016	2925	10140	18181	0	0	0	26794	4286	635	4262	51147	13574	3632	14673						

S.N.	Ministry / Deptt. / CPSE	Group A Managerial/ Executives Level					Group B Supervisory Level					Group C Workers (Skilled)					Group D Workers (Un-Skilled)					Total Employees				
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	
33	CENTRAL COALFIELDS LTD.	2438	246	146	335	3274	175	120	423	14101	3406	2713	4761	22343	5800	3911	5160	42156	9627	6890	10679					
34	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	917	102	42	187	1201	169	116	242	0	0	0	0	1380	178	114	281	3498	449	272	710					
35	COAL INDIA LTD.	507	25	22	7	323	0	0	0	1131	0	0	0	609	142	96	111	2570	167	118	118					
36	EASTERN COALFIELDS LTD.	2276	365	114	250	4425	253	125	473	24655	8231	3739	8614	32673	8692	4207	6609	64029	17541	8185	15946					
37	MAHANADI COALFIELDS LTD.	1828	244	108	357	3265	265	176	92	8899	848	467	80	8044	970	678	160	22036	2327	1429	689					
38	NLC INDIA LTD.	4062	843	301	443	390	89	4	176	9335	1770	93	2578	1243	276	4	616	15030	2978	402	3813					
39	NLC TAMIL NADU POWER LTD.	189	38	15	22	33	8	2	10	5	1	1	3	6	0	0	2	233	47	18	37					
40	NORTHERN COALFIELDS LTD.	1708	200	47	112	1605	1611	855	2117	11232	1561	875	2192	812	451	231	333	15357	3823	2008	4754					
41	SOUTH EASTERN COALFIELDS LTD.	3243	390	162	381	9552	525	615	704	30344	5410	6185	8737	18070	3719	5222	3765	61209	10044	12184	13587					
42	WESTERN COALFIELDS LTD.	2541	190	36	438	5475	564	167	1075	20404	7236	2095	4002	19212	1850	1100	8028	47632	9840	3398	13543					
<b>SUB TOTAL :</b>		<b>21951</b>	<b>2915</b>	<b>1065</b>	<b>2803</b>	<b>33473</b>	<b>12675</b>	<b>5105</b>	<b>15452</b>	<b>1E+05</b>	<b>28463</b>	<b>16168</b>	<b>30967</b>	<b>1E+05</b>	<b>26364</b>	<b>16198</b>	<b>29327</b>	<b>3E+05</b>	<b>70417</b>	<b>38536</b>	<b>78549</b>					
<b>MINISTRY OF COMMERCE &amp; INDUSTRY</b>																										
<b>D/O COMMERCE</b>																										
43	E. C. G. C. LTD.	246	40	14	36	325	58	24	65	0	0	0	0	32	10	3	1	603	108	41	102					
44	INDIA TRADE PROMOTION ORGANISATION	153	29	5	13	70	14	4	1	224	46	5	17	345	117	3	10	792	206	17	41					
45	KARNATAKA TRADE PROMOTION ORGANISATION	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1					
46	M.M.T.C. LTD.	481	94	38	35	704	153	74	50	17	0	0	17	23	9	0	13	1225	256	112	115					
47	P.E.C. LTD.	113	21	6	17	13	4	1	2	0	0	0	0	4	2	1	0	130	27	8	19					
48	STATE TRADING CORPN. OF INDIA LTD.	464	109	27	42	0	0	0	0	144	31	15	10	63	29	6	4	671	169	48	56					
49	STCL LTD.	6	0	0	0	4	0	0	0	2	0	0	0	1	0	0	0	13	0	0	0					

S.N.	Ministry / Deptt. / CPSE	Group A Managerial/ Executives Level					Group B Supervisory Level					Group C Workers (Skilled)					Group D Workers (Un-Skilled)					Total Employees					
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs		
50	TAMILNADU TRADE PROMOTION ORGANISATION	6	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
<b>SUB TOTAL:</b>		<b>1470</b>	<b>294</b>	<b>90</b>	<b>148</b>	<b>1116</b>	<b>229</b>	<b>103</b>	<b>118</b>	<b>387</b>	<b>77</b>	<b>20</b>	<b>44</b>	<b>468</b>	<b>167</b>	<b>13</b>	<b>28</b>	<b>3441</b>	<b>767</b>	<b>226</b>	<b>338</b>	<b>767</b>	<b>226</b>	<b>338</b>	<b>338</b>		
<b>MINISTRY OF COMMERCE &amp; INDUSTRY</b>																											
<b>D/O INDUSTRIAL POLICY &amp; PROMOTION</b>																											
51	JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	12	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>SUB TOTAL:</b>		<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>MINISTRY OF COMMUNICATION</b>																											
<b>D/O TELECOMMUNICATIONS</b>																											
52	BHARAT BROADBAND NETWORK LTD.	118	11	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
53	BHARAT SANCHAR NIGAM LTD.	45354	7652	2395	6802	0	0	0	0	151094	28842	8173	14108	0	0	0	0	0	0	0	0	0	0	0	196448	20910	
54	ITI LTD.	2546	396	39	246	0	0	0	0	1506	274	8	202	0	0	0	0	0	0	0	0	0	0	0	4052	448	
55	MAHANAGAR TELEPHONE NIGAM LTD.	3925	579	130	119	0	0	0	0	16366	2636	284	65	7628	1915	552	5	27919	5130	966	189	966	189	189	189		
56	MILLENNIUM TELECOM LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
57	TCL BINA TOLL ROAD LTD.	2	0	0	0	5	0	0	0	0	0	0	0	25	0	0	0	32	0	0	0	0	0	0	0		
58	TCL LAKHNADONE TOLL ROAD LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
59	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	400	57	19	56	214	35	1	29	240	36	2	55	0	0	0	0	854	128	22	140	22	140	140	140		
<b>SUB TOTAL:</b>		<b>52345</b>	<b>8695</b>	<b>2587</b>	<b>7230</b>	<b>219</b>	<b>35</b>	<b>1</b>	<b>29</b>	<b>2E+05</b>	<b>31788</b>	<b>8467</b>	<b>14430</b>	<b>7653</b>	<b>1915</b>	<b>552</b>	<b>5</b>	<b>2E+05</b>	<b>42433</b>	<b>11607</b>	<b>21694</b>	<b>11607</b>	<b>21694</b>	<b>21694</b>	<b>21694</b>		
<b>MINISTRY OF COMMUNICATION</b>																											
<b>D/O POST</b>																											
60	INDIA POST PAYMENT BANK LTD	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

S.N.	Ministry / Deptt. / CPSE	Group A Managerial/ Executives Level				Group B Supervisory Level				Group C Workers (Skilled)				Group D Workers (Un-Skilled)				Total Employees																									
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs																						
<b>SUB TOTAL :</b>																						3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0		
<b>MINISTRY OF CONSUMER AFFAIRS, FOOD &amp; PUBLIC DISTRIBUTION</b>																																											
<b>D/O FOOD &amp; PUBLIC DISTRIBUTION</b>																																											
61	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	49	6	2	11	0	0	0	0	0	0	0	0	0	0	0	0	0	49	6	2																						
62	CENTRAL WAREHOUSING CORPN.	266	44	13	30	1804	188	51	18	1028	346	104	187	541	200	40	64	3639	778	208																							
63	FOOD CORPN. OF INDIA	5421	1128	817	568	15251	3183	1400	4055	2970	958	389	215	0	0	0	0	23642	5269	2606																							
<b>SUB TOTAL :</b>																						5736	1178	832	609	17055	3371	1451	4073	3998	1304	493	402	541	200	40	64	27330	6053	2816			
<b>MINISTRY OF DEFENCE</b>																																											
<b>D/O DEFENCE PRODUCTION</b>																																											
64	BEL OPTRONICS DEVICES LTD.	32	1	0	8	0	0	0	0	95	11	1	37	0	0	0	0	127	12	1																							
65	BEL-THALES SYSTEMS LTD.	9	0	1	2	3	2	0	0	0	0	0	0	0	0	0	0	12	2	1																							
66	BEML LTD.	2247	399	117	507	3059	459	73	481	2709	820	206	499	206	84	9	14	8221	1762	405																							
67	BHARAT DYNAMICS LTD.	893	152	88	153	0	0	0	0	2011	366	112	579	278	74	19	107	3182	592	219																							
68	BHARAT ELECTRONICS LTD.	5472	1007	332	1202	183	18	1	18	3835	684	141	853	226	42	23	33	9716	1751	497																							
69	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	504	92	27	110	131	27	9	21	1360	293	49	89	406	119	20	44	2401	531	105																							
70	GOA SHIPYARD LTD.	245	30	19	53	202	12	8	21	727	38	44	109	216	27	15	18	1390	107	86																							
71	HINDUSTAN AERONAUTICS LTD.	9054	1607	544	2101	0	0	0	0	20454	3557	1486	5152	18	5	0	6	29526	5169	2030																							
72	HINDUSTAN SHIPYARD LTD.	358	76	35	87	383	65	50	47	603	122	42	131	8	5	0	0	1352	268	127																							
73	MAZAGON DOCK SHIPBUILDERS LTD.	1078	197	64	277	512	72	27	100	3490	822	474	1965	3	0	0	0	5083	1091	565																							
74	MISHRA DHATU NIGAM LTD.	232	39	10	47	77	11	3	20	246	46	26	91	201	44	19	88	756	140	58																							

S.N.	Ministry / Deptt. / CPSE	Group A Managerial/ Executives Level					Group B Supervisory Level					Group C Workers (Skilled)					Group D Workers (Un-Skilled)					Total Employees					
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs		
75	VIGNYAN INDUSTRIES LTD.	14	1	1	4	0	0	0	0	0	0	0	47	2	2	0	29	25	4	2	8	86	7	3	41		
<b>SUB TOTAL:</b>		<b>20138</b>	<b>3601</b>	<b>1238</b>	<b>4551</b>	<b>4550</b>	<b>666</b>	<b>171</b>	<b>708</b>	<b>35577</b>	<b>6761</b>	<b>2581</b>	<b>9534</b>	<b>1587</b>	<b>404</b>	<b>107</b>	<b>318</b>	<b>61852</b>	<b>11432</b>	<b>4097</b>	<b>15111</b>						
<b>MINISTRY OF DEVELOPMENT OF NORTH EASTERN REGION</b>																											
76	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV. CORPN. LTD.	12	0	2	0	12	2	4	1	40	3	8	9	0	0	0	0	64	5	14	10						
77	NORTH EASTERN REGIONAL AGR. MARKETING CORP. LTD.	8	0	0	0	0	0	0	0	12	3	2	2	30	5	8	1	50	8	10	3						
<b>SUB TOTAL:</b>		<b>20</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>12</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>52</b>	<b>6</b>	<b>10</b>	<b>11</b>	<b>30</b>	<b>5</b>	<b>8</b>	<b>1</b>	<b>114</b>	<b>13</b>	<b>24</b>	<b>13</b>						
<b>MINISTRY OF ELECTRONIC &amp; INFORMATION TECHNOLOGY</b>																											
78	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>SUB TOTAL:</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>MINISTRY OF ENVIRONMENT, FORESTS CLIMATE CHANGE</b>																											
79	ANDAMAN & NICOBAR ISL. FOREST & PLANT DEV. CORP. LTD.	6	0	0	0	218	0	17	0	705	0	2	0	0	0	0	0	929	0	19	0						
<b>SUB TOTAL:</b>		<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>218</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>705</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>929</b>	<b>0</b>	<b>19</b>	<b>0</b>						
<b>MINISTRY OF FINANCE</b>																											
<b>D/O FINANCIAL SERVICES</b>																											
80	IIFCL ASSET MANAGEMENT COMPANY LTD.	6	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	6	0	0	2						
81	IIFCL PROJECTS LTD.	15	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	2						





S.N.	Ministry / Deptt. / CPSE	Group A Managerial/ Executives Level						Group B Supervisory Level						Group C Workers (Skilled)						Group D Workers (Un-Skilled)						Total Employees					
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs		
94	BRIDGE & ROOF CO.(INDIA) LTD.	714	114	6	52	366	22	1	11	223	21	4	9	9	8	0	0	1312	165	11	72										
95	CEMENT CORPN. OF INDIA LTD.	165	21	3	18	204	30	14	32	210	38	25	37	89	13	27	19	668	102	69	106										
96	ENGINEERING PROJECTS (INDIA) LTD.	313	56	10	47	36	5	0	7	17	4	0	7	3	0	0	1	369	65	10	62										
97	HEAVY ENGINEERING CORPN. LTD.	735	170	86	105	106	47	11	2	550	81	185	118	65	10	27	0	1456	308	309	225										
98	HINDUSTAN CABLES LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
99	HINDUSTAN NEWSPRINT LTD.	103	5	0	22	34	3	0	5	244	18	1	70	114	17	0	59	495	43	1	156										
100	HINDUSTAN PAPER CORPORATION LTD.	302	27	27	116	132	12	12	8	1321	155	155	0	85	13	13	0	1840	207	207	124										
101	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	6	1	1	0	48	13	2	34	84	21	5	28	32	22	0	8	170	57	8	70										
102	HINDUSTAN SALTS LTD.	17	1	0	1	19	4	0	1	36	5	2	7	0	0	0	0	72	10	2	9										
103	HMT (INTERNATIONAL) LTD.	17	2	1	0	9	0	0	0	1	0	0	0	1	0	0	0	28	2	1	0										
104	HMT BEARINGS LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
105	HMT CHINAR WATCHES LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
106	HMT LTD.	34	6	0	2	12	3	1	4	222	1	1	29	0	0	0	0	268	10	2	35										
107	HMT MACHINE TOOLS LTD.	427	44	10	53	87	30	4	31	1137	232	61	388	0	0	0	0	1651	306	75	472										
108	HMT WATCHES LTD.	0	0	0	0	0	0	0	0	146	0	0	0	0	0	0	0	146	0	0	0										
109	HOOGLY PRINTING COMPANY LTD.	10	0	0	0	6	0	0	0	24	0	0	0	9	2	0	0	49	2	0	0										
110	INSTRUMENTATION LTD.	157	26	8	22	328	60	17	64	158	27	6	59	69	19	1	24	712	132	32	169										

S.N.	Ministry / Deptt. / CPSE	Group A Managerial/ Executives Level					Group B Supervisory Level					Group C Workers (Skilled)					Group D Workers (Un-Skilled)					Total Employees			
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs
111	NAGALAND PULP & PAPER COMPANY LTD.	66	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	NEPA LTD.	196	10	4	27	0	0	0	0	392	36	9	31	0	0	0	0	0	0	0	588	46	13	58	
113	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	73	7	3	16	81	20	1	12	60	12	4	17	25	8	1	10	239	47	9	55				
114	RICHARDSON & CRUDDAS(1972) LTD.	4	0	0	0	4	1	0	0	3	0	0	0	0	0	0	0	0	0	0	11	1	0	0	
115	SAMBHAR SALTS LTD.	13	2	1	1	22	2	1	3	34	4	4	15	41	12	1	27	110	20	7	46				
116	SCOOTERS INDIA LTD.	86	17	1	15	20	0	0	1	144	57	0	66	10	0	0	0	260	74	1	82				
117	TUNGABHADRA STEEL PRODUCTS LTD.	5	0	0	3	14	2	0	4	56	19	2	17	0	0	0	0	75	21	2	24				
<b>SUB TOTAL :</b>		<b>15417</b>	<b>2563</b>	<b>1052</b>	<b>3170</b>	<b>9807</b>	<b>1758</b>	<b>593</b>	<b>2280</b>	<b>25675</b>	<b>5084</b>	<b>1741</b>	<b>8708</b>	<b>15427</b>	<b>2658</b>	<b>4108</b>	<b>7081</b>	<b>66326</b>	<b>12063</b>	<b>7494</b>	<b>21239</b>				
<b>MINISTRY OF HOME AFFAIRS</b>																									
118	DELHI POLICE HOUSING CORPORATION LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>MINISTRY OF HOUSING &amp; URBAN AFFAIRS</b>																									
119	HINDUSTAN PREFAB LTD.	34	7	0	0	60	14	4	4	140	55	5	2	13	6	0	1	247	82	9	7				
120	HOUSING & URBAN DEV. CORPN. LTD.	618	106	24	60	72	13	11	11	74	13	5	12	111	33	15	7	875	165	55	90				
121	NBCC (INDIA) LTD.	460	85	12	40	831	149	31	113	660	107	3	35	0	0	0	0	1951	341	46	188				
122	NBCC ENGINEERING AND CONSULTANCY LTD.	22	4	1	0	0	0	0	0	2	0	0	0	0	0	0	0	24	4	1	0				
123	NBCC SERVICES LTD.	14	4	0	0	13	1	1	1	57	8	0	0	0	0	0	0	84	13	1	1				
<b>SUB TOTAL :</b>		<b>1148</b>	<b>206</b>	<b>37</b>	<b>100</b>	<b>976</b>	<b>177</b>	<b>47</b>	<b>129</b>	<b>933</b>	<b>183</b>	<b>13</b>	<b>49</b>	<b>124</b>	<b>39</b>	<b>15</b>	<b>8</b>	<b>3181</b>	<b>605</b>	<b>112</b>	<b>286</b>				
<b>MINISTRY OF HUMAN RESOURCE DEVELOPMENT</b>																									

S.N.	Ministry / Deptt. / CPSE	Group A Managerial/ Executives Level					Group B Supervisory Level					Group C Workers (Skilled)					Group D Workers (Un-Skilled)					Total Employees						
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs			
<b>D/O HIGHER EDUCATION</b>																												
124	EdCIL (India) Ltd.	57	10	3	13	19	5	0	2	20	8	1	2	0	0	0	0	0	0	0	0	0	0	0	96	23	4	17
<b>SUB TOTAL :</b>		<b>57</b>	<b>10</b>	<b>3</b>	<b>13</b>	<b>19</b>	<b>5</b>	<b>0</b>	<b>2</b>	<b>20</b>	<b>8</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>96</b>	<b>23</b>	<b>4</b>	<b>17</b>
<b>MINISTRY OF INFORMATION &amp; BROADCASTING</b>																												
125	BROADCAST ENGG. CONSULTANTS INDIA LTD.	38	7	1	3	21	8	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	15	1	5
126	NATIONAL FILM DEV. CORPN. LTD.	25	6	1	2	13	1	0	1	9	2	0	3	45	14	0	11	92	23	1	17							
<b>SUB TOTAL :</b>		<b>63</b>	<b>13</b>	<b>2</b>	<b>5</b>	<b>34</b>	<b>9</b>	<b>0</b>	<b>3</b>	<b>9</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>45</b>	<b>14</b>	<b>0</b>	<b>11</b>	<b>151</b>	<b>38</b>	<b>2</b>	<b>22</b>							
<b>MINISTRY OF MICRO SMALL &amp; MEDIUM ENTERPRISES</b>																												
127	NATIONAL SMALL INDUSTRIES CORPN. LTD.	485	80	15	89	158	21	3	21	125	25	1	19	62	22	0	9	830	148	19	138							
<b>SUB TOTAL :</b>		<b>485</b>	<b>80</b>	<b>15</b>	<b>89</b>	<b>158</b>	<b>21</b>	<b>3</b>	<b>21</b>	<b>125</b>	<b>25</b>	<b>1</b>	<b>19</b>	<b>62</b>	<b>22</b>	<b>0</b>	<b>9</b>	<b>830</b>	<b>148</b>	<b>19</b>	<b>138</b>							
<b>MINISTRY OF MINES</b>																												
128	HINDUSTAN COPPER LTD.	538	76	19	72	53	6	5	13	1647	259	290	229	605	147	71	23	2843	488	385	337							
129	MINERAL EXPLORATION CORPN. LTD.	316	46	17	63	233	45	19	45	666	109	48	98	0	0	0	0	1215	200	84	206							
130	NATIONAL ALUMINIUM COMPANY LTD.	1807	249	136	205	754	141	131	50	3736	637	856	470	641	102	155	78	6938	1129	1278	803							
<b>SUB TOTAL :</b>		<b>2661</b>	<b>371</b>	<b>172</b>	<b>340</b>	<b>1040</b>	<b>192</b>	<b>155</b>	<b>108</b>	<b>6049</b>	<b>1005</b>	<b>1194</b>	<b>797</b>	<b>1246</b>	<b>249</b>	<b>226</b>	<b>101</b>	<b>10996</b>	<b>1817</b>	<b>1747</b>	<b>1346</b>							
<b>MINISTRY OF MINORITIES AFFAIRS</b>																												
131	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	12	2	1	0	4	0	0	2	3	2	0	3	14	7	0	3	33	11	1	8							

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		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs
<b>SUB TOTAL :</b>		12	2	1	0	4	0	0	2	3	2	0	3	14	7	0	3	33	11	1	8			
<b>MINISTRY OF NEW AND RENEWABLE ENERGY</b>																								
132	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	125	20	8	20	7	2	0	0	1	0	0	0	19	5	1	3	152	27	9	23			
133	SOLAR ENERGY CORPORATION OF INDIA	63	3	2	9	8	2	0	0	0	0	0	0	0	0	0	0	71	5	2	9			
<b>SUB TOTAL :</b>		188	23	10	29	15	4	0	0	1	0	0	0	19	5	1	3	223	32	11	32			
<b>MINISTRY OF PETROLEUM &amp; NATURAL GAS</b>																								
134	BALMER LAWRIE & CO. LTD.	488	43	6	51	222	31	0	34	88	3	0	20	390	52	5	81	1188	129	11	186			
135	BALMER LAWRIE INVESTMENTS LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
136	BHARAT PETRO RESOURCES LTD.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0			
137	BHARAT PETROLEUM CORPN. LTD.	5928	932	367	920	0	0	0	0	4832	708	276	676	1724	323	131	264	12484	1963	774	1860			
138	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	68	11	0	16	3	0	0	1	0	0	0	0	0	0	0	0	71	11	0	17			
139	CHENNAI PETROLEUM CORPORATION LTD.	805	197	27	105	0	0	0	0	840	195	11	332	0	0	0	0	1645	392	38	437			
140	CREDA HPCL BIOFUEL LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
141	ENGINEERS INDIA LTD.	964	188	46	46	1739	298	74	361	233	69	12	30	3	3	0	0	2939	558	132	437			
142	GAIL (INDIA) LTD.	3466	571	249	620	225	28	14	67	603	102	22	188	61	17	6	16	4355	718	291	891			
143	GAIL GAS LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
144	HINDUSTAN PETROLEUM CORPN. LTD.	5858	1003	466	962	0	0	0	0	3635	701	334	124	929	249	107	16	10422	1953	907	1102			

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145	HPCL BIOFUELS LTD.	36	1	0	7	99	14	1	37	609	66	7	243	0	0	0	0	0	0	0	0	0	0	0	744	81	8	287			
146	INDIAN OIL CORPORATION LTD.	16545	2736	1203	3166	5884	985	610	290	9917	1928	722	2176	789	199	71	58	33135	5848	2606	5690										
147	INDIAN OIL-CREDA BIOFUELS LTD.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0				
148	MANGALORE REFINERY & PETROCHEMICALS LTD.	821	59	19	175	99	1	0	37	986	127	46	363	11	0	0	5	1917	187	65	580										
149	NUMALIGARH REFINERY LTD.	429	52	31	104	0	0	0	0	437	37	62	139	4	0	0	0	870	89	93	243										
150	OIL & NATURAL GAS CORPORATION LTD.	21996	3571	1889	3075	1997	252	319	232	7213	875	882	2614	2454	404	244	466	33660	5102	3334	6387										
151	OIL INDIA LTD.	1506	205	133	344	1140	67	119	308	2985	234	404	945	1597	183	216	531	7228	689	872	2128										
152	ONGC MANGALORE PETROCHEMICALS LTD.	159	5	0	21	0	0	0	0	253	1	0	107	45	1	1	22	457	7	1	150										
153	ONGC VIDESH LTD.	1675	44	17	39	0	0	0	0	588	0	0	2	0	0	0	0	2263	44	17	41										
154	PETRONET CCK LTD.	29	1	0	14	0	0	0	0	14	3	0	6	0	0	0	0	43	4	0	20										
155	PRIZE PETROLEUM COMPANY LTD.	3	0	0	0	17	0	0	4	0	0	0	0	0	0	0	0	20	0	0	4										
<b>SUB TOTAL :</b>		<b>60779</b>	<b>9619</b>	<b>4453</b>	<b>9665</b>	<b>11425</b>	<b>1676</b>	<b>1137</b>	<b>1371</b>	<b>33233</b>	<b>5049</b>	<b>2778</b>	<b>7965</b>	<b>8007</b>	<b>1431</b>	<b>781</b>	<b>1459</b>	<b>1E+05</b>	<b>17775</b>	<b>9149</b>	<b>20460</b>										
<b>MINISTRY OF POWER</b>																															
156	BHARTIYA RAIL BIJLEE CO. LTD.	173	25	9	40	0	0	0	0	0	0	0	0	0	0	0	0	173	25	9	40										
157	KANTI BIJLEE UTPADAN NIGAM LTD.	181	30	10	44	0	0	0	0	11	1	0	1	0	0	0	0	192	31	10	45										
158	NHDC LTD.	297	36	11	65	34	5	2	6	101	12	11	26	115	32	17	32	547	85	41	129										
159	NHPC LTD.	3834	583	260	770	193	28	6	20	2722	278	112	154	1260	231	103	69	8009	1120	481	1013										
160	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	946	95	199	166	336	14	106	56	966	67	384	152	56	0	51	12	2304	176	740	386										

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161	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	NTPC LTD.	11636	1789	679	2369	138	93	73	50	8457	1212	568	1182	362	185	103	127	20593	3279	1423	3728				
163	NTPC VIDYUT VYAPAR NIGAM LTD.	42	4	1	2	0	0	0	0	1	0	0	0	0	0	0	0	43	4	1	2				
164	PATRATU VIDYUT UTPADAN NIGAM LTD.	51	6	10	7	0	1	0	24	33	0	0	0	0	0	0	0	84	7	10	31				
165	PFC CAPITAL ADVISORY SERVICE LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	PFC CONSULTING LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	PFC GREEN ENERGY LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	POWER FINANCE CORPORATION LTD.	385	67	20	68	87	14	7	12	22	4	2	3	2	2	0	0	496	85	29	83				
169	POWER GRID CORPORATION OF INDIA LTD.	3986	547	223	828	2456	350	225	673	2372	337	230	545	73	16	6	22	8887	1250	684	2068				
170	POWER GRID WARORA TRANSMISSION LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	POWER SYSTEM OPERATION CORPORATION LTD.	346	54	14	73	41	5	1	8	69	12	2	5	0	0	0	0	456	71	17	86				
172	POWERGRID NM TRANSMISSION LTD.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0				
173	POWERGRID UNCHAHAR TRANSMISSION LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
174	POWERGRID VIZAG TRANSMISSION LTD.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0				
175	REC POWER DISTRIBUTION CO. LTD.	31	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	31	3	0	3				
176	REC TRANSMISSION PROJECTS CO. LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

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177	RURAL ELECTRIFICATION CORPN.LTD.	441	45	16	64	0	0	0	0	55	9	0	2	70	21	2	3	566	75	18	69										
178	SJVN LTD.	788	101	49	112	288	69	8	27	544	138	35	35	71	7	5	1	1691	315	97	175										
179	THDC INDIA LTD.	830	93	19	65	82	3	0	4	709	95	6	50	315	79	1	29	1936	270	26	148										
<b>SUB TOTAL :</b>		<b>23973</b>	<b>3478</b>	<b>1520</b>	<b>4676</b>	<b>3655</b>	<b>582</b>	<b>428</b>	<b>880</b>	<b>16062</b>	<b>2165</b>	<b>1350</b>	<b>2155</b>	<b>2324</b>	<b>571</b>	<b>288</b>	<b>295</b>	<b>46014</b>	<b>6796</b>	<b>3586</b>	<b>8006</b>										
<b>MINISTRY OF RAILWAYS</b>																															
180	BHARAT WAGON & ENGG. CO.LTD.	18	0	0	2	41	10	0	17	538	37	0	172	3	0	0	3	600	47	0	194										
181	BRAITHWAITE & CO. LTD.	46	0	1	2	37	3	0	0	197	30	0	0	0	0	0	0	280	33	1	2										
182	BURN STANDARD COMPANY LTD.	46	2	0	1	86	8	1	1	393	28	2	1	0	0	0	0	525	38	3	3										
183	CONCOR AIR LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
184	CONTAINER CORPORATION OF INDIA LTD.	302	39	5	54	219	34	10	45	950	139	56	256	0	0	0	0	1471	212	71	355										
185	FRESH & HEALTHY ENTERPRISES LTD.	8	0	0	0	0	0	0	0	3	1	0	1	12	1	0	2	23	2	0	3										
186	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	306	46	10	45	516	96	28	107	658	128	35	188	0	0	0	0	1480	270	73	340										
187	INDIAN RAILWAY FINANCE CORPORATION LTD.	7	0	0	0	0	0	0	0	8	3	0	1	3	3	0	0	18	6	0	1										
188	INDIAN RAILWAY STATIONS DEVT. CORPORATION LTD.	12	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	14	0	0	1										
189	IRCON INFRASTRUCTURE & SERVICES LTD.	7	2	0	0	5	0	1	1	0	0	0	0	0	0	0	0	12	2	1	1										
190	IRCON INTERNATIONAL LTD.	698	89	25	123	202	62	16	92	283	38	11	46	0	0	0	0	1183	189	52	261										
191	IRCON PB TOLLWAY LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										



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192	IRCON SHIVPURI GUNA TOLLWAY LTD.	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
193	KONKAN RAILWAY CORPORATION LTD.	213	30	8	42	1153	129	70	258	3009	537	28	1574	787	70	195	196	5162	766	301	2070	766	301	2070			
194	MUMBAI RAILWAY VIKAS CORPORATION LTD.	76	13	2	5	132	8	2	15	10	4	0	0	16	0	0	0	234	25	4	20	25	4	20			
195	RAIL VIKAS NIGAM LTD.	470	29	10	31	0	0	0	0	5	1	0	1	27	2	1	3	502	32	11	35	32	11	35			
196	RAILTEL CORPORATION INDIA LTD.	539	98	28	190	5	3	0	4	9	2	0	3	0	0	0	0	553	103	28	197	103	28	197			
197	RAILTEL ENTERPRISES LTD.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0			
198	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
199	RITES INFRASTRUCTURE SERVICES LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
200	RITES LTD.	1609	197	62	248	252	27	11	36	253	42	17	32	212	42	7	17	2326	308	97	333	308	97	333			
201	SIDCUL CONCOR INFRA COMPANY LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
<b>SUB TOTAL :</b>		<b>4359</b>	<b>545</b>	<b>151</b>	<b>744</b>	<b>2650</b>	<b>380</b>	<b>139</b>	<b>578</b>	<b>6316</b>	<b>990</b>	<b>149</b>	<b>2275</b>	<b>1060</b>	<b>118</b>	<b>203</b>	<b>221</b>	<b>14385</b>	<b>2033</b>	<b>642</b>	<b>3818</b>	<b>2033</b>	<b>642</b>	<b>3818</b>			
<b>MINISTRY OF ROAD TRANSPORT AND HIGHWAYS</b>																											
202	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<b>SUB TOTAL :</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
<b>MINISTRY OF SCIENCE &amp; TECHNOLOGY</b>																											
<b>DEPT. OF BIOTECHNOLOGY</b>																											
203	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	63	13	2	3	18	19	0	0	11	0	2	0	20	0	0	6	112	32	4	9	32	4	9			

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204	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL.	30	1	0	0	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	5		
205	INDIAN VACCINE CORP. LTD.	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<b>SUB TOTAL :</b>		<b>94</b>	<b>14</b>	<b>2</b>	<b>6</b>	<b>19</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>2</b>	<b>2</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>153</b>	<b>33</b>	<b>4</b>	<b>14</b>						
<b>MINISTRY OF SCIENCE &amp; TECHNOLOGY</b>																											
<b>DEPT. OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH</b>																											
206	CENTRAL ELECTRONICS LTD.	189	26	0	17	0	0	0	0	258	78	1	39	7	3	0	1	454	107	1	57						
207	NATIONAL RESEARCH DEVELOPMENT CORPN.	37	7	1	2	9	0	0	0	10	5	0	0	14	7	0	0	70	19	1	2						
<b>SUB TOTAL :</b>		<b>226</b>	<b>33</b>	<b>1</b>	<b>19</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>268</b>	<b>83</b>	<b>1</b>	<b>39</b>	<b>21</b>	<b>10</b>	<b>0</b>	<b>1</b>	<b>524</b>	<b>126</b>	<b>2</b>	<b>59</b>						
<b>MINISTRY OF SHIPPING</b>																											
208	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
209	COCHIN SHIPYARD LTD.	313	46	15	70	181	28	11	14	1335	178	16	571	0	0	0	0	1829	252	42	655						
210	DREDGING CORPN. OF INDIA LTD.	313	54	23	73	9	2	0	4	140	22	7	40	46	8	1	3	508	86	31	120						
211	HOOGHLY DOCK AND PORT ENGINEERS LTD.	1	0	0	0	3	0	0	0	21	2	1	0	20	3	0	0	45	5	1	0						
212	KAMARAJAR PORT LTD.	63	10	3	29	0	0	0	0	40	11	1	22	0	0	0	0	103	21	4	51						
213	SHIPPING CORPORATION OF INDIA LTD.	672	132	52	100	103	33	5	3	0	0	0	0	0	0	0	0	775	165	57	103						
<b>SUB TOTAL :</b>		<b>1362</b>	<b>242</b>	<b>93</b>	<b>272</b>	<b>296</b>	<b>63</b>	<b>16</b>	<b>21</b>	<b>1536</b>	<b>213</b>	<b>25</b>	<b>633</b>	<b>66</b>	<b>11</b>	<b>1</b>	<b>3</b>	<b>3260</b>	<b>529</b>	<b>135</b>	<b>929</b>						
<b>MINISTRY OF SOCIAL JUSTICE &amp; EMPOWERMENT</b>																											
<b>DEPT. OF EMPOWERMENT OF PERSONS WITH DISABILITY</b>																											
214	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	112	12	0	23	0	0	0	0	179	46	2	41	9	2	0	0	300	60	2	64						

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215	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	14	2	0	4	1	0	0	0	16	2	1	5	5	1	0	1	36	5	1	10					
<b>SUB TOTAL :</b>		<b>126</b>	<b>14</b>	<b>0</b>	<b>27</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>195</b>	<b>48</b>	<b>3</b>	<b>46</b>	<b>14</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>336</b>	<b>65</b>	<b>3</b>	<b>74</b>						
<b>MINISTRY OF SOCIAL JUSTICE &amp; EMPOWERMENT</b>																										
<b>DEPT. OF SOCIAL JUSTICE &amp; EMPOWERMENT</b>																										
216	NATIONAL BACKWARD CLASSES FINANCE & DEVPT. CORPN.	10	1	0	2	7	2	0	1	29	6	0	9	0	0	0	46	9	0	12						
217	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN.	10	2	0	1	0	0	0	10	0	0	0	3	0	0	0	23	2	0	1						
218	NATIONAL SCHEDULED CASTES FINANCE & DEVPT. CORPN.	37	10	1	5	9	3	2	2	18	9	1	4	12	9	0	76	31	4	13						
<b>SUB TOTAL :</b>		<b>57</b>	<b>13</b>	<b>1</b>	<b>8</b>	<b>16</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>57</b>	<b>15</b>	<b>1</b>	<b>13</b>	<b>15</b>	<b>9</b>	<b>0</b>	<b>145</b>	<b>42</b>	<b>4</b>	<b>26</b>						
<b>MINISTRY OF STEEL</b>																										
219	EASTERN INVESTMENT LTD.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0						
220	FERRO SCRAP NIGAM LTD.	145	13	3	25	0	0	95	0	691	147	0	98	3	3	0	839	163	98	123						
221	HINDUSTAN STEELWORKS COSTN. LTD.	27	2	0	4	2	0	0	0	6	2	0	1	2	0	1	37	4	0	6						
222	J & K MINERAL DEVELOPMENT CORPN. LTD.	2	0	0	0	0	0	0	0	2	0	0	0	2	0	0	6	0	0	0						
223	KIOCL LTD.	254	44	12	15	49	4	2	3	578	86	30	68	41	7	6	922	141	50	90						
224	M S T C LTD.	188	28	13	42	121	28	4	19	0	0	0	0	0	0	0	309	56	17	61						
225	MECON LTD.	1223	233	74	146	161	26	64	23	0	0	0	0	0	0	0	1384	259	138	169						
226	MOIL LTD.	352	58	15	69	124	34	9	51	1298	305	191	413	4427	856	1382	6201	1253	1597	2107						
227	NMDC Ltd.	1483	258	102	288	181	26	18	32	3410	620	909	634	498	52	166	5572	956	1195	1002						

S.N.	Ministry / Deptt. / CPSE	Group A Managerial/ Executives Level					Group B Supervisory Level					Group C Workers (Skilled)					Group D Workers (Un-Skilled)					Total Employees					
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs		
228	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	80	7	2	18	40	5	9	8	148	13	18	9	182	36	131	62	450	61	160	97						
229	RASHTRIYA ISPAT NIGAM LTD.	5865	1035	431	896	169	2	24	9	9842	1631	740	1347	1962	301	126	206	17838	2969	1321	2458						
230	SAIL REFRACTORY COMPANY LTD.	20	4	0	10	0	0	0	0	181	46	5	130	3	0	0	3	204	50	5	143						
231	STEEL AUTHORITY OF INDIA LTD.	12840	2022	868	1758	0	0	0	0	70124	11664	11301	8769	0	0	0	0	82964	13686	12169	10527						
232	THE BISRA STONE LIME COMPANY LTD.	27	2	1	1	51	9	10	9	129	36	65	10	517	138	284	36	724	185	360	56						
<b>SUB TOTAL :</b>		<b>22508</b>	<b>3706</b>	<b>1521</b>	<b>3272</b>	<b>898</b>	<b>134</b>	<b>235</b>	<b>154</b>	<b>86409</b>	<b>14550</b>	<b>13259</b>	<b>11479</b>	<b>7637</b>	<b>1393</b>	<b>2095</b>	<b>1934</b>	<b>1E+05</b>	<b>19783</b>	<b>17110</b>	<b>16839</b>						
<b>MINISTRY OF TEXTILES</b>																											
233	BIRDS JUTE & EXPORTS LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
234	BRITISH INDIA CORPORATION LTD.	75	1	0	6	309	2	0	37	666	165	0	35	159	77	0	23	1209	245	0	101						
235	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	164	22	1	10	6	0	0	1	10	3	0	1	97	35	0	6	277	60	1	18						
236	COTTON CORPN. OF INDIA LTD.	95	10	3	8	744	158	31	157	0	0	0	0	0	0	0	0	839	168	34	165						
237	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	19	3	2	4	35	4	4	9	31	5	0	8	20	7	2	4	105	19	8	25						
238	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	81	11	5	7	34	2	0	8	68	5	3	12	25	5	0	1	208	23	8	28						
239	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
240	NATIONAL TEXTILE CORPN. LTD.	445	86	4	101	268	47	1	92	6029	1132	56	2699	1006	153	16	174	7748	1418	77	3066						
241	THE JUTE CORPN. OF INDIA LTD.	4	0	0	0	128	19	11	8	107	14	4	10	123	23	8	11	362	56	23	29						
<b>SUB TOTAL :</b>		<b>883</b>	<b>133</b>	<b>15</b>	<b>136</b>	<b>1524</b>	<b>232</b>	<b>47</b>	<b>312</b>	<b>6911</b>	<b>1324</b>	<b>63</b>	<b>2765</b>	<b>1430</b>	<b>300</b>	<b>26</b>	<b>219</b>	<b>10748</b>	<b>1989</b>	<b>151</b>	<b>3432</b>						

S.N.	Ministry / Deptt. / CPSE	Group A Managerial/ Executives Level					Group B Supervisory Level					Group C Workers (Skilled)					Group D Workers (Un-Skilled)					Total Employees				
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	
<b>MINISTRY OF TOURISM</b>																										
242	ASSAM ASHOK HOTEL CORPN. LTD.	5	1	1	0	7	0	0	0	44	4	7	2	7	1	0	0	63	6	8	2					
243	DONYI POLO ASHOK HOTEL LTD.	3	0	0	0	3	0	0	0	20	2	0	0	0	2	6	0	26	4	6	0					
244	INDIA TOURISM DEV. CORPN. LTD.	223	37	4	23	65	15	1	3	795	232	19	30	149	81	4	9	1232	365	28	65					
245	KUMARAKRUPPA FRONTIER HOTELS LTD.	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	0					
246	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	2	0	0	0	8	0	0	0	47	9	2	4	0	0	0	0	57	9	2	4					
247	PONDICHERRY ASHOK HOTEL CORPN. LTD.	1	0	0	1	6	2	1	3	9	2	0	7	0	0	0	0	16	4	1	11					
248	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	1	1	0	0	2	0	0	0	23	2	2	6	11	3	2	4	37	6	4	10					
249	UTKAL ASHOK HOTEL CORPN. LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
<b>SUB TOTAL :</b>		<b>237</b>	<b>39</b>	<b>5</b>	<b>24</b>	<b>91</b>	<b>17</b>	<b>2</b>	<b>6</b>	<b>939</b>	<b>251</b>	<b>30</b>	<b>49</b>	<b>167</b>	<b>87</b>	<b>12</b>	<b>13</b>	<b>1434</b>	<b>394</b>	<b>49</b>	<b>92</b>					
<b>MINISTRY OF TRIBAL AFFAIRS</b>																										
250	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	27	4	7	2	6	1	1	1	21	8	2	5	0	0	0	0	54	13	10	8					
<b>SUB TOTAL :</b>		<b>27</b>	<b>4</b>	<b>7</b>	<b>2</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>21</b>	<b>8</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>13</b>	<b>10</b>	<b>8</b>					
<b>MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT &amp; GANGA REJUVENATION</b>																										
251	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	306	45	8	47	132	17	2	2	321	21	2	0	98	5	3	0	857	88	15	49					
252	WAPCOS LTD.	617	80	10	92	77	14	2	11	96	21	4	23	80	26	4	13	870	141	20	139					
<b>SUB TOTAL :</b>		<b>923</b>	<b>125</b>	<b>18</b>	<b>139</b>	<b>209</b>	<b>31</b>	<b>4</b>	<b>13</b>	<b>417</b>	<b>42</b>	<b>6</b>	<b>23</b>	<b>178</b>	<b>31</b>	<b>7</b>	<b>13</b>	<b>1727</b>	<b>229</b>	<b>35</b>	<b>188</b>					

S.N.	Ministry / Deptt. / CPSE	Group A Managerial/ Executives Level										Group B Supervisory Level										Group C Workers (Skilled)										Group D Workers (Un-Skilled)										Total Employees				
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs													
<b>DEPT. OF ATOMIC ENERGY</b>																																														
253	ELECTRONICS CORPN. OF INDIA LTD.	1563	246	130	263	0	0	0	0	465	70	54	32	211	58	5	21	2239	374	189	316																									
254	INDIAN RARE EARTHS LTD.	504	66	12	115	0	0	0	0	796	135	25	302	362	118	8	113	1662	319	45	530																									
255	NUCLEAR POWER CORPN. OF INDIA LTD.	4248	357	71	598	1838	287	115	540	5217	1015	505	1325	0	0	0	0	11303	1659	691	2463																									
256	URANIUM CORPORATION OF INDIA LTD.	274	33	0	45	292	33	41	48	1577	141	355	205	2630	268	1595	192	4773	475	1991	490																									
<b>SUB TOTAL :</b>		<b>6589</b>	<b>702</b>	<b>213</b>	<b>1021</b>	<b>2130</b>	<b>320</b>	<b>156</b>	<b>588</b>	<b>8055</b>	<b>1361</b>	<b>939</b>	<b>1864</b>	<b>3203</b>	<b>444</b>	<b>1608</b>	<b>326</b>	<b>19977</b>	<b>2827</b>	<b>2916</b>	<b>3799</b>																									
<b>DEPT. OF SPACE</b>																																														
257	ANTRIX CORPORATION LTD.	18	0	1	1	5	0	0	2	8	0	0	0	49	24	3	12	80	24	4	15																									
<b>SUB TOTAL :</b>		<b>18</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>49</b>	<b>24</b>	<b>3</b>	<b>12</b>	<b>80</b>	<b>24</b>	<b>4</b>	<b>15</b>																									
<b>GRAND TOTAL :</b>		<b>264648</b>	<b>41236</b>	<b>15995</b>	<b>41907</b>	<b>104404</b>	<b>24929</b>	<b>10808</b>	<b>28027</b>	<b>561938</b>	<b>105262</b>	<b>50890</b>	<b>98552</b>	<b>198271</b>	<b>39918</b>	<b>27155</b>	<b>43134</b>	<b>1129261</b>	<b>211345</b>	<b>104848</b>	<b>211620</b>																									

**STATEMENT - 25**  
**EQUITY PARTICIPATION BY UNDER CONSTRUCTION CPSEs AS ON 31.3.2017**

(₹ in Lakhs)

S. No.	CPSE	Authorised Capital	Paid up Capital				Total
			Central Govt.	State Govt.	Holding Company	Others	
1	ANUSHAKTI VIDHYUT NIGAM LTD.	500	0	0	5	5	10
2	BALLABGARH - GN TRANSMISSION CO. LTD.	5	0	0	5	0	5
3	BHARAT PETRO RESOURCES JPDA	6000	0	0	6000	0	6000
4	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	500000	436112	0	0	22708	458820
5	BIHAR INFRAPOWER LTD.	5	0	0	5	0	5
6	BIHAR MEGA POWER LTD.	5	0	0	5	0	5
7	BPCL-KIAL FUEL PVT. LTD.	1800	0	0	440	160	600
8	BUNDELKHAND SAUR URJA LTD.	1000	0	0	0	0	0
9	CHEYYUR INFRA LTD.	5	0	0	5	0	5
10	CHHATTISGARH EAST RAILWAYS LTD.	65000	0	0	20572	10028	30600
11	CHHATTISGARH EAST-WEST RAILWAYS LTD.	111000	0	0	32288	18118	50406
12	CHHATTISGARH MEGA STEEL CO. LTD.	5	0	0	5	0	5
13	CHHATTISGARH SURGUJA POWER LTD.	5	0	0	5	0	5
14	COASTAL KARNATAKA POWER LTD.	5	0	0	5	0	5
15	COASTAL MAHARASHTRA MEGA POWER LTD.	5	0	0	5	0	5
16	COASTAL TAMIL NADU POWER LTD.	5	0	0	5	0	5
17	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	800000	765827	0	0	0	765827
18	DEOGHAR INFRA LTD.	5	0	0	5	0	5
19	DEOGHAR MEGA POWER LTD.	5	0	0	5	0	5
20	DINGCHANG TRANSMISSION LTD.	5	0	0	5	0	5
21	FATEHGARH BHADLA TRANSMISSION LTD.	1	0	0	1	0	1
22	GHATAMPUR TRANSMISSION LTD.	5	0	0	5	0	5
23	GHOARPALLI INTEGRATED POWER COMPANY LTD.	5	0	0	5	0	5
24	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	500	0	0	11	0	11
25	HLL MEDIPARK LTD.	50	0	0	10	0	10
26	HPCL RAJASTHAN REFINERY LTD.	400000	0	1	4	0	5
27	INDIAN CATALYST PVT. LTD.	10000	0	0	1593	0	1593
28	INLAND & COASTAL SHIPPING LTD.	1000	0	0	5	0	5
29	JAGDISHPUR PAPER MILLS LTD.	500	0	0	5	0	5
30	JHARKHAND INFRAPOWER LTD.	5	0	0	5	0	5
31	JHARKHAND KOLHAN STEEL LTD.	1	0	0	1	0	1
32	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.	100	0	0	0	1	1



S. No.	CPSE	Authorised Capital	Paid up Capital				Total
			Central Govt.	State Govt.	Holding Company	Others	
33	KARNATAKA VIJAY NAGAR STEEL LTD.	1	0	0	1	0	1
34	KOHIMA-MARIANI TRANSMISSION LTD.	1	0	0	1	0	1
35	KOLKATA METRO RAIL CORPORATION LTD.	140000	106050	0	0	0	106050
36	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	23000	0	3060	8709	0	11769
37	MAHANADI BASIN POWER LTD.	5	0	0	5	0	5
38	MEDINIPUR-JEERAT TRANSMISSION LTD.	1	0	0	1	0	1
39	MJSJ COAL LTD.	20000	5706	0	0	3804	9510
40	MNH SHAKTI LTD.	10000	0	0	5957	2553	8510
41	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	5	0	0	5	0	5
42	NAINI AEROSPACE LTD.	3000	0	0	3000	0	3000
43	NEYVELI UTTAR PRADESH POWER LTD	500000	0	0	46124	44316	90440
44	NMDC POWER LTD.	100	0	0	55	0	55
45	NMDC STEEL LTD.	1	0	0	1	0	1
46	NMDC-CMDC LTD.	20000	0	0	0	7026	7026
47	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.	1000	0	0	74	26	100
48	NPCIL - NALCO POWER COMPANY LTD.	100	0	0	7	3	10
49	ODISHA INFRAPOWER LTD.	5	0	0	5	0	5
50	OIL INDIA INTERNATIONAL LTD.	50000	0	0	10000	0	10000
51	ORISSA INTEGRATED POWER LTD.	5	0	0	5	0	5
52	POWER GRID JABALPUR TRANSMISSION LTD.	2000	0	0	15	0	15
53	POWER GRID PARLI TRANSMISSION LTD.	2000	0	0	10	0	10
54	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	100	0	0	5	0	5
55	POWERGRID KALA AMB TRANSMISSION LTD.	500	0	0	105	0	105
56	PUNJAB ASHOK HOTEL COMPANY LTD.	300	0	0	128	122	250
57	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	20000	0	0	16851	0	16851
58	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	5	0	0	5	0	5
59	SETHUSAMUDRAM CORPN. LTD.	100000	49500	0	0	25000	74500
60	SJVN THERMAL PVT. LTD.	300000	0	0	43668	0	43668
61	SOUTH-CENTRAL EAST DELHI POWER TRANSMISSION LTD.	5	0	0	5	0	5
62	TANDA TRANSMISSION COMPANY LTD.	5	0	0	5	0	5
63	TATIYA ANDHRA MEGA POWER LTD.	5	0	0	5	0	5
64	YULE ELECTRICAL LTD.	15000	0	0	5	0	5
65	YULE ENGINEERING COMPANY LTD.	300	0	0	5	0	5
<b>GRAND TOTAL :</b>		<b>3104971</b>	<b>1363195</b>	<b>3061</b>	<b>195772</b>	<b>133870</b>	<b>1695898</b>

**STATEMENT - 26**  
**Procurement from Micro and small Enterprises (MSEs) by CPSEs during 2016-17**

(₹ in Lakhs)

S. No.	Name of CPSE	Total procurement	Total procurement from MSEs	Procurement from MSEs owned by SC/ST entrepreneurs
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	100	0	0
2	ANTRIX CORPORATION LTD.	1053	1019	0
3	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	8598	3543	0
4	ASSAM ASHOK HOTEL CORPN. LTD.	113	0	0
5	BALMER LAWRIE & CO. LTD.	243804	5720	0
6	BEL-THALES SYSTEMS LTD.	36	0	0
7	BEML LTD.	148814	30393	19
8	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	4671	1448	0
9	BHARAT COKING COAL LTD.	38806	2588	0
10	BHARAT DYNAMICS LTD.	365997	27408	0
11	BHARAT ELECTRONICS LTD.	238200	88000	1700
12	BHARAT HEAVY ELECTRICALS LTD.	1521900	350037	0
13	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	7072	0	0
14	BHARAT PETROLEUM CORPN. LTD.	491961	161388	9120
15	BHARAT PUMPS & COMPRESSORS LTD.	3008	630	0
16	BHARAT WAGON & ENGG. CO. LTD.	434	0	0
17	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	13499	2664	438
18	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	302	60	0
19	BRAHMAPUTRA CRACKERS & POLYMER LTD.	15780	3945	0
20	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	2683	710	0
21	BRAITHWAITE & CO. LTD.	103	35	0
22	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	3013	360	0
23	BRIDGE & ROOF CO.(INDIA) LTD.	94546	9989	0
24	BURN STANDARD COMPANY LTD.	16229	8205	0
25	CENTRAL COALFIELDS LTD.	79523	0	0
26	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	5061	35	2
27	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	2885	857	0
28	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	2507	502	0
29	CENTRAL WAREHOUSING CORPN.	882	0	0
30	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	4	3	2
31	CHENNAI PETROLEUM CORPORATION LTD.	35700	12100	0
32	COAL INDIA LTD.	1401	0	0
33	CONTAINER CORPORATION OF INDIA LTD.	13222	3422	90
34	COTTON CORPN. OF INDIA LTD.	23134	4288	1163
35	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	284954	319	0

S. No.	Name of CPSE	Total procurement	Total procurement from MSEs	Procurement from MSEs owned by SC/ST entrepreneurs
36	DREDGING CORPN. OF INDIA LTD.	23482	0	0
37	E. C. G. C. LTD.	18	9	3
38	EASTERN COALFIELDS LTD.	41272	18716	0
39	EASTERN INVESTMENT LTD.	3	7	0
40	ENGINEERING PROJECTS (INDIA) LTD.	106273	3930	80
41	ENGINEERS INDIA LTD.	16061	5300	0
42	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	348	27	0
43	FERRO SCRAP NIGAM LTD.	2033	456	58
44	GAIL (INDIA) LTD.	313878	81163	224
45	GAIL GAS LTD.	23844	9123	3826
46	GOA SHIPYARD LTD.	108616	7427	0
47	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	1969	55	0
48	HEAVY ENGINEERING CORPN. LTD.	6381	1631	0
49	HINDUSTAN AERONAUTICS LTD.	707657	51130	366
50	HINDUSTAN COPPER LTD.	36830	3484	0
51	HINDUSTAN FLUOROCARBONS LIMITED	1294	265	5
52	HINDUSTAN NEWSPRINT LTD.	18759	204	0
53	HINDUSTAN ORGANIC CHEMICALS LTD.	6836	90	0
54	HINDUSTAN PETROLEUM CORPN. LTD.	746900	251900	8300
55	HINDUSTAN PREFAB LTD.	33	8	24
56	HINDUSTAN SALTS LTD.	153	33	0
57	HLL BIOTECH LTD.	5201	252	0
58	HLL LIFECARE LTD.	26441	6610	0
59	HLL MEDIPARK LTD	1	1	0
60	HMT LTD.	64	64	0
61	HOOGHLY DOCK AND PORT ENGINEERS LTD.	4	0	0
62	HOOGHLY PRINTING COMPANY LTD.	785	0	0
63	HOTEL CORPN. OF INDIA LTD.	1336	0	0
64	HOUSING & URBAN DEV. CORPN. LTD.	526	24	4
65	HPCL BIOFUELS LTD.	4242	88	0
66	I T I LTD.	10967	0	0
67	IIFCL ASSET MANAGEMENT COMPANY LTD.	1	0	0
68	INDIA TRADE PROMOTION ORGANISATION	0	0	0
69	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	32	7	7
70	INDIAN OIL CORPORATION LTD.	1351037	522197	3619
71	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	9580	1693	0
72	INDIAN RAILWAY FINANCE CORPORATION LTD.	342	156	28
73	INDIAN RARE EARTHS LTD.	17781	5724	0
74	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	667	131	0

S. No.	Name of CPSE	Total procurement	Total procurement from MSEs	Procurement from MSEs owned by SC/ST entrepreneurs
75	KANTI BIJLEE UTPADAN NIGAM LTD.	4685	1307	0
76	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	19870	1582	0
77	KIOCL LTD.	1636	339	0
78	KOLKATA METRO RAIL CORPORATION LTD.	505	499	0
79	KONKAN RAILWAY CORPORATION LTD.	4483	2302	20
80	M M T C LTD.	818	468	48
81	MADRAS FERTILIZERS LTD.	4568	48	0
82	MANGALORE REFINERY & PETROCHEMICALS LTD.	104496	22666	0
83	MAZAGON DOCK SHIPBUILDERS LTD.	35119	7978	14
84	MECON LTD.	7580	2371	0
85	MINERAL EXPLORATION CORPN. LTD.	2405	508	0
86	MNH SHAKTI LTD.	1	0	0
87	MOIL LTD.	48	21	0
88	NAINI AEROSPACE LTD.	16	0	0
89	NATIONAL ALUMINIUM COMPANY LTD.	197530	41495	936
90	NATIONAL BACKWARD CLASSES FINANCE & DEVPT.CO.	8	2	28
91	NATIONAL FERTILIZERS LTD.	33581	10470	88
92	NATIONAL FILM DEV. CORPN. LTD.	1297	387	0
93	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	313245	198342	0
94	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	21	0	0
95	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	18	2	0
96	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	99	26	10
97	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	36	8	1
98	NATIONAL SMALL INDUSTRIES CORPN. LTD.	3082	1871	86
99	NATIONAL TEXTILE CORPN. LTD.	4792	1675	300
100	NBCC (INDIA) LTD.	1830	875	256
101	NHDC LTD.	6559	1614	0
102	NHPC LTD.	17142	4403	12
103	NLC INDIA LTD.	32633	14519	4500
104	NLC TAMIL NADU POWER LTD.	1423	0	0
105	NMDC Ltd.	9768	2361	207
106	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV. CORPN. LTD.	218	44	2
107	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	11982	942	15
108	NORTHERN COALFIELDS LTD.	299940	0	0
109	NTPC LTD.	397840	101906	1559
110	NTPC VIDYUT VYAPAR NIGAM LTD.	202	83	0

S. No.	Name of CPSE	Total procurement	Total procurement from MSEs	Procurement from MSEs owned by SC/ST entrepreneurs
111	NUCLEAR POWER CORPN. OF INDIA LTD.	190273	58741	489
112	NUMALIGARH REFINERY LTD.	45787	12989	413
113	OIL INDIA LTD.	453103	5	1
114	ONGC MANGALORE PETROCHEMICALS LTD.	7610	2239	0
115	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	72	15	0
116	P E C LTD.	3	3	0
117	PATRATU VIDYUT UTPADAN NIGAM LTD.	1175	153	0
118	PONDICHERRY ASHOK HOTEL CORPN. LTD.	72	0	0
119	POWER FINANCE CORPORATION LTD.	1607	33	0
120	POWER GRID CORPORATION OF INDIA LTD.	3178276	173295	0
121	POWER SYSTEM OPERATION CORPORATION LTD.	840	190	2
122	PRIZE PETROLEUM COMPANY LTD.	131	46	0
123	PROJECTS & DEVELOPMENT INDIA LTD.	674	244	0
124	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	3575	0	0
125	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	14636	5939	0
126	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	14	0	0
127	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	48634	10120	10
128	RASHTRIYA ISPAT NIGAM LTD.	145008	41505	0
129	REC POWER DISTRIBUTION CO. LTD.	1313	736	0
130	BITES LTD.	2862	633	0
131	RURAL ELECTRIFICATION CORPN. LTD.	75	0	0
132	SAIL REFRACTORY COMPANY LTD.	3336	1171	0
133	SAMBHAR SALTS LTD.	211	20	0
134	SHIPPING CORPORATION OF INDIA LTD.	45233	10996	0
135	SJVN LTD.	6913	3199	1707
136	SJVN THERMAL PVT. LTD.	0	0	0
137	SOLAR ENERGY CORPORATION OF INDIA	68037	0	0
138	STEEL AUTHORITY OF INDIA LTD.	324642	76704	217
139	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	23902	7920	0
140	THE BISRA STONE LIME COMPANY LTD.	96	37	0
141	URANIUM CORPORATION OF INDIA LTD.	19243	2896	0
142	VIGNYAN INDUSTRIES LTD.	1860	330	0
143	WAPCOS LTD.	0	0	0
144	WESTERN COALFIELDS LTD.	65488	9851	0
<b>GRAND TOTAL :</b>		<b>13435819</b>	<b>2532697</b>	<b>39999</b>

**CENTRAL PUBLIC SECTOR ENTERPRISES UNDER DIFFERENT MINISTRIES/  
DEPARTMENTS AS ON 31.3.2017**

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
<b>MINISTRY OF AGRICULTURE AND FARMERS WELFARE</b>		
<b>D/O AGRICULTURE COOPERATION AND FARMERS WELFARE</b>		
1	NATIONAL SEEDS CORPN. LTD.	1963
<b>MINISTRY OF AGRICULTURE AND FARMERS WELFARE</b>		
<b>D/O AGRICULTURE RESEARCH AND EDUCATION</b>		
2	AGRINNOVATE INDIA LTD.	2011
<b>MINISTRY OF AYUSH</b>		
3	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	1978
<b>MINISTRY OF CHEMICALS &amp; FERTILIZERS</b>		
<b>D/O CHEMICALS &amp; PETROCHEMICALS</b>		
4	BRAHMAPUTRA CRACKERS & POLYMER LTD.	2007
5	HINDUSTAN FLUOROCARBONS LIMITED	1983
6	HINDUSTAN INSECTICIDES LTD.	1954
7	HINDUSTAN ORGANIC CHEMICALS LTD.	1960
<b>MINISTRY OF CHEMICALS &amp; FERTILIZERS</b>		
<b>D/O FERTILIZER</b>		
8	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	2002
9	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	2003
10	FERTILIZER CORPN. OF INDIA LTD.	1961
11	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	1943
12	HINDUSTAN FERTILIZER CORPN. LTD.	1978
13	MADRAS FERTILIZERS LTD.	1966
14	NATIONAL FERTILIZERS LTD.	1974
15	PROJECTS & DEVELOPMENT INDIA LTD.	1978
16	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	1978
<b>MINISTRY OF CHEMICALS &amp; FERTILIZERS</b>		
<b>D/O PHARMACEUTICALS</b>		
17	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	1901
18	HINDUSTAN ANTIBIOTICS LTD.	1954
19	IDPL (TAMILNADU) LTD.	1994
20	INDIAN DRUGS & PHARMACEUTICALS LTD.	1961
21	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	1981
22	ORISSA DRUGS & CHEMICALS LTD.	1979
23	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	1978
<b>MINISTRY OF CIVIL AVIATION</b>		
24	AIR INDIA AIR TRANSPORT SERVICES LTD.	2003

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
25	AIR INDIA ENGINEERING SERVICES LTD.	2004
26	AIR INDIA EXPRESS LTD.	1971
27	AIR INDIA LTD.	2007
28	AIRLINE ALLIED SERVICES LTD.	1983
29	AIRPORTS AUTHORITY OF INDIA	1995
30	HOTEL CORPN. OF INDIA LTD.	1971
31	PAWAN HANS LTD.	1985
<b>MINISTRY OF COAL</b>		
32	BHARAT COKING COAL LTD.	1972
33	CENTRAL COALFIELDS LTD.	1975
34	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	1975
35	CHHATTISGARH EAST RAILWAYS LTD.	2013
36	CHHATTISGARH EAST-WEST RAILWAYS LTD.	2013
37	COAL INDIA LTD.	1973
38	EASTERN COALFIELDS LTD.	1975
39	MAHANADI BASIN POWER LTD.	2012
40	MAHANADI COALFIELDLS LTD.	1992
41	MJSJ COAL LTD.	2009
42	MNH SHAKTI LTD.	2009
43	NEYVELI UTTAR PRADESH POWER LTD	2012
44	NLC INDIA LTD.	1956
45	NLC TAMIL NADU POWER LTD.	2005
46	NORTHERN COALFIELDS LTD.	1985
47	SOUTH EASTERN COALFIELDS LTD.	1985
48	WESTERN COALFIELDS LTD.	1975
<b>MINISTRY OF COMMERCE &amp; INDUSTRY</b>		
<b>D/O COMMERCE</b>		
49	E. C. G. C. LTD.	1957
50	INDIA TRADE PROMOTION ORGANISATION	1976
51	KARNATAKA TRADE PROMOTION ORGANISATION	2000
52	M M T C LTD.	1963
53	P E C LTD.	1971
54	STATE TRADING CORPN. OF INDIA LTD.	1956
55	STCL LTD.	1982
56	TAMIL NADU TRADE PROMOTION ORGANISATION	2000
<b>MINISTRY OF COMMERCE &amp; INDUSTRY</b>		
<b>D/O INDUSTRIAL POLICY &amp; PROMOTION</b>		
57	JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD	2005



S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
<b>MINISTRY OF COMMUNICATION</b>		
<b>D/O POST</b>		
58	INDIA POST PAYMENT BANK LTD	2016
<b>MINISTRY OF COMMUNICATION</b>		
<b>D/O TELECOMMUNICATIONS</b>		
59	BHARAT BROADBAND NETWORK LTD.	2012
60	BHARAT SANCHAR NIGAM LTD.	2000
61	I T I LTD.	1950
62	MAHANAGAR TELEPHONE NIGAM LTD.	1986
63	MILLENNIUM TELECOM LTD.	2000
64	TCIL BINA TOLL ROAD LTD.	2012
65	TCIL LAKHNADONE TOLL ROAD LTD.	2013
66	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	1978
<b>MINISTRY OF COMSUMER AFFAIRS,FOOD &amp; PUBLIC DISTRIBUTION</b>		
<b>D/O FOOD &amp; PUBLIC DISTRIBUTION</b>		
67	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	2007
68	CENTRAL WAREHOUSING CORPN.	1957
69	FOOD CORPN. OF INDIA	1965
<b>MINISTRY OF DEFENCE</b>		
<b>D/O DEFENCE PRODUCTION</b>		
70	BEL OPTRONICS DEVICES LTD.	1990
71	BEL-THALES SYSTEMS LTD.	2014
72	BEML LTD.	1964
73	BHARAT DYNAMICS LTD.	1970
74	BHARAT ELECTRONICS LTD.	1954
75	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	1934
76	GOA SHIPYARD LTD.	1957
77	HINDUSTAN AERONAUTICS LTD.	1964
78	HINDUSTAN SHIPYARD LTD.	1952
79	MAMC INDUSTRIES LTD.	2010
80	MAZAGON DOCK SHIPBUILDERS LTD.	1934
81	MISHRA DHATU NIGAM LTD.	1973
82	NAINI AEROSPACE LTD.	2016
83	VIGNYAN INDUSTRIES LTD.	1963
<b>MINISTRY OF DEVELOPMENT OF NORTH EASTERN REGION</b>		
84	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	1977
85	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	1982
<b>MINISTRY OF ELECTRONIC &amp; INFORMATION TECHNOLOGY</b>		
86	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	1995

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
<b>MINISTRY OF ENVIRONMENT, FORESTS CLIMATE CHANGE</b>		
87	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORPLTD	1977
<b>MINISTRY OF FINANCE</b>		
<b>D/O ECONOMIC AFFAIRS</b>		
88	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	2006
<b>MINISTRY OF FINANCE</b>		
<b>D/O FINANCIAL SERVICES</b>		
89	IIFCL ASSET MANAGEMENT COMPANY LTD.	2012
90	IIFCL PROJECTS LTD.	2012
91	INDIA INFRASTRUCTURE FINANCE CO. LTD.	2006
<b>MINISTRY OF HEALTH &amp; FAMILY WELFARE</b>		
<b>DEPARTMENT OF HEALTH AND FAMILY WELFARE</b>		
92	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	1980
93	HLL BIOTECH LTD.	2012
94	HLL INFRA TECH SERVICES LTD.	2014
95	HLL LIFECARE LTD.	1966
96	HLL MEDIPARK LTD	2016
97	HSCC (INDIA) LTD.	1983
<b>MINISTRY OF HEAVY INDUSTRIES &amp; PUBLIC ENTERPRISES</b>		
<b>D/O HEAVY INDUSTRIES</b>		
98	ANDREW YULE & COMPANY LTD.	1919
99	BHARAT HEAVY ELECTRICALS LTD.	1964
100	BHARAT PUMPS & COMPRESSORS LTD.	1970
101	BHEL ELECTRICAL MACHINES LTD.	2011
102	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	1935
103	BRIDGE & ROOF CO.(INDIA) LTD.	1920
104	CEMENT CORPN. OF INDIA LTD.	1965
105	ENGINEERING PROJECTS (INDIA) LTD.	1970
106	HEAVY ENGINEERING CORPN. LTD.	1958
107	HINDUSTAN CABLES LTD.	1952
108	HINDUSTAN NEWSPRINT LTD.	1983
109	HINDUSTAN PAPER CORPORATION LTD.	1970
110	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	1960
111	HINDUSTAN SALTS LTD.	1958
112	HMT (INTERNATIONAL) LTD.	1974
113	HMT BEARINGS LTD.	1964
114	HMT CHINAR WATCHES LTD.	2000
115	HMT LTD.	1953
116	HMT MACHINE TOOLS LTD.	1999
117	HMT WATCHES LTD.	1999

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
118	HOOGHLY PRINTING COMPANY LTD.	1922
119	INSTRUMENTATION LTD.	1964
120	JAGDISHPUR PAPER MILLS LTD.	2008
121	NAGALAND PULP & PAPER COMPANY LTD.	1971
122	NEPA LTD.	1947
123	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	1981
124	RICHARDSON & CRUDDAS(1972) LTD.	1973
125	SAMBHAR SALTS LTD.	1964
126	SCOOTERS INDIA LTD.	1972
127	TUNGABHADRA STEEL PRODUCTS LTD.	1960
128	YULE ELECTRICAL LTD.	2007
129	YULE ENGINEERING COMPANY LTD.	2007
<b>MINISTRY OF HOME AFFAIRS</b>		
130	DELHI POLICE HOUSING CORPORATION LTD.	2007
<b>MINISTRY OF HOUSING &amp; URBAN AFFAIRS</b>		
131	HINDUSTAN PREFAB LTD.	1953
132	HOUSING & URBAN DEV. CORPN. LTD.	1970
133	NBCC (INDIA) LTD.	1960
134	NBCC ENGINEERING AND CONSULTANCY LTD.	2015
135	NBCC SERVICES LTD.	2014
<b>MINISTRY OF HUMAN RESOURCE DEVELOPMENT</b>		
<b>D/O HIGHER EDUCATION</b>		
136	EdCIL(India) Ltd.	1981
<b>MINISTRY OF INFORMATION &amp; BROADCASTING</b>		
137	BROADCAST ENGG. CONSULTANTS INDIA LTD.	1995
138	NATIONAL FILM DEV. CORPN. LTD.	1975
<b>MINISTRY OF MICRO SMALL &amp; MEDIUM ENTERPRISES</b>		
139	NATIONAL SMALL INDUSTRIES CORPN. LTD.	1955
<b>MINISTRY OF MINES</b>		
140	HINDUSTAN COPPER LTD.	1967
141	MINERAL EXPLORATION CORPN. LTD.	1972
142	NATIONAL ALUMINIUM COMPANY LTD.	1981
<b>MINISTRY OF MINORITIES AFFAIRS</b>		
143	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	1994
<b>MINISTRY OF NEW AND RENEWABLE ENERGY</b>		

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
144	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	1987
145	SOLAR ENERGY CORPORATION OF INDIA	2011
<b>MINISTRY OF PETROLEUM &amp; NATURAL GAS</b>		
146	BALMER LAWRIE & CO. LTD.	1924
147	BALMER LAWRIE INVESTMENTS LTD.	2001
148	BHARAT PETRO RESOURCES JPDA	2006
149	BHARAT PETRO RESOURCES LTD.	2006
150	BHARAT PETROLEUM CORPN. LTD.	1976
151	BPCL-KIAL FUEL PVT. LTD.	2015
152	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	1994
153	CHENNAI PETROLEUM CORPORATION LTD.	1965
154	CREDA HPCL BIOFUEL LTD.	2008
155	ENGINEERS INDIA LTD.	1965
156	GAIL (INDIA) LTD.	1984
157	GAIL GAS LTD.	2008
158	HINDUSTAN PETROLEUM CORPN. LTD.	1952
159	HPCL BIOFUELS LTD.	2009
160	HPCL RAJASTHAN REFINERY LTD.	2012
161	INDIAN CATALYST PVT. LTD.	2006
162	INDIAN OIL CORPORATION LTD.	1964
163	INDIAN OIL-CREDA BIOFUELS LTD.	2009
164	MANGALORE REFINERY & PETROCHEMICALS LTD.	1988
165	NUMALIGARH REFINERY LTD.	1993
166	OIL & NATURAL GAS CORPORATION LTD.	1993
167	OIL INDIA INTERNATIONAL LTD.	2012
168	OIL INDIA LTD.	1959
169	ONGC MANGALORE PETROCHEMICALS LTD.	2015
170	ONGC VIDESH LTD.	1965
171	PETRONET CCK LTD.	1998
172	PRIZE PETROLEUM COMPANY LTD.	1998
<b>MINISTRY OF POWER</b>		
173	BALLABGARH - GN TRANSMISSION CO. LTD.	2013
174	BHARTIYA RAIL BIJLEE CO. LTD.	2007
175	BIHAR INFRAPOWER LTD.	2015
176	BIHAR MEGA POWER LTD.	2015
177	BIJAWAR-VIDARBHA TRANSMISSION LTD	2017
178	BUNDELKHAND SAUR URJA LTD.	2014
179	CHEYYUR INFRA LTD.	2014

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
180	CHHATTISHGARH SURGUJA POWER LTD.	2006
181	COASTAL KARNATAKA POWER LTD.	2006
182	COASTAL MAHARASHTRA MEGA POWER LTD.	2006
183	COASTAL TAMIL NADU POWER LTD.	2007
184	DEOGHAR INFRA LTD.	2015
185	DEOGHAR MEGA POWER LTD.	2012
186	DINGCHANG TRANSMISSION LTD.	2015
187	ERSS XXI TRANSMISSION LTD	2017
188	FATEHGARH BHADLA TRANSMISSION LTD	2016
189	GHATAMPUR TRANSMISSION LTD.	2016
190	GHOARPALLI INTEGRATED POWER COMPANY LTD.	2009
191	GOA-TAMNAR TRANSMISSION PROJECT LTD	2017
192	GRID CONDUCTOR LTD.	2015
193	JHARKHAND INFRAPOWER LTD.	2015
194	KANTI BIJLEE UTPADAN NIGAM LTD.	2006
195	KOHIMA-MARIANI TRANSMISSION LTD.	2016
196	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	2009
197	MEDINIPUR-JEERAT TRANSMISSION LTD.	2016
198	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	2014
199	NHDC LTD.	2000
200	NHPC LTD.	1975
201	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	1976
202	NTPC ELECTRIC SUPPLY COMPANY LTD.	2002
203	NTPC LTD.	1975
204	NTPC VIDYUT VYAPAR NIGAM LTD.	2002
205	ODISHA INFRAPOWER LTD.	2014
206	ORISSA INTEGRATED POWER LTD.	2006
207	PATRATU VIDYUT UTPADAN NIGAM LTD.	2015
208	PFC CAPITAL ADVISORY SERVICE LTD.	2011
209	PFC CONSULTING LTD.	2008
210	PFC GREEN ENERGY LTD.	2011
211	POWER EQUITY CAPITAL ADVISORS PVT. LTD.	2008
212	POWER FINANCE CORPORATION LTD.	1986
213	POWER GRID CORPORATION OF INDIA LTD.	1989
214	POWER GRID JABALPUR TRANSMISSION LTD.	2014
215	POWER GRID PARLI TRANSMISSION LTD.	2014
216	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	2015
217	POWER GRID VEMAGIRI TRANSMISSION LTD.	2011
218	POWER GRID WARORA TRANSMISSION LTD.	2014
219	POWER SYSTEM OPERATION CORPORATION LTD.	2009
220	POWERGRID KALA AMB TRANSMISSION LTD.	2014

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
221	POWERGRID NM TRANSMISSION LTD.	2011
222	POWERGRID UNCHAHAR TRANSMISSION LTD.	2012
223	POWERGRID VIZAG TRANSMISSION LTD.	2011
224	REC POWER DISTRIBUTION CO. LTD.	2007
225	REC TRANSMISSION PROJECTS CO. LTD.	2007
226	RURAL ELECTRIFICATION CORPN. LTD.	1969
227	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	2009
228	SHONGTONG KARCHAM WANGTOO TRANSMISSION LTD	2017
229	SJVN LTD.	1988
230	SJVN THERMAL PVT. LTD.	1988
231	SOUTH-CENTRAL EAST DELHI POWER TRANSMISSION LTD.	2015
232	TANDA TRANSMISSION COMPANY LTD.	2013
233	TATIYA ANDHRA MEGA POWER LTD.	2010
234	THDC INDIA LTD.	1988
235	WR-NR POWER TRANSMISSION LTD	2017
<b>MINISTRY OF RAILWAYS</b>		
236	BHARAT WAGON & ENGG. CO. LTD.	1978
237	BRAITHWAITE & CO. LTD.	1976
238	BURN STANDARD COMPANY LTD.	1976
239	CONCOR AIR LTD.	2012
240	CONTAINER CORPORATION OF INDIA LTD.	1988
241	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	2007
242	FRESH & HEALTHY ENTERPRISES LTD.	2006
243	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	2012
244	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	1999
245	INDIAN RAILWAY FINANCE CORPORATION LTD.	1986
246	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	2012
247	IRCON INFRASTRUCTURE & SERVICES LTD.	2009
248	IRCON INTERNATIONAL LTD.	1976
249	IRCON PB TOLLWAY LTD.	2014
250	IRCON SHIVPURI GUNA TOLLWAY LTD.	2015
251	KOLKATA METRO RAIL CORPORATION LTD.	2010
252	KONKAN RAILWAY CORPORATION LTD.	1990
253	MUMBAI RAILWAY VIKAS CORPORATION LTD.	1999
254	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	2014
255	RAIL VIKAS NIGAM LTD.	2003
256	RAILTEL CORPORATION INDIA LTD.	2000
257	RAILTEL ENTERPRISES LTD.	2014
258	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	2013
259	BITES INFRASTRUCTURE SERVICES LTD.	2010

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
260	RITES LTD.	1974
261	SIDCUL CONCOR INFRA COMPANY LTD.	2013
<b>MINISTRY OF ROAD TRANSPORT AND HIGHWAYS</b>		
262	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	2014
<b>MINISTRY OF SCIENCE &amp; TECHNOLOGY</b>		
<b>DEPT. OF BIOTECHNOLOGY</b>		
263	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	1989
264	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	2012
265	INDIAN VACCINE CORP. LTD.	1989
<b>MINISTRY OF SCIENCE &amp; TECHNOLOGY</b>		
<b>DEPT. OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH</b>		
266	CENTRAL ELECTRONICS LTD.	1974
267	NATIONAL RESEARCH DEVELOPMENT CORPN.	1953
<b>MINISTRY OF SHIPPING</b>		
268	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	1967
269	COCHIN SHIPYARD LTD.	1972
270	DREDGING CORPN. OF INDIA LTD.	1976
271	HOOGHLY DOCK AND PORT ENGINEERS LTD.	1984
272	INLAND & COASTAL SHIPPING LTD.	2016
273	KAMARAJAR PORT LTD.	1999
274	SETHUSAMUDRAM CORPN. LTD.	2004
275	SHIPPING CORPORATION OF INDIA LTD.	1961
<b>MINISTRY OF SOCIAL JUSTICE &amp; EMPOWERMENT</b>		
<b>DEPT. OF EMPOWERMENT OF PERSONS WITH DISABILITY</b>		
276	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	1972
277	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	1997
<b>MINISTRY OF SOCIAL JUSTICE &amp; EMPOWERMENT</b>		
<b>DEPT. OF SOCIAL JUSTICE &amp; EMPOWERMENT</b>		
278	NATIONAL BACKWARD CLASSES FINANCE & DEVPT.CO.	1992
279	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	1997
280	NATIONAL SCHEDULED CASTES FINANCE & DEVPT. CORPN.	1989
<b>MINISTRY OF STEEL</b>		
281	CHHATTISGARH MEGA STEEL CO. LTD.	2015
282	EASTERN INVESTMENT LTD.	1927
283	FERRO SCRAP NIGAM LTD.	1979
284	HINDUSTAN STEELWORKS COSTN. LTD.	1964
285	J & K MINERAL DEVELOPMENT CORPN. LTD.	1989
286	JHARKHAND KOLHAN STEEL LTD.	2015



S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
287	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.	2012
288	KARNATAKA VIJAY NAGAR STEEL LTD.	2014
289	KIOCL LTD.	1976
290	M S T C LTD.	1964
291	MECON LTD.	1973
292	MOIL LTD.	1962
293	NMDC Ltd.	1958
294	NMDC POWER LTD.	2011
295	NMDC STEEL LTD.	2015
296	NMDC-CMDC LTD.	2008
297	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	2010
298	RASHTRIYA ISPAT NIGAM LTD.	1982
299	SAIL REFRACTORY COMPANY LTD.	2011
300	STEEL AUTHORITY OF INDIA LTD.	1973
301	THE BISRA STONE LIME COMPANY LTD.	1910
<b>MINISTRY OF TEXTILES</b>		
302	BIRDS JUTE & EXPORTS LTD.	1904
303	BRITISH INDIA CORPORATION LTD.	1920
304	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	1976
305	COTTON CORPN. OF INDIA LTD.	1970
306	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	1958
307	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1983
308	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	1980
309	NATIONAL TEXTILE CORPN. LTD.	1968
310	THE JUTE CORPN. OF INDIA LTD.	1971
<b>MINISTRY OF TOURISM</b>		
311	ASSAM ASHOK HOTEL CORPN. LTD.	1982
312	DONYI POLO ASHOK HOTEL LTD.	1987
313	INDIA TOURISM DEV. CORPN. LTD.	1966
314	KUMARAKRUPPA FRONTIER HOTELS LTD.	2001
315	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	1985
316	PONDICHERRY ASHOK HOTEL CORPN. LTD.	1986
317	PUNJAB ASHOK HOTEL COMPANY LTD.	1998
318	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	1983
319	UTKAL ASHOK HOTEL CORPN. LTD.	1983
<b>MINISTRY OF TRIBAL AFFAIRS</b>		
320	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	2001

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
<b>MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT &amp; GANGA REJUVENATION</b>		
321	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	1957
322	WAPCOS LTD.	1969
<b>DEPT. OF ATOMIC ENERGY</b>		
323	ANUSHAKTI VIDHYUT NIGAM LTD.	2011
324	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	2003
325	ELECTRONICS CORPN. OF INDIA LTD.	1967
326	INDIAN RARE EARTHS LTD.	1950
327	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.	2012
328	NPCIL - NALCO POWER COMPANY LTD.	2012
329	NUCLEAR POWER CORPN. OF INDIA LTD.	1987
330	URANIUM CORPORATION OF INDIA LTD.	1967
<b>DEPT. OF SPACE</b>		
331	ANTRIX CORPORATION LTD.	1992

**CENTRAL PUBLIC SECTOR ENTERPRISES UNDER DIFFERENT SECTORS/COGNATE GROUPS AS ON 31.3.2017**

S. No.	Sector / Cognate Group / CPSE
	<b>AGRICULTURE</b>
	<b>AGRO BASED INDUSTRIES</b>
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD
2	CREDA HPCL BIOFUEL LTD.
3	HPCL BIOFUELS LTD.
4	INDIAN OIL-CREDA BIOFUELS LTD.
5	NATIONAL SEEDS CORPN. LTD.
	<b>MINING AND EXPLORATION</b>
	<b>COAL</b>
6	BHARAT COKING COAL LTD.
7	CENTRAL COALFIELDS LTD.
8	COAL INDIA LTD.
9	EASTERN COALFIELDS LTD.
10	MAHANADI COALFIELDLS LTD.
11	NORTHERN COALFIELDS LTD.
12	SOUTH EASTERN COALFIELDS LTD.
13	WESTERN COALFIELDS LTD.
	<b>MINING AND EXPLORATION</b>
	<b>CRUDE OIL</b>
14	BHARAT PETRO RESOURCES LTD.
15	OIL & NATURAL GAS CORPORATION LTD.
16	OIL INDIA LTD.
17	ONGC VIDESH LTD.
18	PRIZE PETROLEUM COMPANY LTD.
	<b>MINING AND EXPLORATION</b>
	<b>OTHER MINERALS &amp; METALS</b>
19	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.
20	HINDUSTAN COPPER LTD.
21	INDIAN RARE EARTHS LTD.
22	J & K MINERAL DEVELOPMENT CORPN. LTD.
23	KIOCL LTD.
24	MOIL LTD.
25	NATIONAL ALUMINIUM COMPANY LTD.
26	NMDC Ltd.
27	ORISSA MINERAL DEVELOPMENT COMPANY LTD.
28	THE BISRA STONE LIME COMPANY LTD.
29	URANIUM CORPORATION OF INDIA LTD.
	<b>MANUFACTURING, PROCESSING AND GENERATION</b>
	<b>STEEL</b>
30	FERRO SCRAP NIGAM LTD.

S. No.	Sector / Cognate Group / CPSE
31	MISHRA DHATU NIGAM LTD.
32	RASHTRIYA ISPAT NIGAM LTD.
33	STEEL AUTHORITY OF INDIA LTD.
<b>MANUFACTURING,PROCESSING AND GENERATION</b>	
<b>PETROLEUM (REFINERY &amp; MARKETING)</b>	
34	BHARAT PETROLEUM CORPN. LTD.
35	CHENNAI PETROLEUM CORPORATION LTD.
36	HINDUSTAN PETROLEUM CORPN. LTD.
37	INDIAN OIL CORPORATION LTD.
38	MANGALORE REFINERY & PETROCHEMICALS LTD.
39	NUMALIGARH REFINERY LTD.
<b>MANUFACTURING,PROCESSING AND GENERATION</b>	
<b>FERTILIZERS</b>	
40	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.
41	FERTILIZER CORPN. OF INDIA LTD.
42	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.
43	HINDUSTAN FERTILIZER CORPN. LTD.
44	MADRAS FERTILIZERS LTD.
45	NATIONAL FERTILIZERS LTD.
46	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.
<b>MANUFACTURING,PROCESSING AND GENERATION</b>	
<b>CHEMICALS &amp; PHARMACEUTICALS</b>	
47	BENGAL CHEMICALS & PHARMACEUTICALS LTD.
48	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.
49	BRAHMAPUTRA CRACKERS & POLYMER LTD.
50	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.
51	HINDUSTAN ANTIBIOTICS LTD.
52	HINDUSTAN FLUOROCARBONS LIMITED
53	HINDUSTAN INSECTICIDES LTD.
54	HINDUSTAN ORGANIC CHEMICALS LTD.
55	HLL BIOTECH LTD.
56	IDPL (TAMILNADU) LTD.
57	INDIAN DRUGS & PHARMACEUTICALS LTD.
58	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.
59	INDIAN VACCINE CORP. LTD.
60	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.
61	ONGC MANGALORE PETROCHEMICALS LTD.
62	ORISSA DRUGS & CHEMICALS LTD.
63	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.
<b>MANUFACTURING,PROCESSING AND GENERATION</b>	
<b>HEAVY &amp; MEDIUM ENGINEERING</b>	
64	BALMER LAWRIE & CO. LTD.
65	BEL OPTRONICS DEVICES LTD.

S. No.	Sector / Cognate Group / CPSE
66	BEL-THALES SYSTEMS LTD.
67	BHARAT DYNAMICS LTD.
68	BHARAT ELECTRONICS LTD.
69	BHARAT HEAVY ELECTRICALS LTD.
70	BHARAT PUMPS & COMPRESSORS LTD.
71	BHARAT WAGON & ENGG. CO. LTD.
72	BHEL ELECTRICAL MACHINES LTD.
73	BRAITHWAITE & CO. LTD.
74	BURN STANDARD COMPANY LTD.
75	CENTRAL ELECTRONICS LTD.
76	COCHIN SHIPYARD LTD.
77	ELECTRONICS CORPN. OF INDIA LTD.
78	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.
79	GOA SHIPYARD LTD.
80	HEAVY ENGINEERING CORPN. LTD.
81	HINDUSTAN AERONAUTICS LTD.
82	HINDUSTAN CABLES LTD.
83	HINDUSTAN SHIPYARD LTD.
84	HMT BEARINGS LTD.
85	HMT CHINAR WATCHES LTD.
86	HMT LTD.
87	HMT MACHINE TOOLS LTD.
88	HMT WATCHES LTD.
89	HOOGHLY DOCK AND PORT ENGINEERS LTD.
90	I T I LTD.
91	INSTRUMENTATION LTD.
92	MAZAGON DOCK SHIPBUILDERS LTD.
93	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.
94	RICHARDSON & CRUDDAS(1972) LTD.
95	SAIL REFRACTORY COMPANY LTD.
96	SCOOTERS INDIA LTD.
97	TUNGABHADRA STEEL PRODUCTS LTD.
98	VIGNYAN INDUSTRIES LTD.
	<b>MANUFACTURING,PROCESSING AND GENERATION</b>
	<b>TRANSPORATATION VEHICLE &amp; EQUIPMENT</b>
99	BEML LTD.
	<b>MANUFACTURING,PROCESSING AND GENERATION</b>
	<b>INDUSTRIAL AND CONSUMER GOODS</b>
100	ANDREW YULE & COMPANY LTD.
101	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA
102	CEMENT CORPN. OF INDIA LTD.
103	HINDUSTAN NEWSPRINT LTD.
104	HINDUSTAN PAPER CORPORATION LTD.

S. No.	Sector / Cognate Group / CPSE
105	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.
106	HINDUSTAN SALTS LTD.
107	HLL LIFECARE LTD.
108	HOOGHLY PRINTING COMPANY LTD.
109	NAGALAND PULP & PAPER COMPANY LTD.
110	NEPA LTD.
111	SAMBHAR SALTS LTD.
112	SECURITY PRINTING & MINTING CORPN. INDIA LTD.
<b>MANUFACTURING, PROCESSING AND GENERATION</b>	
<b>TEXTILES</b>	
113	BIRDS JUTE & EXPORTS LTD.
114	BRITISH INDIA CORPORATION LTD.
115	NATIONAL JUTE MANUFACTURES CORPORATION LTD.
116	NATIONAL TEXTILE CORPN. LTD.
<b>MANUFACTURING, PROCESSING AND GENERATION</b>	
<b>POWER GENERATION</b>	
117	BHARTIYA RAIL BIJLEE CO. LTD.
118	KANTI BIJLEE UTPADAN NIGAM LTD.
119	NHDC LTD.
120	NHPC LTD.
121	NLC INDIA LTD.
122	NLC TAMIL NADU POWER LTD.
123	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
124	NTPC LTD.
125	NUCLEAR POWER CORPN. OF INDIA LTD.
126	PATRATU VIDYUT UTPADAN NIGAM LTD.
127	SJVN LTD.
128	THDC INDIA LTD.
<b>SERVICES</b>	
<b>POWER TRANSMISSION</b>	
129	NTPC ELECTRIC SUPPLY COMPANY LTD.
130	POWER GRID CORPORATION OF INDIA LTD.
131	POWER GRID WARORA TRANSMISSION LTD.
132	POWERGRID NM TRANSMISSION LTD.
133	POWERGRID UNCHAHAR TRANSMISSION LTD.
134	POWERGRID VIZAG TRANSMISSION LTD.
135	REC POWER DISTRIBUTION CO. LTD.
136	REC TRANSMISSION PROJECTS CO. LTD.
<b>SERVICES</b>	
<b>TRADING &amp; MARKETING</b>	
137	ANTRIX CORPORATION LTD.
138	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.
139	COTTON CORPN. OF INDIA LTD.

S. No.	Sector / Cognate Group / CPSE
140	FOOD CORPN. OF INDIA
141	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.
142	HMT (INTERNATIONAL) LTD.
143	INDIA TRADE PROMOTION ORGANISATION
144	KARNATAKA TRADE PROMOTION ORGANISATION
145	M M T C LTD.
146	M S T C LTD.
147	NATIONAL FILM DEV. CORPN. LTD.
148	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.
149	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.
150	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.
151	NTPC VIDYUT VYAPAR NIGAM LTD.
152	P E C LTD.
153	STATE TRADING CORPN. OF INDIA LTD.
154	STCL LTD.
155	TAMIL NADU TRADE PROMOTION ORGANISATION
156	THE JUTE CORPN. OF INDIA LTD.
<b>SERVICES</b>	
<b>TRANSPORT AND LOGISTIC SERVICES</b>	
157	AIR INDIA AIR TRANSPORT SERVICES LTD.
158	AIR INDIA ENGINEERING SERVICES LTD.
159	AIR INDIA EXPRESS LTD.
160	AIR INDIA LTD.
161	AIRLINE ALLIED SERVICES LTD.
162	AIRPORTS AUTHORITY OF INDIA
163	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.
164	CENTRAL RAILSIDE WAREHOUSE CO. LTD.
165	CENTRAL WAREHOUSING CORPN.
166	CONCOR AIR LTD.
167	CONTAINER CORPORATION OF INDIA LTD.
168	DREDGING CORPN. OF INDIA LTD.
169	FRESH & HEALTHY ENTERPRISES LTD.
170	GAIL (INDIA) LTD.
171	GAIL GAS LTD.
172	KAMARAJAR PORT LTD.
173	PAWAN HANS LTD.
174	PETRONET CCK LTD.
175	SHIPPING CORPORATION OF INDIA LTD.
176	SIDCUL CONCOR INFRA COMPANY LTD.
177	TCIL BINA TOLL ROAD LTD.
<b>SERVICES</b>	
<b>CONTRACT &amp; CONSTRUCTION AND TECH. CONSULTANCY SERVICES</b>	
178	AGRINNOVATE INDIA LTD.



S. No.	Sector / Cognate Group / CPSE
179	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.
180	BRIDGE & ROOF CO.(INDIA) LTD.
181	BROADCAST ENGG. CONSULTANTS INDIA LTD.
182	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.
183	CERTIFICATION ENGINEERS INTERNATIONAL LTD.
184	DELHI POLICE HOUSING CORPORATION LTD.
185	EdCIL(India) Ltd.
186	ENGINEERING PROJECTS (INDIA) LTD.
187	ENGINEERS INDIA LTD.
188	HINDUSTAN PREFAB LTD.
189	HINDUSTAN STEELWORKS COSTN. LTD.
190	HLL INFRA TECH SERVICES LTD.
191	HSCC (INDIA) LTD.
192	IIFCL PROJECTS LTD.
193	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.
194	IRCON INFRASTRUCTURE & SERVICES LTD.
195	IRCON INTERNATIONAL LTD.
196	IRCON PB TOLLWAY LTD.
197	IRCON SHIVPURI GUNA TOLLWAY LTD.
198	KONKAN RAILWAY CORPORATION LTD.
199	MECON LTD.
200	MINERAL EXPLORATION CORPN. LTD.
201	MUMBAI RAILWAY VIKAS CORPORATION LTD.
202	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.
203	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.
204	NATIONAL RESEARCH DEVELOPMENT CORPN.
205	NATIONAL SMALL INDUSTRIES CORPN. LTD.
206	NBCC (INDIA) LTD.
207	NBCC ENGINEERING AND CONSULTANCY LTD.
208	NBCC SERVICES LTD.
209	PFC CAPITAL ADVISORY SERVICE LTD.
210	PFC CONSULTING LTD.
211	POWER SYSTEM OPERATION CORPORATION LTD.
212	PROJECTS & DEVELOPMENT INDIA LTD.
213	RAIL VIKAS NIGAM LTD.
214	RAILWAY ENERGY MANAGEMENT COMPANY LTD.
215	rites infrastructure services ltd.
216	rites ltd.
217	SOLAR ENERGY CORPORATION OF INDIA
218	TCIL LAKHNADONE TOLL ROAD LTD.
219	WAPCOS LTD.

S. No.	Sector / Cognate Group / CPSE
	<b>SERVICES</b>
	<b>HOTEL AND TOURIST SERVICES</b>
220	ASSAM ASHOK HOTEL CORPN. LTD.
221	DONYI POLO ASHOK HOTEL LTD.
222	HOTEL CORPN. OF INDIA LTD.
223	INDIA TOURISM DEV. CORPN. LTD.
224	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.
225	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.
226	PONDICHERRY ASHOK HOTEL CORPN. LTD.
227	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.
228	UTKAL ASHOK HOTEL CORPN. LTD.
	<b>SERVICES</b>
	<b>FINANCIAL SERVICES</b>
229	BALMER LAWRIE INVESTMENTS LTD.
230	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL
231	E. C. G. C. LTD.
232	EASTERN INVESTMENT LTD.
233	HOUSING & URBAN DEV. CORPN. LTD.
234	IIFCL ASSET MANAGEMENT COMPANY LTD.
235	INDIA INFRASTRUCTURE FINANCE CO. LTD.
236	INDIA POST PAYMENT BANK LTD
237	INDIAN RAILWAY FINANCE CORPORATION LTD.
238	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.
239	JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD
240	KUMARAKRUPPA FRONTIER HOTELS LTD.
241	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.
242	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.
243	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION
244	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN
245	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.
246	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.
247	PFC GREEN ENERGY LTD.
248	POWER FINANCE CORPORATION LTD.
249	RURAL ELECTRIFICATION CORPN. LTD.
	<b>SERVICES</b>
	<b>TELECOMMUNICATION &amp; INFORMATION TECHNOLOGY</b>
250	BHARAT BROADBAND NETWORK LTD.
251	BHARAT SANCHAR NIGAM LTD.
252	MAHANAGAR TELEPHONE NIGAM LTD.
253	MILLENNIUM TELECOM LTD.
254	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED
255	RAILTEL CORPORATION INDIA LTD.
256	RAILTEL ENTERPRISES LTD.

S. No.	Sector / Cognate Group / CPSE
257	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.
	<b>UNDER CONSTRUCTION</b>
	<b>ENTERPRISES UNDER CONSTRUCTION</b>
258	ANUSHAKTI VIDHYUT NIGAM LTD.
259	BALLABGARH - GN TRANSMISSION CO. LTD.
260	BHARAT PETRO RESOURCES JPDA
261	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.
262	BIHAR INFRAPOWER LTD.
263	BIHAR MEGA POWER LTD.
264	BIJAWAR-VIDARBHA TRANSMISSION LTD
265	BPCL-KIAL FUEL PVT. LTD.
266	BUNDELKHAND SAUR URJA LTD.
267	CHEYUR INFRA LTD.
268	CHHATTISGARH EAST RAILWAYS LTD.
269	CHHATTISGARH EAST-WEST RAILWAYS LTD.
270	CHHATTISGARH MEGA STEEL CO. LTD.
271	CHHATTISGARH SURGUJA POWER LTD.
272	COASTAL KARNATAKA POWER LTD.
273	COASTAL MAHARASHTRA MEGA POWER LTD.
274	COASTAL TAMIL NADU POWER LTD.
275	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.
276	DEOGHAR INFRA LTD.
277	DEOGHAR MEGA POWER LTD.
278	DINGCHANG TRANSMISSION LTD.
279	ERSS XXI TRANSMISSION LTD
280	FATEHGARH BHADLA TRANSMISSION LTD
281	GHATAMPUR TRANSMISSION LTD.
282	GHOARPALLI INTEGRATED POWER COMPANY LTD.
283	GOA-TAMNAR TRANSMISSION PROJECT LTD
284	GRID CONDUCTOR LTD.
285	HIGH SPEED RAIL CORPORATION OF INDIA LTD.
286	HLL MEDIPARK LTD
287	HPCL RAJASTHAN REFINERY LTD.
288	INDIAN CATALYST PVT. LTD.
289	INLAND & COASTAL SHIPPING LTD.
290	JAGDISHPUR PAPER MILLS LTD.
291	JHARKHAND INFRAPOWER LTD.
292	JHARKHAND KOLHAN STEEL LTD.
293	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.
294	KARNATAKA VIJAY NAGAR STEEL LTD.
295	KOHIMA-MARIANI TRANSMISSION LTD.
296	KOLKATA METRO RAIL CORPORATION LTD.
297	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.

S. No.	Sector / Cognate Group / CPSE
298	MAHANADI BASIN POWER LTD.
299	MAMC INDUSTRIES LTD.
300	MEDINIPUR-JEERAT TRANSMISSION LTD.
301	MJSJ COAL LTD.
302	MNH SHAKTI LTD.
303	MOHINDER GARH-BHIWANI TRANSMISSION LTD.
304	NAINI AEROSPACE LTD.
305	NEYVELI UTTAR PRADESH POWER LTD
306	NMDC POWER LTD.
307	NMDC STEEL LTD.
308	NMDC-CMDC LTD.
309	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.
310	NPCIL - NALCO POWER COMPANY LTD.
311	ODISHA INFRAPOWER LTD.
312	OIL INDIA INTERNATIONAL LTD.
313	ORISSA INTEGRATED POWER LTD.
314	POWER EQUITY CAPITAL ADVISORS PVT. LTD.
315	POWER GRID JABALPUR TRANSMISSION LTD.
316	POWER GRID PARLI TRANSMISSION LTD.
317	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.
318	POWER GRID VEMAGIRI TRANSMISSION LTD.
319	POWERGRID KALA AMB TRANSMISSION LTD.
320	PUNJAB ASHOK HOTEL COMPANY LTD.
321	PUNJAB LOGISTIC INFRASTRUCTURE LTD.
322	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.
323	SETHUSAMUDRAM CORPN. LTD.
324	SHONGTONG KARCHAM WANGTOO TRANSMISSION LTD
325	SJVN THERMAL PVT. LTD.
326	SOUTH-CENTRAL EAST DELHI POWER TRANSMISSION LTD.
327	TANDA TRANSMISSION COMPANY LTD.
328	TATIYA ANDHRA MEGA POWER LTD.
329	WR-NR POWER TRANSMISSION LTD
330	YULE ELECTRICAL LTD.
331	YULE ENGINEERING COMPANY LTD.

**CENTRAL PUBLIC SECTOR ENTERPRISES UNDER DIFFERENT STATE/UNION  
TERRITORIES AS ON 31.3.2017**

S. No.	State / CPSE
<b>ANDAMAN &amp; NICOBAR ISLANDS</b>	
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORPLTD
<b>ANDHRA PRADESH</b>	
2	RASHTRIYA ISPAT NIGAM LTD.
<b>ARUNACHAL PRADESH</b>	
3	DONYI POLO ASHOK HOTEL LTD.
<b>ASSAM</b>	
4	ASSAM ASHOK HOTEL CORPN. LTD.
5	BRAHMAPUTRA CRACKERS & POLYMER LTD.
6	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.
7	NORTH EASTERN REGIONAL AGRI. MARKETING CORPLTD.
8	NUMALIGARH REFINERY LTD.
9	OIL INDIA INTERNATIONAL LTD.
10	OIL INDIA LTD.
<b>BIHAR</b>	
11	BHARAT WAGON & ENGG. CO. LTD.
12	HPCL BIOFUELS LTD.
<b>CHANDIGARH</b>	
13	PUNJAB ASHOK HOTEL COMPANY LTD.
14	PUNJAB LOGISTIC INFRASTRUCTURE LTD.
<b>CHHATTISGARH</b>	
15	CHHATTISGARH EAST RAILWAYS LTD.
16	CHHATTISGARH EAST-WEST RAILWAYS LTD.
17	CHHATTISGARH MEGA STEEL CO. LTD.
18	CREDA HPCL BIOFUEL LTD.
19	FERRO SCRAP NIGAM LTD.
20	INDIAN OIL-CREDA BIOFUELS LTD.
21	JHARKHAND KOLHAN STEEL LTD.
22	NMDC STEEL LTD.
23	NMDC-CMDC LTD.
24	SOUTH EASTERN COALFIELDS LTD.
<b>DELHI</b>	
25	AGRINNOVATE INDIA LTD.
26	AIR INDIA AIR TRANSPORT SERVICES LTD.
27	AIR INDIA ENGINEERING SERVICES LTD.
28	AIR INDIA LTD.
29	AIRLINE ALLIED SERVICES LTD.
30	AIRPORTS AUTHORITY OF INDIA

S. No.	State / CPSE
31	BALLABGARH - GN TRANSMISSION CO. LTD.
32	BHARAT BROADBAND NETWORK LTD.
33	BHARAT HEAVY ELECTRICALS LTD.
34	BHARAT SANCHAR NIGAM LTD.
35	BHARTIYA RAIL BIJLEE CO. LTD.
36	BIHAR INFRAPOWER LTD.
37	BIHAR MEGA POWER LTD.
38	BIJAWAR-VIDARBHA TRANSMISSION LTD
39	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL
40	CEMENT CORPN. OF INDIA LTD.
41	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.
42	CENTRAL ELECTRONICS LTD.
43	CENTRAL RAILSIDE WAREHOUSE CO. LTD.
44	CENTRAL WAREHOUSING CORPN.
45	CERTIFICATION ENGINEERS INTERNATIONAL LTD.
46	CHEYUR INFRA LTD.
47	CHHATTISHGARH SURGUJA POWER LTD.
48	COASTAL KARNATAKA POWER LTD.
49	COASTAL MAHARASHTRA MEGA POWER LTD.
50	COASTAL TAMIL NADU POWER LTD.
51	CONCOR AIR LTD.
52	CONTAINER CORPORATION OF INDIA LTD.
53	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.
54	DELHI POLICE HOUSING CORPORATION LTD.
55	DEOGHAR INFRA LTD.
56	DEOGHAR MEGA POWER LTD.
57	DINGCHANG TRANSMISSION LTD.
58	DREDGING CORPN. OF INDIA LTD.
59	EdCIL(India) Ltd.
60	ENGINEERS INDIA LTD.
61	ERSS XXI TRANSMISSION LTD
62	FATEHGARH BHADLA TRANSMISSION LTD
63	FERTILIZER CORPN. OF INDIA LTD.
64	FOOD CORPN. OF INDIA
65	FRESH & HEALTHY ENTERPRISES LTD.
66	GAIL (INDIA) LTD.
67	GAIL GAS LTD.
68	GHATAMPUR TRANSMISSION LTD.
69	GHOARPALLI INTEGRATED POWER COMPANY LTD.
70	GOA-TAMNAR TRANSMISSION PROJECT LTD
71	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.
72	HIGH SPEED RAIL CORPORATION OF INDIA LTD.

S. No.	State / CPSE
73	HINDUSTAN FERTILIZER CORPN. LTD.
74	HINDUSTAN INSECTICIDES LTD.
75	HINDUSTAN PAPER CORPORATION LTD.
76	HINDUSTAN PREFAB LTD.
77	HINDUSTAN SHIPYARD LTD.
78	HOUSING & URBAN DEV. CORPN. LTD.
79	HSCC (INDIA) LTD.
80	IIFCL ASSET MANAGEMENT COMPANY LTD.
81	IIFCL PROJECTS LTD.
82	INDIA INFRASTRUCTURE FINANCE CO. LTD.
83	INDIA POST PAYMENT BANK LTD
84	INDIA TOURISM DEV. CORPN. LTD.
85	INDIA TRADE PROMOTION ORGANISATION
86	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.
87	INDIAN RAILWAY FINANCE CORPORATION LTD.
88	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.
89	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.
90	INDIAN VACCINE CORP. LTD.
91	IRCON INFRASTRUCTURE & SERVICES LTD.
92	IRCON INTERNATIONAL LTD.
93	IRCON PB TOLLWAY LTD.
94	IRCON SHIVPURI GUNA TOLLWAY LTD.
95	JHARKHAND INFRAPOWER LTD.
96	KANTI BIJLEE UTPADAN NIGAM LTD.
97	KOHIMA-MARIANI TRANSMISSION LTD.
98	KUMARAKRUPPA FRONTIER HOTELS LTD.
99	M M T C LTD.
100	MAHANAGAR TELEPHONE NIGAM LTD.
101	MEDINIPUR-JEERAT TRANSMISSION LTD.
102	MOHINDER GARH-BHIWANI TRANSMISSION LTD.
103	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.
104	NATIONAL FERTILIZERS LTD.
105	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.
106	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.
107	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED
108	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION
109	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.
110	NATIONAL RESEARCH DEVELOPMENT CORPN.
111	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN
112	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.
113	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.
114	NATIONAL SEEDS CORPN. LTD.



S. No.	State / CPSE
115	NATIONAL SMALL INDUSTRIES CORPN. LTD.
116	NATIONAL TEXTILE CORPN. LTD.
117	NBCC (INDIA) LTD.
118	NBCC ENGINEERING AND CONSULTANCY LTD.
119	NBCC SERVICES LTD.
120	NTPC ELECTRIC SUPPLY COMPANY LTD.
121	NTPC LTD.
122	NTPC VIDYUT VYAPAR NIGAM LTD.
123	NUCLEAR POWER CORPN. OF INDIA LTD.
124	ODISHA INFRAPOWER LTD.
125	OIL & NATURAL GAS CORPORATION LTD.
126	ONGC VIDESH LTD.
127	ORISSA INTEGRATED POWER LTD.
128	P E C LTD.
129	PATRATU VIDYUT UTPADAN NIGAM LTD.
130	PAWAN HANS LTD.
131	PFC CAPITAL ADVISORY SERVICE LTD.
132	PFC CONSULTING LTD.
133	PFC GREEN ENERGY LTD.
134	POWER EQUITY CAPITAL ADVISORS PVT. LTD.
135	POWER FINANCE CORPORATION LTD.
136	POWER GRID CORPORATION OF INDIA LTD.
137	POWER GRID JABALPUR TRANSMISSION LTD.
138	POWER GRID PARLI TRANSMISSION LTD.
139	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.
140	POWER GRID WARORA TRANSMISSION LTD.
141	POWER SYSTEM OPERATION CORPORATION LTD.
142	POWERGRID KALA AMB TRANSMISSION LTD.
143	POWERGRID NM TRANSMISSION LTD.
144	POWERGRID UNCHAHAR TRANSMISSION LTD.
145	POWERGRID VIZAG TRANSMISSION LTD.
146	PRIZE PETROLEUM COMPANY LTD.
147	RAIL VIKAS NIGAM LTD.
148	RAILTEL CORPORATION INDIA LTD.
149	RAILWAY ENERGY MANAGEMENT COMPANY LTD.
150	REC POWER DISTRIBUTION CO. LTD.
151	REC TRANSMISSION PROJECTS CO. LTD.
152	RITES INFRASTRUCTURE SERVICES LTD.
153	RITES LTD.
154	RURAL ELECTRIFICATION CORPN. LTD.
155	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.
156	SECURITY PRINTING & MINTING CORPN. INDIA LTD.

S. No.	State / CPSE
157	SHONGTONG KARCHAM WANGTOO TRANSMISSION LTD
158	SIDCUL CONCOR INFRA COMPANY LTD.
159	SOLAR ENERGY CORPORATION OF INDIA
160	SOUTH-CENTRAL EAST DELHI POWER TRANSMISSION LTD.
161	STATE TRADING CORPN. OF INDIA LTD.
162	STEEL AUTHORITY OF INDIA LTD.
163	TANDA TRANSMISSION COMPANY LTD.
164	TATTIYA ANDHRA MEGA POWER LTD.
165	TCIL BINA TOLL ROAD LTD.
166	TCIL LAKHNADONE TOLL ROAD LTD.
167	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.
168	WAPCOS LTD.
169	WR-NR POWER TRANSMISSION LTD
<b>GOA</b>	
170	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.
171	GOA SHIPYARD LTD.
<b>GUJRAT</b>	
172	INDIAN CATALYST PVT. LTD.
<b>HARYANA</b>	
173	GRID CONDUCTOR LTD.
174	INDIAN DRUGS & PHARMACEUTICALS LTD.
175	NHPC LTD.
176	POWER GRID VEMAGIRI TRANSMISSION LTD.
177	RAILTEL ENTERPRISES LTD.
<b>HIMACHAL PRADESH</b>	
178	SJVN LTD.
179	SJVN THERMAL PVT. LTD.
<b>JAMMU &amp; KASHMIR</b>	
180	HMT CHINAR WATCHES LTD.
181	J & K MINERAL DEVELOPMENT CORPN. LTD.
182	JAMMU & KASHMIR DEVELOPMENT FINANCE CORPORATION LTD
<b>JHARKHAND</b>	
183	BHARAT COKING COAL LTD.
184	CENTRAL COALFIELDS LTD.
185	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.
186	ENGINEERING PROJECTS (INDIA) LTD.
187	HEAVY ENGINEERING CORPN. LTD.
188	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.
189	MECON LTD.
190	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.
191	URANIUM CORPORATION OF INDIA LTD.
<b>KARNATAKA</b>	

S. No.	State / CPSE
192	ANTRIX CORPORATION LTD.
193	BEL-THALES SYSTEMS LTD.
194	BEML LTD.
195	BHARAT ELECTRONICS LTD.
196	HINDUSTAN AERONAUTICS LTD.
197	HMT (INTERNATIONAL) LTD.
198	HMT LTD.
199	HMT MACHINE TOOLS LTD.
200	HMT WATCHES LTD.
201	ITI LTD.
202	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.
203	KARNATAKA TRADE PROMOTION ORGANISATION
204	KARNATAKA VIJAY NAGAR STEEL LTD.
205	KIOCL LTD.
206	MANGALORE REFINERY & PETROCHEMICALS LTD.
207	NAINI AEROSPACE LTD.
208	ONGC MANGALORE PETROCHEMICALS LTD.
209	STCL LTD.
210	TUNGABHADRA STEEL PRODUCTS LTD.
211	VIGNYAN INDUSTRIES LTD.
<b>KERALA</b>	
212	BHEL ELECTRICAL MACHINES LTD.
213	BPCL-KIAL FUEL PVT. LTD.
214	COCHIN SHIPYARD LTD.
215	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.
216	HINDUSTAN NEWSPRINT LTD.
217	HLL BIOTECH LTD.
218	HLL INFRA TECH SERVICES LTD.
219	HLL LIFECARE LTD.
220	HLL MEDIPARK LTD.
221	PETRONET CCK LTD.
<b>MADHYA PRADESH</b>	
222	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.
223	NEPA LTD.
224	NHDC LTD.
225	NORTHERN COALFIELDS LTD.
<b>MAHARASHTRA</b>	
226	AIR INDIA EXPRESS LTD.
227	ANUSHAKTI VIDHYUT NIGAM LTD.
228	BEL OPTRONICS DEVICES LTD.
229	BHARAT PETRO RESOURCES JPDA
230	BHARAT PETRO RESOURCES LTD.

S. No.	State / CPSE
231	BHARAT PETROLEUM CORPN. LTD.
232	COTTON CORPN. OF INDIA LTD.
233	E. C. G. C. LTD.
234	HINDUSTAN ANTIBIOTICS LTD.
235	HINDUSTAN ORGANIC CHEMICALS LTD.
236	HINDUSTAN PETROLEUM CORPN. LTD.
237	HOTEL CORPN. OF INDIA LTD.
238	INDIAN OIL CORPORATION LTD.
239	INDIAN RARE EARTHS LTD.
240	KONKAN RAILWAY CORPORATION LTD.
241	MAZAGON DOCK SHIPBUILDERS LTD.
242	MILLENNIUM TELECOM LTD.
243	MINERAL EXPLORATION CORPN. LTD.
244	MOIL LTD.
245	MUMBAI RAILWAY VIKAS CORPORATION LTD.
246	NATIONAL FILM DEV. CORPN. LTD.
247	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.
248	NPCIL - NALCO POWER COMPANY LTD.
249	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.
250	RICHARDSON & CRUDDAS(1972) LTD.
251	SHIPPING CORPORATION OF INDIA LTD.
252	WESTERN COALFIELDS LTD.
<b>MANIPUR</b>	
253	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.
<b>MEGHALAYA</b>	
254	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.
255	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
<b>NAGALAND</b>	
256	NAGALAND PULP & PAPER COMPANY LTD.
<b>ORISSA</b>	
257	MAHANADI BASIN POWER LTD.
258	MAHANADI COALFIELDLS LTD.
259	MJSJ COAL LTD.
260	MNH SHAKTI LTD.
261	NATIONAL ALUMINIUM COMPANY LTD.
262	ORISSA DRUGS & CHEMICALS LTD.
263	UTKAL ASHOK HOTEL CORPN. LTD.
<b>PONDICHERRY</b>	
264	PONDICHERRY ASHOK HOTEL CORPN. LTD.
<b>RAJASTHAN</b>	
265	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.
266	HINDUSTAN SALTS LTD.

S. No.	State / CPSE
267	HPCL RAJASTHAN REFINERY LTD.
268	INSTRUMENTATION LTD.
269	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.
270	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.
271	SAMBHAR SALTS LTD.
<b>TAMILNADU</b>	
272	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.
273	CHENNAI PETROLEUM CORPORATION LTD.
274	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.
275	IDPL (TAMILNADU) LTD.
276	KAMARAJAR PORT LTD.
277	MADRAS FERTILIZERS LTD.
278	NLC INDIA LTD.
279	NLC TAMIL NADU POWER LTD.
280	SAIL REFRACTORY COMPANY LTD.
281	SETHUSAMUDRAM CORPN. LTD.
282	TAMIL NADU TRADE PROMOTION ORGANISATION
<b>TELANGANA</b>	
283	BHARAT DYNAMICS LTD.
284	ELECTRONICS CORPN. OF INDIA LTD.
285	HINDUSTAN FLUOROCARBONS LIMITED
286	HMT BEARINGS LTD.
287	MISHRA DHATU NIGAM LTD.
288	NMDC Ltd.
289	NMDC POWER LTD.
<b>UTTAR PRADESH</b>	
290	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA
291	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.
292	BHARAT PUMPS & COMPRESSORS LTD.
293	BRITISH INDIA CORPORATION LTD.
294	BROADCAST ENGG. CONSULTANTS INDIA LTD.
295	BUNDELKHAND SAUR URJA LTD.
296	JAGDISHPUR PAPER MILLS LTD.
297	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.
298	NEYVELI UTTAR PRADESH POWER LTD
299	PROJECTS & DEVELOPMENT INDIA LTD.
300	SCOOTERS INDIA LTD.
<b>UTTARANCHAL</b>	
301	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.
302	THDC INDIA LTD.
<b>WEST BENGAL</b>	
303	ANDREW YULE & COMPANY LTD.

S. No.	State / CPSE
304	BALMER LAWRIE & CO. LTD.
305	BALMER LAWRIE INVESTMENTS LTD.
306	BENGAL CHEMICALS & PHARMACEUTICALS LTD.
307	BIRDS JUTE & EXPORTS LTD.
308	BRAITHWAITE & CO. LTD.
309	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.
310	BRIDGE & ROOF CO.(INDIA) LTD.
311	BURN STANDARD COMPANY LTD.
312	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.
313	COAL INDIA LTD.
314	EASTERN COALFIELDS LTD.
315	EASTERN INVESTMENT LTD.
316	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.
317	HINDUSTAN CABLES LTD.
318	HINDUSTAN COPPER LTD.
319	HINDUSTAN STEELWORKS COSTN. LTD.
320	HOOGLY DOCK AND PORT ENGINEERS LTD.
321	HOOGLY PRINTING COMPANY LTD.
322	INLAND & COASTAL SHIPPING LTD.
323	KOLKATA METRO RAIL CORPORATION LTD.
324	M S T C LTD.
325	MAMC INDUSTRIES LTD.
326	NATIONAL JUTE MANUFACTURES CORPORATION LTD.
327	ORISSA MINERAL DEVELOPMENT COMPANY LTD.
328	THE BISRA STONE LIME COMPANY LTD.
329	THE JUTE CORPN. OF INDIA LTD.
330	YULE ELECTRICAL LTD.
331	YULE ENGINEERING COMPANY LTD.

## LIST OF IND-AS APPLICABLE CPSES FROM FY 2016-17

S. No.	Name of CPSE
1	ANTRIX CORPORATION LTD.
2	BALMER LAWRIE & CO. LTD.
3	BEL OPTRONICS DEVICES LTD.
4	BEL-THALES SYSTEMS LTD.
5	BEML LTD.
6	BHARAT COKING COAL LTD.
7	BHARAT DYNAMICS LTD.
8	BHARAT ELECTRONICS LTD.
9	BHARAT HEAVY ELECTRICALS LTD.
10	BHARAT PETRO RESOURCES LTD.
11	BHARAT PETROLEUM CORPN. LTD.
12	BHARAT SANCHAR NIGAM LTD.
13	BHARTIYA RAIL BIJLEE CO. LTD.
14	BHEL ELECTRICAL MACHINES LTD.
15	BRAHAMPUTRA CRACKERS & POLYMER LTD.
16	CENTRAL COALFIELDS LTD.
17	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.
18	CERTIFICATION ENGINEERS INTERNATIONAL LTD.
19	CHENNAI PETROLEUM CORPORATION LTD.
20	COAL INDIA LTD.
21	COCHIN SHIPYARD LTD.
22	CONCOR AIR LTD.
23	CONTAINER CORPORATION OF INDIA LTD.
24	CREDA HPCL BIOFUEL LTD.
25	DREDGING CORPN. OF INDIA LTD.
26	EASTERN COALFIELDS LTD.
27	ELECTRONICS CORPN. OF INDIA LTD.
28	ENGINEERS INDIA LTD.
29	FERRO SCRAP NIGAM LTD.
30	FRESH & HEALTHY ENTERPRISES LTD.
31	GAIL (INDIA) LTD.
32	GAIL GAS LTD.
33	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.
34	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.
35	GOA SHIPYARD LTD.
36	HINDUSTAN AERONAUTICS LTD.
37	HINDUSTAN COPPER LTD.



S. No.	Name of CPSE
38	HINDUSTAN NEWSPRINT LTD.
39	HINDUSTAN PETROLEUM CORPN. LTD.
40	HLL BIOTECH LTD.
41	HLL INFRA TECH SERVICES LTD.
42	HLL LIFECARE LTD.
43	HMT (INTERNATIONAL) LTD.
44	HMT BEARINGS LTD.
45	HMT CHINAR WATCHES LTD.
46	HMT LTD.
47	HMT MACHINE TOOLS LTD.
48	HMT WATCHES LTD.
49	HPCL BIOFUELS LTD.
50	IDPL (TAMILNADU) LTD.
51	INDIA TRADE PROMOTION ORGANISATION
52	INDIAN OIL CORPORATION LTD.
53	INDIAN OIL-CREDA BIOFUELS LTD.
54	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.
55	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.
56	INDIAN RARE EARTHS LTD.
57	IRCON INFRASTRUCTURE & SERVICES LTD.
58	IRCON INTERNATIONAL LTD.
59	IRCON PB TOLLWAY LTD.
60	IRCON SHIVPURI GUNA TOLLWAY LTD.
61	J & K MINERAL DEVELOPMENT CORPN. LTD.
62	KAMARAJAR PORT LTD.
63	KANTI BIJLEE UTPADAN NIGAM LTD.
64	KARNATAKA TRADE PROMOTION ORGANISATION
65	KIOCL LTD.
66	KONKAN RAILWAY CORPORATION LTD.
67	M M T C LTD.
68	M S T C LTD.
69	MAHANADI COALFIELDLS LTD.
70	MAHANAGAR TELEPHONE NIGAM LTD.
71	MANGALORE REFINERY & PETROCHEMICALS LTD.
72	MAZAGON DOCK SHIPBUILDERS LTD.
73	MILLENNIUM TELECOM LTD.
74	MISHRA DHATU NIGAM LTD.
75	MOIL LTD.
76	NATIONAL ALUMINIUM COMPANY LTD.
77	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.

S. No.	Name of CPSE
78	NATIONAL FERTILIZERS LTD.
79	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED
80	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION
81	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN
82	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.
83	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.
84	NATIONAL SEEDS CORPN. LTD.
85	NATIONAL TEXTILE CORPN. LTD.
86	NBCC (INDIA) LTD.
87	NBCC ENGINEERING AND CONSULTANCY LTD.
88	NBCC SERVICES LTD.
89	NHDC LTD.
90	NHPC LTD.
91	NLC INDIA LTD.
92	NLC TAMIL NADU POWER LTD.
93	NMDC Ltd.
94	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
95	NORTHERN COALFIELDS LTD.
96	NTPC ELECTRIC SUPPLY COMPANY LTD.
97	NTPC LTD.
98	NTPC VIDYUT VYAPAR NIGAM LTD.
99	NUCLEAR POWER CORPN. OF INDIA LTD.
100	NUMALIGARH REFINERY LTD.
101	OIL & NATURAL GAS CORPORATION LTD.
102	OIL INDIA LTD.
103	ONGC MANGALORE PETROCHEMICALS LTD.
104	ONGC VIDESH LTD.
105	ORISSA MINERAL DEVELOPMENT COMPANY LTD.
106	PATRATU VIDYUT UTPADAN NIGAM LTD.
107	PAWAN HANS LTD.
108	PETRONET CCK LTD.
109	POWER GRID CORPORATION OF INDIA LTD.
110	POWER GRID WARORA TRANSMISSION LTD.
111	POWER SYSTEM OPERATION CORPORATION LTD.
112	POWERGRID NM TRANSMISSION LTD.
113	POWERGRID UNCHAHAR TRANSMISSION LTD.
114	POWERGRID VIZAG TRANSMISSION LTD.
115	PRIZE PETROLEUM COMPANY LTD.
116	RAIL VIKAS NIGAM LTD.
117	RAILTEL CORPORATION INDIA LTD.

S. No.	Name of CPSE
118	RAILTEL ENTERPRISES LTD.
119	RAILWAY ENERGY MANAGEMENT COMPANY LTD.
120	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.
121	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.
122	RASHTRIYA ISPAT NIGAM LTD.
123	RITES INFRASTRUCTURE SERVICES LTD.
124	RITES LTD.
125	SAIL REFRACTORY COMPANY LTD.
126	SECURITY PRINTING & MINTING CORPN. INDIA LTD.
127	SHIPPING CORPORATION OF INDIA LTD.
128	SIDCUL CONCOR INFRA COMPANY LTD.
129	SJVN LTD.
130	SOUTH EASTERN COALFIELDS LTD.
131	STEEL AUTHORITY OF INDIA LTD.
132	TAMIL NADU TRADE PROMOTION ORGANISATION
133	TCIL BINA TOLL ROAD LTD.
134	TCIL LAKHNADONE TOLL ROAD LTD.
135	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.
136	THDC INDIA LTD.
137	THE BISRA STONE LIME COMPANY LTD.
138	URANIUM CORPORATION OF INDIA LTD.
139	VIGNYAN INDUSTRIES LTD.
140	WESTERN COALFIELDS LTD.

**CENTRAL PUBLIC SECTOR ENTERPRISES WHOSE DATA HAS BEEN TREATED  
AS PROVISIONAL IN 2016-17**

S. No.	CPSE	Ministry Name	Remarks
<b>A: CENTRAL PUBLIC SECTOR ENTERPRISES WHICH HAVE NOT FURNISHED AUDITED DATA FOR 2016-17</b>			
1	AIR INDIA LTD.	M/o of Civil Aviation	Approved for disinvestment
2	BHARAT PUMPS & COMPRESSORS LTD.	M/o of heavy industries and public enterprises	Approved for disinvestment
3	BRITISH INDIA CORPORATION LTD.	M/o of Textiles	
4	FOOD CORPN. OF INDIA	M/o of Consumer Affairs, Food and Public Distribution	
5	HINDUSTAN ANTIBIOTICS LTD.	M/o of Chemicals and Fertilizers	Approved for disinvestment
6	HSCC (INDIA) LTD.	M/o of Health and Family Welfare	
7	IDPL (TAMILNADU) LTD.	M/o of Chemicals and Fertilizers	
8	INDIAN DRUGS & PHARMACEUTICALS LTD.	M/o of Chemicals and Fertilizers	
9	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	M/o of Ayush	Approved for disinvestment
10	INSTRUMENTATION LTD.	M/o of heavy industries and public enterprises	Union Cabinet in its meeting held on 30.11.2016 decided for closure of Kota Unit and in principal approval for transfer of Palakkad unit of company to Government of Kerala in a time bound manner as per DPE Guidelines dated 07.9.2016 of closure
11	PAWAN HANS LTD.	M/o of Civil Aviation	Approved for disinvestment
<b>B: CENTRAL PUBLIC SECTOR ENTERPRISES WHICH HAVE NOT FURNISHED DATA FOR 2016-17</b>			
12	AIR INDIA AIR TRANSPORT SERVICES LTD.	M/o of Civil Aviation	Approved for disinvestment
13	AIR INDIA ENGINEERING SERVICES LTD.	M/o of Civil Aviation	Approved for disinvestment
14	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	M/o of Environment, Forest Climate Change	Under Closure
15	ASSAM ASHOK HOTEL CORPN. LTD.	M/o of Tourism	ITDC (Holding Co.) has transferred its 51% equity to State Government on 29th June, 2017.
16	HINDUSTAN PAPER CORPORATION LTD.	M/o of heavy industries and public enterprises	
17	NAGALAND PULP & PAPER COMPANY LTD.	M/o of heavy industries and public enterprises	The company was registered with BIFR. As the rehabilitation plan sanctioned by the BIFR could not take off within the stipulated time period, the management approached GOI with a revised rehabilitation program which got approved on 04.06.2013. The mill is under revivall and upgradation plan.
18	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	M/o of North Eastern Region	Data of this CPSE was also repeated during 2015-16
19	ORISSA DRUGS & CHEMICALS LTD.	M/o of Chemicals and Fertilizers	BIFR passed orders for winding up in 2003.High Court of Orissa had appointed a provisional Liquidator which has been stayed by a larger bench of the Odisha High Court.
20	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	M/o of Chemicals and Fertilizers	Under Closure
21	TUNGABHADRA STEEL PRODUCTS LTD.	M/o of heavy industries and public enterprises	Cabinet Committee on Economic Affairs in its meeting held on 22.12.2015 approved the closure of Company and to relieve all the employees on VRS and disposal of movable/immovable assets. Data of this CPSE was also repeated during 2015-16.

## LIST OF UNDER CONSTRUCTION CPSEs AS ON 31.3.2017

₹ in crore

S. No.	CPSEs	Status	Year of Incorporation	Authroised Capital	Paid-up Capital
1	ANUSHAKTI VIDHYUT NIGAM LTD.	Subsidiary	2011	5	0.1
2	BALLABGARH - GN TRANSMISSION CO. LTD.	Subsidiary	2013	0.05	0.05
3	BHARAT PETRO RESOURCES JPDA	Subsidiary	2006	60	60
4	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	Holding	2003	5000	4588.2
5	BIHAR INFRAPOWER LTD.	Subsidiary	2015	0.05	0.05
6	BIHAR MEGA POWER LTD.	Subsidiary	2015	0.05	0.05
7	BIJAWAR-VIDARBHA TRANSMISSION LTD	Subsidiary	2017	0	0
8	BPCL-KIAL FUEL PVT. LTD.	Subsidiary	2015	18	6
9	BUNDELKHAND SAUR URJA LTD.	Subsidiary	2014	10	0
10	CHEYYUR INFRA LTD.	Subsidiary	2014	0.05	0.05
11	CHHATTISGARH EAST RAILWAYS LTD.	Subsidiary	2013	650	306
12	CHHATTISGARH EAST-WEST RAILWAYS LTD.	Subsidiary	2013	1110	504.06
13	CHHATTISGARH MEGA STEEL CO. LTD.	Subsidiary	2015	0.05	0.05
14	CHHATTISHGARH SURGUJA POWER LTD.	Subsidiary	2006	0.05	0.05
15	COASTAL KARNATAKA POWER LTD.	Subsidiary	2006	0.05	0.05
16	COASTAL MAHARASHTRA MEGA POWER LTD.	Subsidiary	2006	0.05	0.05
17	COASTAL TAMIL NADU POWER LTD.	Subsidiary	2007	0.05	0.05
18	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	Holding	2007	8000	7658.27
19	DEOGHAR INFRA LTD.	Subsidiary	2015	0.05	0.05
20	DEOGHAR MEGA POWER LTD.	Subsidiary	2012	0.05	0.05
21	DINGCHANG TRANSMISSION LTD.	Subsidiary	2015	0.05	0.05
22	ERSS XXI TRANSMISSION LTD	Subsidiary	2017	0	0
23	FATEHGARH BHADLA TRANSMISSION LTD	Subsidiary	2016	0.01	0.01
24	GHATAMPUR TRANSMISSION LTD.	Subsidiary	2016	0.05	0.05
25	GHOARPALLI INTEGRATED POWER COMPANY LTD.	Subsidiary	2009	0.05	0.05
26	GOA-TAMNAR TRANSMISSION PROJECT LTD	Subsidiary	2017	0	0
27	GRID CONDUCTOR LTD.	Subsidiary	2015	0	0
28	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	Subsidiary	2012	5	0.11
29	HLL MEDIPARK LTD	Subsidiary	2016	0.5	0.1
30	HPCL RAJASTHAN REFINERY LTD.	Subsidiary	2012	4000	0.05
31	INDIAN CATALYST PVT. LTD.	Subsidiary	2006	100	15.93

S. No.	CPSEs	Status	Year of Incorporation	Authroised Capital	Paid-up Capital
32	INLAND & COASTAL SHIPPING LTD.	Holding	2016	10	0.05
33	JAGDISHPUR PAPER MILLS LTD.	Subsidiary	2008	5	0.05
34	JHARKHAND INFRAPOWER LTD.	Subsidiary	2015	0.05	0.05
35	JHARKHAND KOLHAN STEEL LTD.	Subsidiary	2015	0.01	0.01
36	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.	Subsidiary	2012	1	0.01
37	KARNATAKA VIJAY NAGAR STEEL LTD.	Subsidiary	2014	0.01	0.01
38	KOHIMA-MARIANI TRANSMISSION LTD.	Subsidiary	2016	0.01	0.01
39	KOLKATA METRO RAIL CORPORATION LTD.	Holding	2010	1400	1060.5
40	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	Subsidiary	2009	230	117.69
41	MAHANADI BASIN POWER LTD.	Subsidiary	2012	0.05	0.05
42	MAMC INDUSTRIES LTD.	Subsidiary	2010	0	0
43	MEDINIPUR-JEERAT TRANSMISSION LTD.	Subsidiary	2016	0.01	0.01
44	MJSJ COAL LTD.	Subsidiary	2009	200	95.1
45	MNH SHAKTI LTD.	Subsidiary	2009	100	85.1
46	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	Subsidiary	2014	0.05	0.05
47	NAINI AEROSPACE LTD.	Subsidiary	2016	30	30
48	NEYVELI UTTAR PRADESH POWER LTD	Subsidiary	2012	5000	904.4
49	NMDC POWER LTD.	Subsidiary	2011	1	0.55
50	NMDC STEEL LTD.	Subsidiary	2015	0.01	0.01
51	NMDC-CMDC LTD.	Subsidiary	2008	200	70.26
52	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.	Subsidiary	2012	10	1
53	NPCIL - NALCO POWER COMPANY LTD.	Subsidiary	2012	1	0.1
54	ODISHA INFRAPOWER LTD.	Subsidiary	2014	0.05	0.05
55	OIL INDIA INTERNATIONAL LTD.	Subsidiary	2012	500	100
56	ORISSA INTEGRATED POWER LTD.	Subsidiary	2006	0.05	0.05
57	POWER EQUITY CAPITAL ADVISORS PVT. LTD.	Subsidiary	2008	0	0
58	POWER GRID JABALPUR TRANSMISSION LTD.	Subsidiary	2014	20	0.15
59	POWER GRID PARLI TRANSMISSION LTD.	Subsidiary	2014	20	0.1
60	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	Subsidiary	2015	1	0.05
61	POWER GRID VEMAGIRI TRANSMISSION LTD.	Subsidiary	2011	0	0

S. No.	CPSEs	Status	Year of Incorporation	Authroised Capital	Paid-up Capital
62	POWERGRID KALA AMB TRANSMISSION LTD.	Subsidiary	2014	5	1.05
63	PUNJAB ASHOK HOTEL COMPANY LTD.	Subsidiary	1998	3	2.5
64	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	Subsidiary	2014	200	168.51
65	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	Subsidiary	2009	0.05	0.05
66	SETHUSAMUDRAM CORPN. LTD.	Holding	2004	1000	745
67	SHONGTONG KARCHAM WANGTOO TRANSMISSION LTD	Subsidiary	2017	0	0
68	SJVN THERMAL PVT. LTD.	Subsidiary	1988	3000	436.68
69	SOUTH-CENTRAL EAST DELHI POWER TRANSMISSION LTD.	Subsidiary	2015	0.05	0.05
70	TANDA TRANSMISSION COMPANY LTD.	Subsidiary	2013	0.05	0.05
71	TATTYA ANDHRA MEGA POWER LTD.	Subsidiary	2010	0.05	0.05
72	WR-NR POWER TRANSMISSION LTD	Subsidiary	2017	0	0
73	YULE ELECTRICAL LTD.	Subsidiary	2007	150	0.05
74	YULE ENGINEERING COMPANY LTD.	Subsidiary	2007	3	0.05



## List of CPSEs which have been Added/ Deleted during the year 2016-17

## New CPSEs Added during the year 2016-17

SI No	Name of CPSEs	Ministry Name	Remarks
1	MAMC Industries Ltd	M/o of Defence	Under Construction
2	Naini Aerospace Ltd	M/o of Defence	Under Construction
3	HLL Medipark Ltd	M/o of Health & Family Welfare	Under Construction
4	Grid Conductor Ltd	Ministry Of Power	Under Construction
5	Fatehgarh Bhadla Transmission Ltd	Ministry Of Power	Under Construction
6	Bijawar-Vidarbha Transmission Ltd	Ministry Of Power	Under Construction
7	Shongtong Karcham Wangtoo Transmission Ltd	Ministry Of Power	Under Construction
8	Goa-Tamnar Transmission Project Ltd	Ministry Of Power	Under Construction
9	Inland & Coastal Shipping Limited	M/o Shipping	Under Construction
10	Jammu & Kashmir Development Finance Corporation (JKDFC)	Ministry of Commerce and Industry	Operating
11	Ghatampur Transmission Ltd.	Ministry Of Power	Under Construction
12	ERSS XXI Transmission Ltd	Ministry Of Power	Under Construction
13	WR-NR Power Transmission Ltd	Ministry Of Power	Under Construction
14	India Post Payment Bank Ltd	Ministry of Communications and Information Technology	Operating
15	Power Equity Capital Advisors Private Ltd	Ministry Of Power	Under Construction
16	Power Grid Vemagiri Transmission Ltd	Ministry Of Power	Under Construction
17	Chhattisgarh East-West Railways Ltd	Ministry Of Coal	Under Construction

## CPSEs Deleted/closed during the year 2016-17

SI No.	Name of CPSEs	Ministry Name	Remarks
1	Baira Siul Sarna Transmission Ltd	Ministry Of Power	Dissolved
2	Khargone Transmission Ltd	Ministry Of Power	Taken over by M/s Sterlite Grid 4 Limited
3	Nellore Transmission Ltd	Ministry Of Power	Dissolved
4	NER-II Transmission Ltd	Ministry Of Power	Taken over by M/s Sterlite Grid 4 Limited
5	North Karanpura Transo Ltd	Ministry Of Power	Taken over by M/s Adani Transmission Limited
6	NRSS XXXVI Transmission Ltd	Ministry Of Power	Taken over by M/s Adani Transmission Limited

GLOSSARY OF CERTAIN TERMS USED IN THIS REPORT

1. **Capital Employed** means total share capital fund and long term Borrowings
2. **Share capital funds** consists of paid up capital, Reserves & Surplus, Money received against share warrant and Share application money pending allotment.
3. **Working Capital** means current assets less current liabilities
4. **Investment** (Financial) means paid-up capital, share application money pending allotment, Money received against Share Warrants and long term borrowings
5. **Gross Block** represents original cost of procuring and erecting fixed assets (tangible and intangible) as appearing in the annual accounts of the CPSEs at the end of the accounting year and takes into account additions thereto and deduction there from by way of sales and transfers and Capital-Work-In progress and Intangible Assets under development.
6. **Gross Turnover/Revenue** means the revenue from operations including sale of products (Interest income in case of Financial Enterprises), Sale of Services and other operating revenue (Revenue from other Financial Services in case of Financial Enterprises) and include excise duty.
7. **Total Revenue** means Net Turnover (excluding excise duty) and includes other income also.
8. **Cost of Sales** means total expenditure incurred on production/ operation and includes depreciation, depletion & amortization, impairment excluding loss on sale of assets / Investments.
9. **Net Worth** means paid-up capital, money received against share warrants, share application money pending allotment and reserves & surplus less Reserves created out of revaluation of assets, write-back of depreciation & amalgamation.
10. **Net Value Addition** consists of Profit before tax (PBT), salaries and wages, royalty/rent/cess and interest payment and indirect taxes and duties (net of subsidies).
11. **Profit Before Depreciation, Depletion & Amortization, Impairment, Interest, Exceptional and Extraordinary items and Taxes and (PBDIIIEET)/Gross Margin:** This represents excess of income over expenditure before providing for depreciation, depletion & amortization, impairment, interest / finance cost, exceptional items and extra ordinary items and taxes.
12. **Profit Before Interest, Exceptional, Extraordinary items and Taxes, (PBIEET)/Gross Profit** means excess of income over expenditure before providing for interest finance cost, exceptional items and extra ordinary items and taxes.
13. **Profit Before Exceptional, Extraordinary Items and Taxes, (PBEET)** means excess of income over expenditure before providing for exceptional items and extra ordinary items and taxes.
14. **Net profit / Loss** means excess of total income over expenditure after providing for depreciation, depletion, impairment, interest, exceptional items, extra ordinary items and taxes.

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