



# देश में कार्यान्वित ताप विद्युत परियोजनाओं की प्रगति का पुनर्वलोकन



## REVIEW OF PROGRESS OF THERMAL POWER PROJECTS UNDER EXECUTION IN THE COUNTRY

155 वाँ त्रैमासिक पुनर्वलोकन  
(अप्रैल-जून, 2016)

**155<sup>th</sup> QUARTERLY REVIEW**  
(April to June, 2016)

केन्द्रीय विद्युत प्राधिकरण  
विद्युत मंत्रालय  
भारत सरकार  
नई दिल्ली

**CENTRAL ELECTRICITY AUTHORITY  
MINISTRY OF POWER  
GOVERNMENT OF INDIA  
NEW DELHI**

**जुलाई, 2016  
July, 2016**

(विद्युत अधिनियम, 2003 की धारा ७३ (एफ) के तहत के.वि.प्रा. के दायित्व की पूर्णता के लिये संकलित)  
(In fulfillment of CEA's obligation under section 73(f) of Electricity

## **FOREWORD**

Central Electricity Authority (CEA) has been bringing out Quarterly Review of the progress of works on various sanctioned thermal power projects under implementation in the country. The present quarterly review, 155<sup>th</sup> in the series (for the period April – June, 2016) gives the details of thermal power projects commissioned during 11<sup>th</sup> plan and Quarterwise of the First, Second, Third, Fourth & Fifth Year of 12<sup>th</sup> Plan in the country. This review also provides information in respect of thermal power projects under construction for commissioning during 12<sup>th</sup> plan and beyond.

CEA has been rendering assistance to various stake holders in timely commissioning of the project and even in pre-ponelement of the project commissioning. We would like to welcome you for sharing your experiences, high standards of achievements and the constraints in project implementation. We shall endeavour to resolve the issues to the benefit of the project and therefore, request you to feel free in reporting the same for initiating the suitable remedial measures.

The quarterly review has been brought out by CEA on the basis of data received from various project authorities, visits made by the CEA engineers to different power projects and discussions held with the executing agencies and suppliers of equipments from time to time. Project authorities are requested to intimate the latest status of their projects in case the status indicated in this review has changed in any manner so that the same could be incorporated in the subsequent issues.

We whole-heartedly welcome suggestions/feed back for further improvement in the quarterly review.

**(Phool Chandra)**  
**Chief Engineer (TPM-II)**

# Index

| Sl.NO   | CONTENTS                                                                                                                                                                                  | PAGE NO |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 1.0     | Executive Summary                                                                                                                                                                         | 1       |
| 1.2.    | 11 <sup>th</sup> Plan Capacity Addition Target                                                                                                                                            | 1       |
| 1.2.1   | Sector-wise / Fuel-wise thermal capacity addition target during 11 <sup>th</sup> Plan                                                                                                     | 1       |
| 1.2.2   | Details of Capacity Addition (MW) during 11 <sup>th</sup> Plan (As per Mid-term target)                                                                                                   |         |
| 1.2.3   | Total thermal capacity commissioned during 11 <sup>th</sup> Plan                                                                                                                          | 1-2     |
| 1.3.1   | Total capacity addition (MW) Programme during 12 <sup>th</sup> Plan                                                                                                                       | 2       |
| 1.3.2-7 | Total thermal capacity commissioned during 12 <sup>th</sup> Plan                                                                                                                          | 2-3     |
| 2       | Plan wise Thermal Capacity Targets / Achievements                                                                                                                                         | 3-4     |
| 2.1     | Year/Plan wise Thermal Capacity Addition in the Country                                                                                                                                   | 4-6     |
| 3       | Thermal Projects commissioned during the year 2012-13                                                                                                                                     | 6-7     |
| 3a      | Thermal Projects commissioned during the year 2013-14                                                                                                                                     | 8-9     |
| 3b      | Thermal Projects commissioned during the year 2014-15                                                                                                                                     | 9-11    |
| 3c      | Thermal Projects commissioned during the year 2015-16                                                                                                                                     | 11-12   |
| 3d      | Thermal Projects commissioned during the year 2016-17                                                                                                                                     | 13      |
| 4       | Thermal Capacity Addition Target/Achievement for the year 2012-13                                                                                                                         | 13-14   |
| 4a.     | Thermal Capacity Addition Target (RFD)/Achievement for the Year 2013-14                                                                                                                   | 14-16   |
| 4 b.    | Thermal Capacity Addition Target (RFD)/Achievement for the Year 2014-15                                                                                                                   | 17-18   |
| 4c      | Thermal Capacity Addition Target (RFD)/Achievement for the Year 2015-16                                                                                                                   | 19-20   |
| 4d      | Thermal Capacity Addition Target (RFD)/Achievement for the Year 2016-17                                                                                                                   | 21-22   |
| 5.      | Thermal Power Projects Commissioned during 11 <sup>th</sup> Plan                                                                                                                          | 23-26   |
| 6       | Thermal Power Projects which are under construction and likely to be commissioned during 12 <sup>th</sup> Plan and beyond - Make- BHEL/ Non-BHEL (Indian)/ Chinese/Others (Expt. Chinese) | 27-29   |
| 7.      | Thermal Power Projects visited during the quarter (October – December, 14)                                                                                                                | 30      |
| 8.      | Trend of Capacity addition as % of Total (Thermal, Hydro and Nuclear mix)                                                                                                                 | 31      |
| 9.      | (a) Growth of Thermal Capacity in MW                                                                                                                                                      | 32      |
|         | (b) Bar Chart representing Plan wise Growth of Thermal Installed Capacity in MW                                                                                                           | 33      |
| 10.     | Supercritical Units commissioned during 11 <sup>th</sup> Plans and beyond                                                                                                                 | 33-35   |
| 11.     | Details of Expenditure of Thermal Power Projects under construction                                                                                                                       | 36-39   |

## 1. Executive Summary

### 1.2 TOTAL CAPACITY ADDITION (MW) PROGRAMME DURING 11<sup>TH</sup> PLAN (AS PER ORIGINAL TARGET) (MW)

| Thermal | Hydro | Nuclear | Total |
|---------|-------|---------|-------|
| 59693   | 15627 | 3380    | 78700 |

#### 1.2.1 TOTAL CAPACITY ADDITION (MW) PROGRAMME DURING 11<sup>TH</sup> PLAN (AS PER MID TERM TARGET) (MW)

| SECTOR  | THERMAL |          | HYDRO  |          | NUCLEAR |          | TOTAL   |          |
|---------|---------|----------|--------|----------|---------|----------|---------|----------|
|         | Target  | Achieved | Target | Achieved | Target  | Achieved | Target  | Achieved |
| CENTRAL | 14920.0 | 12790.0  | 2922   | 1550     | 3380    | 880      | 21222.0 | 15220.0  |
| STATE   | 18501.4 | 14030.4  | 2854   | 2702     | 0       | 0        | 21355.4 | 16732.4  |
| PRIVATE | 17335.5 | 21719.5  | 2461   | 1292     | 0       | 0        | 19796.5 | 23011.5  |
| TOTAL   | 50756.9 | 48539.9  | 8237   | 5544     | 3380    | 880      | 62373.9 | 54963.9  |

#### 1.2.2 DETAILS OF CAPACITY ADDITION (MW) DURING 11<sup>TH</sup> PLAN (MW) (AS PER MID TERM TARGET)

| Mode-wise | Mid-Term Target | Slipped | CAPACITY ADDITION |            |         |
|-----------|-----------------|---------|-------------------|------------|---------|
|           |                 |         | From Target       | Additional | Total   |
| THERMAL   | 50756.9         | 9142    | 41614.9           | 6925       | 48539.9 |
| HYDRO     | 8237            | 2693    | 5544              | 0          | 5544    |
| NUCLEAR   | 3380            | 2500    | 880               | 0          | 880     |
| TOTAL     | 62373.9         | 14335   | 48038.9           | 6925       | 54963.9 |

#### 1.2.3 YEAR-WISE TOTAL CAPACITY COMMISSIONED DURING 11<sup>TH</sup> PLAN

##### 1.2.3a TOTAL CAPACITY COMMISSIONED DURING 2007-08 (MW)

| SECTOR  | THERMAL | HYDRO | NUCLEAR | TOTAL |
|---------|---------|-------|---------|-------|
| CENTRAL | 1990    | 1030  | 220     | 3240  |
| STATE   | 3880    | 1393  | -       | 5273  |
| PRIVATE | 750     | -     | -       | 750   |
| TOTAL   | 6620    | 2423  | 220     | 9263  |

##### 1.2.3b TOTAL CAPACITY COMMISSIONED DURING 2008-09 (MW)

| SECTOR  | THERMAL | HYDRO | NUCLEAR | TOTAL  |
|---------|---------|-------|---------|--------|
| CENTRAL | 750     | -     | -       | 750    |
| STATE   | 852.2   | 969   | -       | 1821.2 |
| PRIVATE | 882.5   | -     | -       | 882.5  |
| TOTAL   | 2484.7  | 969   | -       | 3453.7 |

##### 1.2.3c TOTAL CAPACITY COMMISSIONED DURING 2009-10 (MW)

| SECTOR  | THERMAL | HYDRO | NUCLEAR | TOTAL |
|---------|---------|-------|---------|-------|
| CENTRAL | 1740    |       | 440     | 2180  |
| STATE   | 3079    | 39    |         | 3118  |
| PRIVATE | 4287    | -     | -       | 4287  |
| TOTAL   | 9106    | 39    | 440     | 9585  |

##### 1.2.3d TOTAL CAPACITY COMMISSIONED DURING 2010-11 (MW)

| SECTOR  | THERMAL | HYDRO | NUCLEAR | TOTAL   |
|---------|---------|-------|---------|---------|
| CENTRAL | 3740.0  | 320   | 220     | 4280.0  |
| STATE   | 2581.0  | 178   |         | 2759.0  |
| PRIVATE | 4929.5  | 192   | -       | 5121.5  |
| TOTAL   | 11250.5 | 690   | 220     | 12160.5 |

### 1.2.3 e TOTAL CAPACITY COMMISSIONED DURING 2011-12 (MW)

| SECTOR  | THERMAL | HYDRO | NUCLEAR | TOTAL   |
|---------|---------|-------|---------|---------|
| CENTRAL | 4570.0  | 200   | -       | 4770.0  |
| STATE   | 3638.2  | 123   | -       | 3761.2  |
| PRIVATE | 10870.5 | 1100  | -       | 11970.5 |
| TOTAL   | 19078.7 | 1423  | -       | 20501.7 |

### 1.3.1 CAPACITY ADDITION (MW) PROGRAMME DURING 12<sup>TH</sup> PLAN

| SECTOR  | THERMAL | HYDRO | NUCLEAR | TOTAL |
|---------|---------|-------|---------|-------|
| CENTRAL | 14878   | 6004  | 5300    | 26182 |
| STATE   | 13922   | 1608  | 0       | 15530 |
| PRIVATE | 43540   | 3285  | 0       | 46825 |
| TOTAL   | 72340   | 10897 | 5300    | 88537 |

### 1.3.2 DETAILS OF CAPACITY ADDITION (MW) DURING 12<sup>TH</sup> PLAN (up to 30.06.16)

| Mode-wise | Target | CAPACITY ADDITION |            |          |
|-----------|--------|-------------------|------------|----------|
|           |        | From Target       | Additional | Total    |
| THERMAL   | 72340  | 50034.20          | 31655.50   | 81689.70 |
| HYDRO     | 10897  | 3876.01           | 0          | 3876.01  |
| NUCLEAR   | 5300   | 1000.00           | 0          | 1000.00  |
| TOTAL     | 88537  | 54910.21          | 31655.50   | 86565.71 |

### 1.3.3 TOTAL CAPACITY (MW) COMMISSIONED DURING 2012-13

| SECTOR  | THERMAL | HYDRO | NUCLEAR | TOTAL   |
|---------|---------|-------|---------|---------|
| CENTRAL | 5023.3  | 374   | -       | 5397.3  |
| STATE   | 3911.0  | 57    | -       | 3968.0  |
| PRIVATE | 11187.5 | 70    | -       | 11257.5 |
| TOTAL   | 20121.8 | 501   | -       | 20622.8 |

### 1.3.4 TOTAL CAPACITY (MW) COMMISSIONED DURING 2013-14 (QUARTERWISE)

| SECTOR  | THERMAL |      |      |      |       | HYDRO | NUCLEAR | Total |
|---------|---------|------|------|------|-------|-------|---------|-------|
|         | Q-1     | Q- 2 | Q-3  | Q-4  | Total |       |         |       |
| CENTRAL | 0       | 0    | 1160 | 500  | 1660  | 914   | 0       | 2574  |
| STATE   | 250     | 871  | 850  | 1351 | 3322  | 45    | 0       | 3367  |
| PRIVATE | 2130    | 1250 | 1815 | 6590 | 11785 | 99    | 0       | 11884 |
| TOTAL   | 2380    | 2121 | 3825 | 8441 | 16767 | 1058  | 0       | 17825 |

### 1.3.5 TOTAL CAPACITY (MW) COMMISSIONED DURING 2014-15 (QUARTER-WISE)

| SECTOR  | THERMAL |      |        |         |         | HYDRO  | NUCLEAR | Total    |
|---------|---------|------|--------|---------|---------|--------|---------|----------|
|         | Q-1     | Q- 2 | Q-3    | Q-4     | Total   |        |         |          |
| CENTRAL | 0       | 600  | 363.3  | 1695.9  | 2659.2  | 736.01 | 1000    | 4395.21  |
| STATE   | 1276.1  | 800  | 600    | 2210.0  | 4886.1  | 0      | 0       | 4886.10  |
| PRIVATE | 2755.0  | 3280 | 600    | 6650.0  | 13285.0 | 0      | 0       | 13285.00 |
| TOTAL   | 4031.1  | 4680 | 1563.3 | 10559.9 | 20830.3 | 736.01 | 1000    | 22566.31 |

### 1.3.6 TOTAL CAPACITY (MW) COMMISSIONED DURING 2015-16 (QUARTER-WISE)

| SECTOR  | THERMAL |      |      |         |         | HYDRO | NUCLEAR | Total   |
|---------|---------|------|------|---------|---------|-------|---------|---------|
|         | Q-1     | Q- 2 | Q-3  | Q-4     | Total   |       |         |         |
| CENTRAL | 250     | 1000 | 0    | 2045.6  | 3295.6  | 480   | 0       | 3775.6  |
| STATE   | 1100    | 250  | 1100 | 4010.0  | 6460.0  | 610   | 0       | 7070    |
| PRIVATE | 1200    | 2386 | 2584 | 6535.0  | 12705.0 | 426   | 0       | 13131   |
| TOTAL   | 2550    | 3636 | 3684 | 12590.6 | 22460.6 | 1516  | 0       | 23976.6 |

**1.3.7 TOTAL CAPACITY (MW) COMMISSIONED DURING 2016-17 (QUARTER-WISE)(up to 30.06.2016)**

| SECTOR         | THERMAL     |      |     |     |             | HYDRO     | NUCLEAR  | Total       |
|----------------|-------------|------|-----|-----|-------------|-----------|----------|-------------|
|                | Q-1         | Q- 2 | Q-3 | Q-4 | Total       |           |          |             |
| <b>CENTRAL</b> | <b>0</b>    |      |     |     | <b>0</b>    | <b>0</b>  | <b>0</b> | <b>0</b>    |
| <b>STATE</b>   | <b>250</b>  |      |     |     | <b>250</b>  | <b>65</b> | <b>0</b> | <b>315</b>  |
| <b>PRIVATE</b> | <b>1260</b> |      |     |     | <b>1260</b> | <b>0</b>  | <b>0</b> | <b>1260</b> |
| <b>TOTAL</b>   | <b>1510</b> |      |     |     | <b>1510</b> | <b>65</b> | <b>0</b> | <b>1575</b> |

**1.3.7 THERMAL / HYDRO/NUCLEAR CAPACITY ADDITIONS DURING 12<sup>TH</sup> PLAN (MW)**

| YEAR                         | THERMAL         | HYDRO          | NUCLEAR     | Total           |
|------------------------------|-----------------|----------------|-------------|-----------------|
| 2012-13                      | 20121.80        | 501.00         |             | 20622.80        |
| 2013-14                      | 16767.00        | 1058.00        |             | 17825.00        |
| 2014-15                      | 20830.30        | 736.01         | 1000        | 22566.31        |
| 2015-16                      | 22460.60        | 1516.00        | 0           | 23976.60        |
| 2016-17<br>(Upto 30.06.2016) | 1510.00         | 65.00          | 0           | 1575.00         |
| <b>Total</b>                 | <b>81689.70</b> | <b>3876.01</b> | <b>1000</b> | <b>86565.71</b> |

**2. Plan wise Thermal Capacity Targets / Achievements**

( from 4<sup>th</sup> Plan onwards )

| Plan                         | Target (MW)<br>(Original) | Capacity (MW)<br>Addition | % Achieved    |
|------------------------------|---------------------------|---------------------------|---------------|
| <b>4th Plan (1969-74)</b>    | <b>5746.00</b>            | <b>2007.90</b>            | <b>34.94</b>  |
|                              |                           |                           |               |
| <b>5th Plan (1974-79)</b>    | <b>7845.00</b>            | <b>6148.73</b>            | <b>78.38</b>  |
|                              |                           |                           |               |
| <b>Annual Plan (1979-80)</b> | <b>2265.00</b>            | <b>1216.87</b>            | <b>53.72</b>  |
|                              |                           |                           |               |
| <b>6th Plan (1980-85)</b>    | <b>14898.00</b>           | <b>10605.84</b>           | <b>71.19</b>  |
|                              |                           |                           |               |
| <b>7th Plan (1985-90)</b>    | <b>15999.00</b>           | <b>17093.40</b>           | <b>106.84</b> |
|                              |                           |                           |               |
| <b>Annual Plan (1990-91)</b> | <b>3962.00</b>            | <b>2364.00</b>            | <b>64.03</b>  |
|                              |                           |                           |               |
| <b>Annual Plan (1991-92)</b> | <b>4512.00</b>            | <b>2370.50</b>            | <b>52.54</b>  |
|                              |                           |                           |               |
| <b>8th Plan (1992-97)</b>    | <b>20156.00</b>           | <b>13554.90</b>           | <b>67.20</b>  |
|                              |                           |                           |               |
| <b>9th Plan (1997-02)</b>    | <b>29550.70</b>           | <b>13800.90</b>           | <b>46.71</b>  |
|                              |                           |                           |               |
| <b>10th Plan (2002-07)</b>   | <b>25416.20</b>           | <b>12114.24</b>           | <b>47.66</b>  |
|                              |                           |                           |               |
| <b>11th Plan (2007-12)</b>   | <b>59693.00</b>           | <b>48539.90</b>           | <b>81.32</b>  |

|                             |                |                 |               |
|-----------------------------|----------------|-----------------|---------------|
|                             |                |                 |               |
| <b>12th Plan (2012-13)</b>  | <b>15154.3</b> | <b>20121.80</b> | <b>132.77</b> |
| <b>12th Plan (2013-14)</b>  | <b>15234.3</b> | <b>16767.00</b> | <b>110.10</b> |
| <b>12th Plan (2014-15)</b>  | <b>14988.3</b> | <b>20830.30</b> | <b>138.97</b> |
| <b>12th Plan (2015-16)</b>  | <b>17346.1</b> | <b>22460.60</b> | <b>129.48</b> |
| <b>12th Plan (2016-17)*</b> | <b>13440.5</b> | <b>1510.00</b>  |               |

\*Capacity addition achieved up to 30/06/2016

## 2.1 Year/Plan wise Thermal Capacity Addition in the Country

| Sl. No.                                        | Year           | Capacity Addition (MW) | Remarks |
|------------------------------------------------|----------------|------------------------|---------|
| <b>1st Five Year Plan (1.1.51 to 31.12.55)</b> |                |                        |         |
| 1                                              | 1951           | 107.02                 |         |
| 2                                              | 1952           | 86.33                  |         |
| 3                                              | 1953           | 227.43                 |         |
| 4                                              | 1954           | 126.64                 |         |
| 5                                              | 1955           | 54.69                  |         |
|                                                | <b>Total :</b> | <b><u>602.11</u></b>   |         |
| <b>2nd Five Year Plan (1.1.56 to 31.03.61)</b> |                |                        |         |
| 6                                              | 1956-57        | 69.36                  |         |
| 7                                              | 1957-58        | 184.49                 |         |
| 8                                              | 1958-59        | 140.65                 |         |
| 9                                              | 1959-60        | 193.18                 |         |
| 10                                             | 1960-61        | <u>393.37</u>          |         |
|                                                | <b>Total :</b> | <b><u>981.05</u></b>   |         |
| <b>3rd Five Year Plan (1.4.61 to 31.03.66)</b> |                |                        |         |
| 11                                             | 1961-62        | 63.33                  |         |
| 12                                             | 1962-63        | 65.12                  |         |
| 13                                             | 1963-64        | 544.08                 |         |
| 14                                             | 1964-65        | 599.02                 |         |
| 15                                             | 1965-66        | <u>895.34</u>          |         |
|                                                | <b>Total :</b> | <b><u>2166.89</u></b>  |         |
| <b>Annual Plans (1966-67, 67-68, 68-69)</b>    |                |                        |         |
| 16                                             | 1966-67        | 431.67                 |         |
| 17                                             | 1967-68        | 1061.29                |         |
| 18                                             | 1968-69        | 654.12                 |         |
|                                                | <b>Total :</b> | <b><u>2147.08</u></b>  |         |
| <b>4th Five Year Plan (1.4.69 to 31.03.74)</b> |                |                        |         |
| 19                                             | 1969-70        | 497.32                 |         |
| 20                                             | 1970-71        | 358.04                 |         |
| 21                                             | 1971-72        | 317.04                 |         |
| 22                                             | 1972-73        | 653.54                 |         |
| 23                                             | 1973-74        | <u>181.96</u>          |         |
|                                                | <b>Total :</b> | <b><u>2007.9</u></b>   |         |
| <b>5th Five Year Plan (1.4.74 to 31.03.79)</b> |                |                        |         |
| 24                                             | 1974-75        | 1089.18                |         |
| 25                                             | 1975-76        | 866.02                 |         |
| 26                                             | 1976-77        | 790.23                 |         |
| 27                                             | 1977-78        | 1204.8                 |         |
| 28                                             | 1978-79        | <u>2198.5</u>          |         |

|    |                                                |                        |
|----|------------------------------------------------|------------------------|
|    | <b>Total :</b>                                 | <b><u>6148.73</u></b>  |
| 29 | 1979-80                                        | <b>1216.87</b>         |
|    | <b>6th Five Year Plan (1.4.80 to 31.03.85)</b> |                        |
| 30 | 1980-81                                        | 1138.6                 |
| 31 | 1981-82                                        | 1749.82                |
| 32 | 1982-83                                        | 2135.13                |
| 33 | 1983-84                                        | 2940.89                |
| 34 | 1984-85                                        | <u>2641.4</u>          |
|    | <b>Total :</b>                                 | <b><u>10605.84</u></b> |

| <b>SL No.</b> | <b>Year</b>                                      | <b>Capacity Addition(MW)</b> |
|---------------|--------------------------------------------------|------------------------------|
|               | <b>7th Five Year Plan (1.4.85 to 31.03.90)</b>   |                              |
| 35            | 1985-86                                          | 2977.00                      |
| 36            | 1986-87                                          | 1920.00                      |
| 37            | 1987-88                                          | 3912.00                      |
| 38            | 1988-89                                          | 4117.30                      |
| 39            | 1989-90                                          | <u>4167.00</u>               |
|               | <b>Total :</b>                                   | <b><u>17093.30</u></b>       |
|               | <b>Annual Plans (1990-91, 91-92)</b>             |                              |
| 40            | 1990-91                                          | <b>2364.00</b>               |
| 41            | 1991-92                                          | <b>2370.50</b>               |
|               | <b>8th Five Year Plan (1.4.92 to 31.03.97)</b>   |                              |
| 42            | 1992-93                                          | 2944.32                      |
| 43            | 1993-94                                          | 3741.6                       |
| 44            | 1994-95                                          | 3928.5                       |
| 45            | 1995-96                                          | 1976.5                       |
| 46            | 1996-97                                          | <u>963.00</u>                |
|               | <b>Total :</b>                                   | <b><u>13553.92</u></b>       |
|               | <b>9th Five Year Plan (1.4.97 to 31.03.2002)</b> |                              |
| 47            | 1997-98                                          | 2993.50                      |
| 48            | 1998-99                                          | 3724.50                      |
| 49            | 1999-2000                                        | 2696.00                      |
| 50            | 2000-01                                          | 2277.90                      |
| 51            | 2001-02                                          | <u>2009.00</u>               |
|               | <b>Total :</b>                                   | <b><u>13700.9</u></b>        |
|               | <b>10th Five Year Plan (1.4.02 to 31.03.07)</b>  |                              |
| 52            | 2002-03                                          | 2223.10                      |
| 53            | 2003-04                                          | 1361.60                      |
| 54            | 2004-05                                          | 2933.92                      |
| 55            | 2005-06                                          | 1588.80                      |
| 56            | 2006-07                                          | <u>4006.80</u>               |
|               | <b>Total :</b>                                   | <b><u>12114.22</u></b>       |
|               | <b>11th Five Year Plan (1.4.07 to 31.03.12)</b>  |                              |
| 57            | 2007-08                                          | 6620.00                      |
| 58            | 2008-09                                          | 2484.70                      |
| 59            | 2009-10                                          | 9106.00                      |
| 60            | 2010-11                                          | 11250.5                      |

|    |                                                 |                        |                   |
|----|-------------------------------------------------|------------------------|-------------------|
| 61 | 2011-12                                         | <u>19078.7</u>         |                   |
|    | <b>Total</b>                                    | <b><u>48539.90</u></b> |                   |
|    | <b>12th Five Year Plan (1.4.12 to 31.03.17)</b> |                        |                   |
| 62 | 2012-13                                         | 20121.80               |                   |
| 63 | 2013-14                                         | 16767.00               |                   |
| 64 | 2014-15                                         | 20830.30               | 2nd Highest       |
| 65 | 2015-16                                         | 22460.60               | Highest till date |
| 65 | 2016-17                                         | 1510.00                |                   |
|    | <b>Total</b>                                    | <b>81689.70</b>        | Up to 30.06.2016  |

Note: Figures from 1951 to 1984-85 indicate uprated/derated capacities

### 3. Thermal Projects Commissioned During the year 2012-13

| S.No                  | Project Name & Unit No./<br>Implementing Agency | Capacity<br>( MW) | Date of<br>Commissioning |
|-----------------------|-------------------------------------------------|-------------------|--------------------------|
| <b>Central Sector</b> |                                                 |                   |                          |
| 1                     | Mouda TPP, U-1, NTPC                            | 500               | 19.04.12(A)              |
| 2                     | Rihand STPS-III, U-5, NTPC                      | 500               | 25.05.12(A)              |
| 3                     | Sipat TPP, U-3, NTPC                            | 660               | 02.06.12(A)              |
| 4                     | Vindhyachal U – 11, NTPC                        | 500               | 14.06.12(A)              |
| 5                     | Indira Gandhi TPP, U-3, NTPC                    | 500               | 07.11.12(A)              |
| 6                     | Koderma U-2, DVC                                | 500               | 15.02.13(A)              |
| 7                     | Tripura Gas Model-1, ONGC                       | 363.3             | 03.01.13(A)              |
| 8                     | Vallur TPP Ph-I, U-2, NTECL                     | 500               | 28.02.13(A)              |
| 9                     | Vindhyachal U – 12, NTPC                        | 500               | 22.03.13(A)              |
| 10                    | Mouda TPP, U-2, NTPC                            | 500               | 29.03.13(A)              |
| 11                    | Total Central Sector                            | 5023.3            |                          |
| <b>State Sector</b>   |                                                 |                   |                          |
| 12                    | Parichha Extn., U-5, UPRVUNL                    | 250               | 24.05.12(A)              |
| 13                    | Harduaganj, U-9, UPRVUNL                        | 250               | 25.05.12(A)              |
| 14                    | Pragati CCGT - III , GT-3, PPCL                 | 250               | 27.06.12(A)              |
| 15                    | Mettur TPP Extn. U-1                            | 600               | 11.10.12(A)              |
| 16                    | Ukai TPP, U-6, GSECL                            | 500               | 05.03.13(A)              |
| 17                    | North Chennai Extn., U-2, TNEB                  | 600               | 09.03.13(A)              |
| 18                    | Parichha Extn., U-6, UPRVUNL                    | 250               | 11.03.13(A)              |
| 19                    | Ramgarh GT, RRVUNL                              | 110               | 20.03.13(A)              |

|                       |                                                             |                           |                                  |
|-----------------------|-------------------------------------------------------------|---------------------------|----------------------------------|
| 20                    | Korba West Extn., St.III TPP, CSEB                          | 500                       | 22.03.13(A)                      |
| 21                    | Satpura TPS Extn., U-10, MPPGCL                             | 250                       | 22.03.13(A)                      |
| 22                    | Pipavav CCPP, Block-2, GSECL                                | 351                       | 27.03.13(A)                      |
|                       | <b>Total of State Sector</b>                                | <b>3911</b>               |                                  |
| <b>Private Sector</b> |                                                             |                           |                                  |
| 23                    | Jhajjar TPS(Mahatma Gandhi TPP), U-2, CLP Power             | 660                       | 11.04.12(A)                      |
| 24                    | Sterlite TPP, U-4, Sterlite Energy                          | 600                       | 25.04.12(A)                      |
| 25                    | GEPL TPP, U-2, GEPL                                         | 60                        | 28.04.12(A)                      |
| <b>S.No</b>           | <b>Project Name &amp; Unit No./<br/>Implementing Agency</b> | <b>Capacity<br/>( MW)</b> | <b>Date of<br/>Commissioning</b> |
| 26                    | Salaya TPP, U-2, Essar Power                                | 600                       | 13.06.12(A)                      |
| 27                    | Kasaipalli TPS, U-2, ACB India                              | 135                       | 21.06.12(A)                      |
| 28                    | Simhadri TPP Ph-I, U-2 Madhucon                             | 150                       | 02.07.12(A)                      |
| 29                    | Mundra UMPP, U-2, Tata Power Co.                            | 800                       | 25.07.12(A)                      |
| 30                    | Bina TPP, U-1, Bina Power Ltd,                              | 250                       | 12.08.12(A)                      |
| 31                    | Butibori TPP, U-1, Vidharba Ind. Ltd                        | 300                       | 17.08.12(A)                      |
| 32                    | Thamminapatnam TPP, U-1, MEPL                               | 150                       | 09.09.12(A)                      |
| 33                    | Tirora TPP, U-1, Adani Power Ltd.                           | 660                       | 11.09.11(A)                      |
| 34                    | GEPL TPP, U-1, GEPL                                         | 60                        | 08.09.12(A)                      |
| 35                    | Mundra UMTTP, U-3, Tata Power Co.                           | 800                       | 16.10.12(A)                      |
| 36                    | Mahadev Pd. TPP U-1, Adhunik Power Co. Ltd.                 | 270                       | 19.11.12(A)                      |
| 37                    | Mundra UMTTP, U-4, Tata Power Co.                           | 800                       | 16.01.13(A)                      |
| 38                    | Uno Sugan CCPP, Mod-1,Torrent Power Ltd                     | 382.5                     | 20.01.13(A)                      |
| 39                    | Ratija TPP, U-1, SCPL                                       | 50                        | 04.02.13(A)                      |
| 40                    | Jallip-Kapurdi TPP, U-5, Raj West Power Ltd.                | 135                       | 05.02.13(A)                      |
| 41                    | EMCO Warora TPP, U-1, EMCO Energy Ltd, (GMR)                | 300                       | 07.02.13(A)                      |
| 42                    | Mahan TPP, U-1, Essar Power Ltd.                            | 600                       | 24.02.13(A)                      |
| 43                    | Jallip-Kapurdi TPP, U-8, Raj West Power Ltd.                | 135                       | 28.02.13(A)                      |
| 44                    | Jallip-Kapurdi TPP, U-6, Raj West Power Ltd.                | 135                       | 03.03.13(A)                      |
| 45                    | Tuticorin TPP, U-1. Ind Barath                              | 150                       | 10.03.13(A)                      |
| 46                    | Jallip-Kapurdi TPP, U-7, Raj West Power Ltd.                | 135                       | 16.03.13(A)                      |
| 47                    | Mundra UMTTP, U-5, Tata Power Co.                           | 800                       | 18.03.13(A)                      |
| 48                    | Bela TPP-I, U-1, IEPL                                       | 270                       | 20.03.13(A)                      |
| 49                    | Tirora TPP, U-2, Adani Power Ltd.                           | 660                       | 25.03.13(A)                      |
| 50                    | Amravathi TPP, U-1,Indiabulls                               | 270                       | 25.03.13(A)                      |
| 51                    | Kamalanga TPP, U-1, GMR                                     | 350                       | 28.03.13(A)                      |
| 52                    | Mahadev Pd. TPP U-2, Adhunik Power Co. Ltd.                 | 270                       | 29.03.13(A)                      |
| 53                    | Bina TPP, U-2, Bina Power Ltd,                              | 250                       | 31.03.13(A)                      |
|                       |                                                             |                           |                                  |
|                       | <b>Total of Private Sector</b>                              | <b>11187.5</b>            |                                  |
|                       | <b>Total in 2012-13</b>                                     | <b>20121.8</b>            |                                  |

### 3 (a) . Thermal Projects Commissioned During the year 2013-14

| S.No                  | Project Name & Unit No./<br>Implementing Agency                     | Capacity<br>( MW) | Date of<br>Commissioning | Remarks    |
|-----------------------|---------------------------------------------------------------------|-------------------|--------------------------|------------|
| <b>Central Sector</b> |                                                                     |                   |                          |            |
| 1                     | Rihand STPP St-III, U-6, NTPC                                       | 500               | 07.10.13(A)              | RFD        |
| 2                     | Barh STPP St-II, U-4, NTPC                                          | 660               | 30.11.13(A)              | RFD        |
| 3                     | Vallur TPP Ph-I, NTPC                                               | 500               | 28.02.14(A)              | RFD        |
|                       | <b>Total Central Sector</b>                                         | <b>1660</b>       |                          |            |
| <b>State Sector</b>   |                                                                     |                   |                          |            |
| 4                     | Pragati CCGT - III , GT-4, PPCL                                     | 250               | 07.05.13(A)              | RFD        |
| 5                     | Rokhia CCPP, GT-9, Govt. Of Tripura                                 | 21                | 13.08.13(A)              | Additional |
| 6                     | North Chennai TPP Extn U-1, TNEB                                    | 600               | 13.09.13(A)              | RFD        |
| 7                     | Chhabra TPP Ext U-3, RRVUNL                                         | 250               | 14.09.13(A)              | RFD        |
| 8                     | Shree Singhaji (Malwa) TPP, U-1, MPPGCL                             | 600               | 18.11.13(A)              | RFD        |
| 9                     | Satpura TPS Ext, U-11, MPPGCL                                       | 250               | 25.12.13(A)              | RFD        |
| 10                    | Pipavav JV CCGT, Block-I, GSECL                                     | 351               | 05.02.14(A)              | RFD        |
| 11                    | Pragati CCGT-III, ST-2, PPCL                                        | 250               | 26.02.14(A)              | RFD        |
| 12                    | Marwa TPP, Unit-1, CSEB                                             | 500               | 30.03.14(A)              | RFD        |
| 13                    | Durgapur TPS Extn., U – 8, DPL                                      | 250               | 31.03.14(A)              | Additional |
|                       | <b>Total of State Sector</b>                                        | <b>3322</b>       |                          |            |
| <b>Private Sector</b> |                                                                     |                   |                          |            |
| 14                    | Thaminapatnam TPP Phase-I, U-2, Meenakshi Energy Pvt. Ltd           | 150               | 17.04.13(A)              | RFD        |
| 15                    | Kawai TPP, U-1, Adani Power                                         | 660               | 30.05.13(A)              | Additional |
| 16                    | Sasan UMPP, U-3, Reliance Power                                     | 660               | 25.05.13(A)              | RFD        |
| 17                    | Tirora TPP, Phase-II, U-1, Adani Power                              | 660               | 10.06.13(A)              | RFD        |
| 18                    | Akaltara TPP, U-1, Wardha PCL(KSK)                                  | 600               | 13.08.13(A)              | RFD        |
| 19                    | EMCO Warora TPP U-2, GMR EMCO Energy Ltd                            | 300               | 27.08.13(A)              | RFD        |
| 20                    | Kamalanga TPP, U-2, GMR                                             | 350               | 28.09.13(A)              | RFD        |
| 21                    | Dhariwal Infrastructure TPP, U-1, Dhariwal Infrastructure (P), Ltd. | 300               | 03.11.13(A)              | RFD        |
| 22                    | Niwati TPP, U-1, BLA Power LTD                                      | 45                | 01.12.13(A)              | Additional |
| 23                    | Sasan UMPP, U-2, Reliance Power                                     | 660               | 20.12.13(A)              | RFD        |

|    |                                                        |       |             |            |
|----|--------------------------------------------------------|-------|-------------|------------|
| 24 | Kawai TPP, U-2, Adani Power Rajasthan Ltd              | 660   | 24.12.13(A) | Additional |
| 25 | Tuticorin TPP, U-2, Ind Barath                         | 150   | 30.12.13(A) | Additional |
| 26 | Degen CCPP, Block-I, Torrent Power                     | 400   | 12.01.14(A) | Additional |
| 27 | Rajpura TPP, U-1, Nabha Power                          | 700   | 24.01.13(A) | Additional |
| 28 | Amravati TPP Ph-I, U-2, India Bulls Power Ltd          | 270   | 17.02.14(A) | Additional |
| 29 | Simhapuri TPS Ph-II, U-3, Simhapuri Energy Pvt Ltd     | 150   | 21.02.14(A) | Additional |
| 30 | DB Power TPP, Unit-1, DB Power Ltd                     | 600   | 23.02.14(A) | RFD        |
| 31 | Nasik TPP Ph-I, U-1, India Bulls Power Ltd             | 270   | 25.02.14(A) | RFD        |
| 32 | Degan CCPP, Block-3, Torrent Power                     | 400   | 09.03.14(A) | Additional |
| 33 | Tamnar TPP, U-1, Jindal Power                          | 600   | 10.03.14(A) | RFD        |
| 34 | Kamalang TPP, U-3, GMR Energy                          | 350   | 21.03.14(A) | Additional |
| 35 | Tirora TPP Ph-II, U-2, Adani Power                     | 660   | 23.03.14(A) | Additional |
| 36 | Sasn UMPP, U-4, reliance Power                         | 660   | 25.03.14(A) | Additional |
| 37 | Chakabura TPP, U-1, ACBIL                              | 30    | 28.03.14(A) | Additional |
| 38 | Tamnar TPP, U-2, Jindal Power                          | 600   | 30.03.14(A) | Additional |
| 39 | Avantha Bhandar TPP, U-1, KWPCCL                       | 600   | 31.03.14(A) | Additional |
| 40 | Butibori TPP Ph-I, U-2, Vidarbha Industries Power Ltd. | 300   | 31.03.14(A) | Additional |
|    | Total Private Sector                                   | 11785 |             |            |
|    | Total Thermal Capacity Addition in 2013-14             | 16767 |             |            |

### 3 (b). Thermal Projects Commissioned During the year 2014-15

| S.No                  | Project Name & Unit No./<br>Implementing Agency                 | Capacity<br>( MW) | Date of<br>Commissioning | Remarks    |
|-----------------------|-----------------------------------------------------------------|-------------------|--------------------------|------------|
| <b>Central Sector</b> |                                                                 |                   |                          |            |
| 1                     | Raghunathpur TPP Phase-I, Unit-1, DVC                           | 600               | 24.08.14(A)              | RFD        |
| 2                     | Palatana CCPP, Block-2, OTPC (JV of ILFS, ONGC & Tripura Govt.) | 363.3             | 16.11.14(A)              | RFD        |
| 3                     | Neyveli TPS-II Exp. , U-2, NLC                                  | 250               | 24.01.15(A)              | Additional |
| 4                     | Barh STPP-II, Unit-5, NTPC                                      | 660               | 04.03.15(A)              | RFD        |
| 5                     | Tuticorin JV, U-1, NTPL ( JV- NLC & TANGEDCO)                   | 500               | 10.03.15(A)              | RFD        |
| 6                     | Agartala CCPP, ST-1, NEEPCO                                     | 25,5              | 22.03.15(A)              | Additional |
| 7                     | Monarchak CCPP, GT, NEEPCO                                      | 65,4              | 30.03.15(A)              | Additional |
| 8                     | Muzaffarpur TPP Exp ,U-3, JV - NTPC & BSEB                      | 195               | 31.03.15(A)              | RFD        |
|                       | Total Central Sector                                            | 2659.2            |                          |            |
| <b>State Sector</b>   |                                                                 |                   |                          |            |
| 9                     | Ramgarh CCPP, ST, RRVUNL                                        | 50                | 01.05.14(A)              | RFD        |
| 10                    | Kalisindh TPP, Unit-1, RRVUNL                                   | 600               | 02.05.14(A)              | RFD        |

|                       |                                                   |        |              |            |
|-----------------------|---------------------------------------------------|--------|--------------|------------|
| 11                    | Dhuvraan CCPP, Unit – 1, GSECL                    | 376.1  | 21.05.14(A)  | Additional |
| 12                    | Chhabra TPP, U-4, RRVUNL                          | 250    | 30.06.14(A)  | RFD        |
| 13                    | Damodaran Sanjeevaiah TPP, U-1, APPDCL            | 800    | 28.08.14(A)  | RFD        |
| 14                    | Malwa (Shree Singaji) TPP, Unit-2, MPPGCL         | 600    | 15.10.14(A)  | RFD        |
| 15                    | Damodaran Sanjeevaiah TPP, U-2, APPDCL            | 800    | 17.03.15(A)  | RFD        |
| 16                    | Sikka TPP Extn. (SS), U-3, GSECL                  | 250    | 29.03.15(A)  | Additional |
| 17                    | Chandrapur TPS , U-8, MSPGCL                      | 500    | 29.03.15(A)  | RFD        |
| 18                    | Koradi TPP Expn., U-8, MSPGCL                     | 660    | 30.03.15(A)  | RFD        |
|                       | Total of State Sector                             | 4886.1 |              |            |
| <b>Private Sector</b> |                                                   |        |              |            |
| 19                    | SaloraTPP, U-1, Vandana Vidyut Ltd                | 135    | 10.04.14 (A) | RFD        |
| 20                    | D gen CCPP, Block - 2, Torrent Power              | 400    | 23.04.14 (A) | Additional |
| 21                    | Derang TPP, U- 1, JPL                             | 600    | 10.05.14 (A) | RFD        |
| 22                    | Sasan UMPP, U-1, SPL                              | 660    | 21.05.14 (A) | Additional |
| 23                    | Dhariwal TPP, U-2, Dhariwal Industries Ltd        | 300    | 28.05.14 (A) | RFD        |
| 24                    | Talwandi Sabo TPP U - 1, Sterlite                 | 660    | 17.06.14 (A) | RFD        |
| 25                    | Rajpura TPP, U-2, Nabha Power Ltd.                | 700    | 06.07.14 (A) | RFD        |
| 26                    | Akaltara TPP, U-2, ASK                            | 600    | 22.08.14 (A) | Additional |
| 27                    | Sasan UMPP, U-5, SPL                              | 660    | 24.08.14 (A) | Additional |
| 28                    | Nigrie TPP, U-1, JPVL                             | 660    | 29.08.14 (A) | Additional |
| 29                    | Tirora TPP Phase-II, APMPL                        | 660    | 25.09.14 (A) | Additional |
| 30                    | Mutiara TPP, U-1, Coastal Energen                 | 600    | 02.12.14 (A) | Additional |
| 31                    | Tamnar (TPP) Raigarh, U-3, Jindal Power           | 600    | 07.01.15 (A) | Additional |
| 32                    | Haldia TPP-I, Unit-1, M/s Haldia Energy Ltd.      | 300    | 14.01.15 (A) | RFD        |
| 33                    | Derang TPP, U- 2, JPL                             | 600    | 24.01.15(A)  | Additional |
| 34                    | Amravati TPP Ph-I, Unit-3, India Bulls            | 270    | 29.01.15 (A) | RFD        |
| 35                    | Painampuram TPP, U-1, Thermal Power Tech Corp.Ltd | 660    | 07.02.15 (A) | RFD        |
| 36                    | Haldia TPP-I, Unit-2, M/s Haldia Energy Ltd.      | 300    | 16.02.15(A)  | Additional |
| 37                    | Nigrie TPP, U-2, JPVL                             | 660    | 17.02.15 (A) | Additional |
| 38                    | Raikheda TPP, U-1, GMR Chhattisgarh               | 685    | 27.02.15(A)  | Additional |
| 39                    | Amravati TPP Ph-I, Unit-4, India Bulls            | 270    | 04.03.15(A)  | Additional |
| 40                    | Simhapuri Ph-II,U-4, Simhapuri Energy Power Ltd   | 150    | 06.03.15 (A) | Additional |
| 41                    | Amravati TPP Ph-I, Unit-5, India Bulls            | 270    | 12.03.15(A)  | Additional |
| 42                    | Sasan UMPP, U-6, SPL                              | 660    | 19.03.15 (A) | Additional |
| 43                    | Badadarha TPP, U-2, D.B.Power Ltd.                | 600    | 24.03.15(A)  | Additional |

|    |                                            |         |              |            |
|----|--------------------------------------------|---------|--------------|------------|
| 44 | Tamnar (TPP) Raigarh, U-4, Jindal Power    | 600     | 26.03.15(A)  | Additional |
| 45 | Swastic Korba, Unit-1, ACB India Ltd.      | 25      | 31.03.15 (A) | RFD        |
|    |                                            |         |              |            |
|    | Total Private Sector                       | 13285   |              |            |
|    | Total Thermal Capacity Addition in 2014-15 | 20830.3 |              |            |

### 3 (c). Thermal Projects Commissioned During the year 2015-16

| S.No                  | Project Name & Unit No./<br>Implementing Agency | Capacity<br>( MW) | Date of<br>Commissioning | Remarks    |
|-----------------------|-------------------------------------------------|-------------------|--------------------------|------------|
| <b>Central Sector</b> |                                                 |                   |                          |            |
| 1                     | Bongaigaon TPP, Unit-1, NTPC                    | 250               | 22.06.15 (A)             | RFD        |
| 2.                    | Tuticorin TPP, Unit-2, NLC                      | 500               | 09.07.15 (A)             | RFD        |
| 3.                    | Vindhyachal TPP-V, Unit-13, NTPC                | 500               | 06.08.15 (A)             | RFD        |
|                       | Monarchak CCPP, ST, NEEPCO                      | 35.6              | 14.01.16 (A)             | RFD        |
|                       | Raghunathpur TPP-I, Unit-2, DVC                 | 600               | 18.01.16 (A)             | RFD        |
|                       | Nabi Nagar TPP, Unit-1, NTPC                    | 250               | 20.03.16 (A)             | Additional |
|                       | Bokaro TPS 'A' Extn., Unit-1, DVC               | 500               | 22.03.16 (A)             | Additional |
|                       | Mouda STPP-II, Unit-3, NTPC                     | 660               | 28.03.16 (A)             | Additional |
|                       | Total Central Sector                            | 3295.6            |                          |            |
| <b>State Sector</b>   |                                                 |                   |                          |            |
| 4.                    | Kalisindh TPP, Unit-1, RRVUNL                   | 600               | 06.06.15 (A)             | RFD        |
| 5.                    | Anpara-D TPS, Unit- 6, UPRVUNL                  | 500               | 06.06.15 (A)             | RFD        |
| 6.                    | Sikka TPS, Unit-4, GSECL                        | 250               | 25.09.15( A)             | RFD        |
| 7.                    | Sagardighi TPS Ext., Unit-3, WBPDC              | 500               | 14.12.15(A)              | RFD        |
| 8                     | Kakatia TPS Extn., Unit-1, TGENCO               | 600               | 31.12.15(A)              | RFD        |
| 9.                    | Bellary TPS St-III, Unit-1, KPCL                | 700               | 01.03.16 (A)             | RFD        |
| 10.                   | Anpara-D TPS, Unit- 7, UPRVUNL                  | 500               | 06.03.16 (A)             | RFD        |
| 11.                   | Singareni TPP, Unit-1, Singareni Collieries     | 600               | 13.03.16 (A)             | RFD        |
| 12.                   | Koradi TPS Extn, Unit-9, MSPGL                  | 660               | 15.03.16 (A)             | RFD        |
| 13.                   | Chandrapur TPS, Unit-9, MSPGL                   | 500               | 21.03.16 (A)             | RFD        |
| 14.                   | Yermarus TPP, Unit-1, KPCL                      | 800               | 29.03.16 (A)             | RFD        |

|                       |                                                                                        |         |              |            |
|-----------------------|----------------------------------------------------------------------------------------|---------|--------------|------------|
| 15.                   | Parli TPS, Unit-8, MSPGL                                                               | 250     | 30.03.16 (A) | RFD        |
| 16.                   | Total of State Sector                                                                  | 6460    |              |            |
| <b>Private Sector</b> |                                                                                        |         |              |            |
| 17.                   | Anuppur TPP Ph-I, Unit-1, MB Power(MP)                                                 | 600     | 20.04.15 (A) | RFD        |
| 18.                   | BALCO TPP, Unit-1, BALCO Pvt Ltd                                                       | 300     | 05.06.15 (A) | RFD        |
| 19.                   | Bandakhar TPP, Unit-1, M/s Maruti Clean (Chhattisgarh) Ltd.                            | 300     | 19.06.15 (A) | RFD        |
| 20.                   | Lanco Kondapalli Extn., Ph-III(PS), Block-I, Lanco Kondapalli Power Co. Ltd. (LKPCCL). | 371     | 07.08.15 (A) | Additional |
| 21.                   | Painampuram TPP, Unit-2, M/s. Thermal Power Tech Corporation Ltd.                      | 660     | 03.09.15 (A) | RFD        |
| 22.                   | Lanco Kondapalli Extn., Ph-III(PS), Block-II, LKPCCL                                   | 371     | 05.09.15 (A) | Additional |
| 23.                   | Vemagiri CCPP-II (PS), Block-I, GMR Rajamundry Energy Ltd.                             | 384     | 12.09.15 (A) | Additional |
| 24                    | ITPCL TPP, Unit-1, IL&FS TNPC Ltd.                                                     | 600     | 19.09.15(A)  | Additional |
| 25                    | Vemagiri CCPP-II (PS), Block-I, GMR Rajamundry Energy Ltd.                             | 384     | 05.10.15 (A) | Additional |
| 26                    | Uchpinda TPP, Unit-1, RKM Powergen Co                                                  | 360     | 28.10.15(A)  | RFD        |
| 27                    | Talwandi Sabo TPP, Unit-2, Tal. Sabo Power                                             | 660     | 30.10.15(A)  | RFD        |
| 28                    | Prayagraj(Bara) TPP, Unit – 1, Prayagraj PGCL                                          | 660     | 25.12.15(A)  | RFD        |
| 29                    | Vizag TPP, Unit-1, Hinduja National Power Co Ltd                                       | 520     | 27.12.15(A)  | RFD        |
| 30                    | Melamaruthur(Mutiara) TPP, Unit-2, Coastal Energen                                     | 600     | 02.01.16(A)  | Additional |
| 31                    | Lalitpur TPP, Unit-2, Lalitpur Power Gen. Co. Ltd                                      | 660     | 08.01.16(A)  | RFD        |
| 32                    | Uchpinda TPP, Unit-2, RKM Powergen Co                                                  | 360     | 28.01.16(A)  | Additional |
| 33                    | Goindwal Sahib TPP, Unit-1, GVK Power                                                  | 270     | 14.02.16(A)  | Additional |
| 34                    | Ind Bharat TPP(Odisha), Unit-1, Ind Barat                                              | 350     | 25.02.16(A)  | RFD        |
| 35                    | Goindwal Sahib TPP, Unit-2, GVK Power                                                  | 270     | 15.03.16(A)  | Additional |
| 36                    | Seioni TPP Ph-I, Unit-1, Jhabua Power Ltd.                                             | 600     | 22.03.16(A)  | Additional |
| 37                    | BALCO TPP, Unit-2, BALCO Pvt Ltd                                                       | 300     | 24.03.16(A)  | RFD        |
| 38                    | Lalitpur TPP, Unit-1, Lalitpur Power Gen. Co. Ltd                                      | 660     | 26.03.16(A)  | Additional |
| 39                    | Raikheda TPP, Unit-2, GMR Chhattisgarh                                                 | 685     | 28.03.16(A)  | RFD        |
| 40                    | Talwandi Sabo TPP, Unit-3, Tal. Sabo Power                                             | 660     | 29.03.16(A)  | RFD        |
| 41                    | Vizag TPP, Unit-2, Hinduja National Power Co Ltd                                       | 520     | 30.03.16(A)  | Additional |
| 42                    | Anuppur TPP Ph-I, Unit-2, MB Power(MP)                                                 | 600     | 30.03.16(A)  | Additional |
|                       | Total Private Sector                                                                   | 12705   |              |            |
|                       | Total Thermal Capacity Addition in 2015-16                                             | 22460.6 |              |            |

### 3 (d). Thermal Projects Commissioned During the year 2016-17

| S.No                  | Project Name & Unit No./<br>Implementing Agency          | Capacity<br>( MW) | Date of<br>Commissioning | Remarks    |
|-----------------------|----------------------------------------------------------|-------------------|--------------------------|------------|
| <b>Central Sector</b> |                                                          |                   |                          |            |
|                       |                                                          |                   |                          |            |
|                       | <b>Total Central Sector</b>                              | <b>0</b>          |                          |            |
| <b>State Sector</b>   |                                                          |                   |                          |            |
| <b>1.</b>             | <b>Bhavnagar TPP, Unit-1, BECL</b>                       | <b>250</b>        | <b>16.05.16 (A)</b>      | <b>RFD</b> |
| <b>.</b>              | <b>Total of State Sector</b>                             | <b>250</b>        |                          |            |
| <b>Private Sector</b> |                                                          |                   |                          |            |
| <b>2.</b>             | <b>Lalitpur TPP, Unit-3, Lalitpur Power Gen. Co. Ltd</b> | <b>660</b>        | <b>01.04.16 (A)</b>      | <b>RFD</b> |
| <b>3.</b>             | <b>ITPCL TPP, Unit-2, ILFS</b>                           | <b>600</b>        | <b>18.04.16 (A)</b>      | <b>RFD</b> |
|                       | <b>Total Private Sector</b>                              | <b>1260</b>       |                          |            |
|                       | <b>Total Thermal Capacity Addition in 2016-17</b>        | <b>1510</b>       |                          |            |

### 4. Thermal Capacity Addition Target/Achievement for the year 2012-13

| S.No                         | Project Name                 | Impl Agency | Targeted Cap.<br>(MW) | Q1          | Q2          | Q3            | Q4          | Cap. (MW)<br>Achieved |
|------------------------------|------------------------------|-------------|-----------------------|-------------|-------------|---------------|-------------|-----------------------|
| <b><u>CENTRAL SECTOR</u></b> |                              |             |                       |             |             |               |             |                       |
| 1                            | Vindhyachal STPS-IV, U-11    | NTPC        | 500                   |             | 500         |               |             | 500                   |
| 2                            | Rihand STPS- III, U-5        | NTPC        | 500                   | 500         |             |               |             | 500                   |
| 3                            | Sipat-I, U-3                 | NTPC        | 660                   | 660         |             |               |             | 660                   |
| 4                            | Mouda TPP, U-1               | NTPC        | 500                   |             | 500         |               |             | 500                   |
| 5                            | Indira Gandhi TPP, U-3       | APCPL       | 500                   |             |             | 500           |             | 500                   |
| 6                            | Vallur TPP Ph I U-2          | NTECL       | 500                   |             |             |               | 500         | 500                   |
| 7                            | Koderma TPP U-2              | DVC         | 500                   |             |             | 500           |             | 500                   |
| 8                            | Tripura Gas, Module-1        | ONGC        | 363.3                 |             |             | 363.3         |             | 363.3                 |
|                              | <b>Total -Central sector</b> |             | <b>4023.3</b>         | <b>1160</b> | <b>1000</b> | <b>1363.3</b> | <b>500</b>  | <b>4023.3</b>         |
| <b><u>STATE SECTOR</u></b>   |                              |             |                       |             |             |               |             |                       |
| 9                            | Marwa TPP, U-1               | CSEB        | 500                   |             |             |               | 500         |                       |
| 10                           | Pragati CCGT - III , GT-3    | PPCL        | 250                   |             | 250         |               |             | 250                   |
| 11                           | Pipavav CCPP, Block-2        | GSECL       | 351                   |             |             |               | 351         | 351                   |
| 12                           | Ukai TPP Extn. U-6           | GSECL       | 490                   |             |             | 490           |             | 500                   |
| 13                           | Ramgarh GT,                  | RRVUNL      | 110                   |             |             |               | 110         | 110                   |
| 14                           | Ramgarh ST                   | RRVUNL      | 50                    |             |             |               | 50          |                       |
| 15                           | Satpura TPS Extn , U-10      | MPPGCL      | 250                   |             |             |               | 250         | 250                   |
| 16                           | North Chennai Extn, U-2      | TNEB        | 600                   |             |             |               | 600         | 600                   |
| 17                           | Mettur TPS Ext, U-1          | TNEB        | 600                   | 600         |             |               |             | 600                   |
| 18                           | Parichha Extn, U-5           | UPRVUNL     | 250                   | 250         |             |               |             | 250                   |
| 19                           | Parichha Extn, U-6           | UPRVUNL     | 250                   |             | 250         |               |             | 250                   |
| 20                           | Harduaganj Ext, U-9          | UPRVUNL     | 250                   | 250         |             |               |             | 250                   |
|                              | <b>Total -State sector</b>   |             | <b>3951</b>           | <b>1100</b> | <b>500</b>  | <b>490</b>    | <b>1861</b> | <b>3411</b>           |
| <b><u>PRIVATE SECTOR</u></b> |                              |             |                       |             |             |               |             |                       |
| 21                           | Simhapuri Ph-I, U-2          | Madhucon    | 150                   |             | 150         |               |             | 150                   |
| 22                           | Thamminapatnam TPP-I         | Meenakshi   | 150                   |             | 150         |               |             | 150                   |
| 23                           | Thamminapatnam TPP-I, U-2    | Meenakshi   | 150                   |             |             | 150           |             |                       |
| 24                           | Vandana Vidyut TPP, U-1      | Vandana     | 135                   |             |             | 135           |             |                       |
| 25                           | Kasaipalli TPP , U-2         | ACB         | 135                   | 135         |             |               |             | 135                   |
| 26                           | Swastik Korba , U-1          | ACB         | 25                    | 25          |             |               |             |                       |

|                                             |                                                  |               |                |             |             |               |             |                |
|---------------------------------------------|--------------------------------------------------|---------------|----------------|-------------|-------------|---------------|-------------|----------------|
| 27                                          | Mundra UMTTP, U-2                                | Tata Power    | 800            |             |             | 800           |             | 800            |
| 28                                          | Salaya TPP, U-2                                  | Essar Power   | 600            |             | 600         |               |             | 600            |
| 29                                          | Jajjar TPS ( Mahatama Gandhi TPP ) , U-2         | CLP Power     | 660            | 660         |             |               |             | 660            |
| 30                                          | Mahadev Pd, TPP, U-1                             | Adhunik Power | 270            |             | 270         |               |             | 270            |
| 31                                          | Corporate Power Ltd -Ph-I ( Maitrishi Usha), U-1 | Corporate     | 270            |             |             | 270           |             |                |
| 32                                          | Butibori TPP Ph-II, U-1                          | RPL           | 300            |             | 300         |               |             | 300            |
| 33                                          | Bela TPP-I, U-1                                  | IEPL          | 270            |             | 270         |               |             | 270            |
| 34                                          | EMCO Warora TPP, U-1                             | EMCO GMR)     | 300            |             |             | 300           |             | 300            |
| 35                                          | Tirora TPP Ph-I, U-1                             | Adani Power   | 660            |             | 660         |               |             | 660            |
| 36                                          | Tirora TPP Ph-I, U-2                             | Adani Power   | 660            |             |             | 660           |             | 660            |
| 37                                          | Tirora TPP Ph-II, U-1                            | Adani Power   | 660            |             |             |               | 660         |                |
| 38                                          | Bina TPP, U-1                                    | Bina Power    | 250            |             | 250         |               |             | 250            |
| 39                                          | Jallipa-Kapurdi TPP, U-5                         | Raj West      | 135            |             |             |               | 135         | 135            |
| 40                                          | Sterlite TPP, U-4                                | Sterlite      | 600            | 600         |             |               |             | 600            |
| <b>Total -Private sector</b>                |                                                  |               | <b>7180</b>    | <b>1420</b> | <b>2650</b> | <b>2315</b>   | <b>795</b>  | <b>5940</b>    |
| <b>Total</b>                                |                                                  |               | <b>15154.3</b> | <b>3680</b> | <b>4150</b> | <b>4168.3</b> | <b>3156</b> | <b>13374.3</b> |
| <b>Thermal</b>                              |                                                  |               | <b>15154.3</b> |             |             |               |             |                |
| <b>Overall Central Sector</b>               |                                                  |               | <b>4023.3</b>  | <b>1160</b> | <b>1000</b> | <b>1363.3</b> | <b>500</b>  | <b>4023.3</b>  |
| <b>Overall State Sector</b>                 |                                                  |               | <b>3951</b>    | <b>1100</b> | <b>500</b>  | <b>490</b>    | <b>1861</b> | <b>3411</b>    |
| <b>Overall Private Sector</b>               |                                                  |               | <b>7180</b>    | <b>1420</b> | <b>2650</b> | <b>2315</b>   | <b>795</b>  | <b>5940</b>    |
| <b>Total Thermal</b>                        |                                                  |               | <b>15154.3</b> | <b>3680</b> | <b>4150</b> | <b>4168.3</b> | <b>3156</b> | <b>13374.3</b> |
| <b>Total Hydro</b>                          |                                                  |               | <b>802</b>     | <b>127</b>  | <b>269</b>  | <b>234</b>    | <b>172</b>  | <b>501</b>     |
| <b>Grand Total of 2012-13</b>               |                                                  |               | <b>15956.3</b> | <b>3807</b> | <b>4419</b> | <b>4402.3</b> | <b>3328</b> | <b>13875.3</b> |
| <b>Additional Capacity</b>                  |                                                  |               |                |             |             |               |             |                |
| Vindhyachal STPS-IV, U-12, NTPC             |                                                  |               |                |             |             |               |             | 500            |
| Mouda TPP, U-2, NTPC                        |                                                  |               |                |             |             |               |             | 500            |
| Korba West Extn., St. III TPP, CSEB         |                                                  |               |                |             |             |               |             | 500            |
| GEPL TPP, U-1, GEPL                         |                                                  |               |                |             |             |               |             | 60             |
| GEPL TPP, U-2, GEPL                         |                                                  |               |                |             |             |               |             | 60             |
| Mundra UMTTP, U-3, Tata Power               |                                                  |               |                |             |             |               |             | 800            |
| Mundra UMTTP, U-4, Tata Power               |                                                  |               |                |             |             |               |             | 800            |
| Mundra UMTTP, U-5, Tata Power               |                                                  |               |                |             |             |               |             | 800            |
| Uno Sugan CCPP, Module-1, Torrent Power Ltd |                                                  |               |                |             |             |               |             | 382.5          |
| Ratija TPP, U-1, SCPL                       |                                                  |               |                |             |             |               |             | 50             |
| Mahan TPP, -1, Essar Power Ltd              |                                                  |               |                |             |             |               |             | 600            |
| Jallipa-Kapurdi TPP, U-6, Raj West          |                                                  |               |                |             |             |               |             | 135            |
| Jallipa-Kapurdi TPP, U-7, Raj West          |                                                  |               |                |             |             |               |             | 135            |
| Jallipa-Kapurdi TPP, U-8, Raj West          |                                                  |               |                |             |             |               |             | 135            |
| Tuticorin TPP, U-1, Ind Barath              |                                                  |               |                |             |             |               |             | 150            |
| Amravati TPP, U-1, Indiabulls               |                                                  |               |                |             |             |               |             | 270            |
| Kamalanga TPP, U-1, GMR                     |                                                  |               |                |             |             |               |             | 350            |
| Mahadev Pd, TPP, U-2, Adhunik Power Ltd     |                                                  |               |                |             |             |               |             | 270            |
| Bina TPP, U-2, Bina Power Ltd               |                                                  |               |                |             |             |               |             | 250            |
| Additional Total                            |                                                  |               |                |             |             |               |             | 6747.5         |
| Thermal Total                               |                                                  |               |                |             |             |               |             | 20121.8        |

#### 4a. Thermal Capacity Addition Target (RFD)/Achievement during the Year 13-14

| Sl. No. | Project Name                    | Developer    | Capacity (MW) | Q1  | Q2    | Q3   | Q4   | Cap. (MW) Achieved |
|---------|---------------------------------|--------------|---------------|-----|-------|------|------|--------------------|
|         |                                 |              | 2013-14       |     |       |      |      |                    |
|         | <b>Central Sector</b>           |              |               |     |       |      |      |                    |
| 1       | Barh II U-4                     | NTPC         | 660           |     |       | 660  |      | 660                |
| 2       | Vallur (Ennore) TPP U-3         | NTPC/TNEB JV | 500           |     |       |      | 500  | 500                |
| 3       | Tuticorin TPPU-1                | NLC/TNEB JV  | 500           |     |       |      | 500  |                    |
| 4       | Tripura CCGT, Block-2           | ONGC JV      | 363.3         |     | 363.3 |      |      |                    |
| 5       | Rihand STPS-III U-6             | NTPC         | 500           |     |       | 500  |      | 500                |
| 6       | Raghunathpur TPP U-1            | DVC          | 600           |     |       |      | 600  |                    |
|         | Sub-total                       |              | 3123.3        | 0   | 363.3 | 1160 | 1600 | 1660               |
|         | <b>State Sector</b>             |              |               |     |       |      |      |                    |
| 7       | Marwa TPP U- 1                  | CSEB         | 500           |     | 500   |      |      | 500                |
| 8       | Pragati -III CCGT (Bawana) GT-4 | PPCL         | 250           | 250 |       |      |      | 250                |
| 9       | Pragati -III CCGT (Bawana) ST-2 | PPCL         | 250           |     | 250   |      |      | 250                |
| 10      | Pipavav JV CCGT Block-1         | GSECL        | 351           |     | 351   |      |      | 351                |

|    |                                                      |                            |         |        |        |      |      |       |
|----|------------------------------------------------------|----------------------------|---------|--------|--------|------|------|-------|
| 11 | Shree Singaji TPP U-1                                | MPPGCL                     | 600     | 600    |        |      |      | 600   |
| 12 | Satpura TPS U-11                                     | MPPGCL                     | 250     |        |        | 250  |      | 250   |
| 13 | Chandrapur TPP Ext. U 8                              | MAHGENCO                   | 500     |        |        | 500  |      |       |
| 14 | Kalisindh TPP U1                                     | RRVUNL                     | 600     |        |        | 600  |      |       |
| 15 | Chhabra TPP Ext U-3                                  | RRVUNL                     | 250     | 250    |        |      |      | 250   |
| 16 | Chhabra TPP Ext U-4                                  | RRVUNL                     | 250     |        |        |      | 250  |       |
| 17 | Ramgarh ST                                           | RRVUNL                     | 50      |        |        | 50   |      |       |
| 18 | North Chennai TPP Ext U-1                            | TNEB                       | 600     |        | 600    |      |      | 600   |
|    | Sub-total                                            |                            | 4451    | 1100   | 1701   | 1400 | 250  | 3051  |
|    | Private Sector                                       |                            |         |        |        |      |      |       |
| 19 | Vizag TPP,U-1                                        | Hinduja                    | 520     |        |        |      | 520  |       |
| 20 | Thamminapatnam TPP U-2                               | Meenakshi Energy           | 150     |        | 150    |      |      | 150   |
| 21 | Tamnar TPP U-1                                       | Jindal Power               | 600     |        |        |      | 600  | 600   |
| 22 | Vandana Vidyut TPP U-1                               | Vandana Vidyut             | 135     | 135    |        |      |      |       |
| 23 | D B Power TPP U-1                                    | DB Power Ltd               | 600     |        |        | 600  |      | 600   |
| 24 | Swastik Korba TPP U-1                                | ACB                        | 25      |        |        | 25   |      |       |
| 25 | AkaltaraTPP U-1                                      | KSK Mahanadi               | 600     |        | 600    |      |      | 600   |
| 26 | Sasan UMPP U-3                                       | Reliance Power             | 660     | 660    |        |      |      | 660   |
| 27 | Sasan UMPP U-2                                       | Reliance Power             | 660     |        | 660    |      |      | 660   |
| 28 | Nasik TPP Ph-I,U-1                                   | India Bulls                | 270     |        | 270    |      |      | 270   |
| 29 | Dhariwal Infrastructure (P) Ltd TPP U-1              | Dhariwal Infrastructure    | 300     | 300    |        |      |      | 300   |
| 30 | Dhariwal Infrastructure (P) Ltd TPP U-2              | Dhariwal Infrastructure    | 300     |        |        | 300  |      |       |
| 31 | EMCO Warora TPP U-2                                  | GMR EMCO Energy Ltd        | 300     | 300    |        |      |      | 300   |
| 32 | Tiroda TPP Ph-II, U-1                                | Adani Power                | 660     | 660    |        |      |      | 660   |
| 33 | Derang TPP U1                                        | Jindal India Thermal Power | 600     |        |        | 600  |      |       |
| 34 | Kamalanga TPP U-2                                    | GMR Energy                 | 350     |        | 350    |      |      | 350   |
| 35 | Goindwal Sahib TPP U-1                               | GVK Industries             | 270     | 270    |        |      |      |       |
| 36 | Talwandi Sabo TPP U-1                                | Sterlite                   | 660     |        |        |      | 660  |       |
|    | Sub-total                                            |                            | 7660    | 2325   | 2030   | 1525 | 1780 | 5150  |
|    | Total                                                |                            | 15234.3 | 3425   | 4094.3 | 4085 | 3630 | 9861  |
|    |                                                      | Capacity (MW)              |         | Q1     | Q2     | Q3   | Q4   |       |
|    | Overall Central Sector                               | 3123.3                     |         | 0      | 363.3  | 1160 | 1600 | 1660  |
|    | Overall State Sector                                 | 4451                       |         | 1100   | 1701   | 1400 | 250  | 3051  |
|    | Overall Private Sector                               | 7660                       |         | 2325   | 2030   | 1525 | 1780 | 5150  |
|    | Total Thermal                                        | 15234,3                    |         | 3425   | 4094.3 | 4085 | 3630 | 9861  |
|    | Total Hydro                                          | 1198                       |         | 347.5  | 329.5  | 185  | 336  | 1058  |
|    | Grand Total of 2013-14                               | 16432,3                    |         | 3772.5 | 4423.8 | 4270 | 3966 | 10919 |
|    | Additional Capacity                                  |                            |         |        |        |      |      |       |
|    | DPL TPS Extn, U-8, DPL                               |                            |         |        |        |      |      | 250   |
|    | Rokhia CCPP, U-9, Govt of Tripura                    |                            |         |        |        |      |      | 21    |
|    | Kawai TPP, U-1, Adani Power                          |                            |         |        |        |      |      | 660   |
|    | Kawai TPP, U-2, Adani Power                          |                            |         |        |        |      |      | 660   |
|    | Niwati TPP, U-1, BLA Power Ltd                       |                            |         |        |        |      |      | 45    |
|    | Tuticorin TPP, U-2, Ind Barath                       |                            |         |        |        |      |      | 150   |
|    | Rajpura TPP, U-1, Nabha Power                        |                            |         |        |        |      |      | 700   |
|    | Degen CCPP, Block-1, Torrent Power                   |                            |         |        |        |      |      | 400   |
|    | Amaravati TPP Ph-I, U-2, India bulls Power Ltd       |                            |         |        |        |      |      | 270   |
|    | Simhapuri TPS Ph-II, U-3, Simhapuri Energy Pvt. Ltd. |                            |         |        |        |      |      | 150   |

|  |                                                    |  |  |  |  |       |
|--|----------------------------------------------------|--|--|--|--|-------|
|  | Degen CCPP, Block-2, Torrent Power                 |  |  |  |  | 400   |
|  | Kamalanga TPP, U-3, GMR Energy                     |  |  |  |  | 350   |
|  | Tirora TPP Ph-II, U-2, Adani Power                 |  |  |  |  | 660   |
|  | Sasn UMPP, U-4, Reliance Power                     |  |  |  |  | 660   |
|  | Tamnar TPP, U-2, Jindal Poer                       |  |  |  |  | 600   |
|  | Chakabura tPP, U-1, ACBIL                          |  |  |  |  | 30    |
|  | Avantha Bhandar TPP, U-1, KWPCL                    |  |  |  |  | 600   |
|  | Butibori TPP, Ph-II, U-2, Vidarbha Ind. Power Ltd. |  |  |  |  | 300   |
|  | Additional Total Thermal                           |  |  |  |  | 6906  |
|  | Total Thermal                                      |  |  |  |  | 16767 |
|  | Total Capacity (2013-14)                           |  |  |  |  | 17825 |

**4b. Thermal Capacity Addition Target (RFD)/Achievement for the year 2014-15**

| State                    | Project Name              | Impl Agency                            | Unit No | Cap. (MW) | Q-1  | Q-2   | Q-3  | Q-4  | Cap. (MW) Achieved |
|--------------------------|---------------------------|----------------------------------------|---------|-----------|------|-------|------|------|--------------------|
| <b>CENTRAL SECTOR</b>    |                           |                                        |         |           |      |       |      |      |                    |
| Bihar                    | Barh STPP-II              | NTPC                                   | U-5     | 660       |      |       |      | 660  | 660                |
|                          | Muzaffarpur TPS Exp       | KBUNL (JV of NTPC & BSEB)              | U-3     | 195       |      |       |      | 195  | 195                |
| TN                       | Tuticorin TPP             | NTPL( JV of NLC & TANGEDCO)            | U-1     | 500       |      |       | 500  |      | 500                |
|                          |                           |                                        | U-2     | 500       |      |       |      | 500  |                    |
| Tripura                  | Palatana CCPP             | OTPC (JV of ILFS, ONGC & Tripura Govt) | BLK-2   | 363.3     |      | 363.3 |      |      | 363.3              |
| WB                       | Raghunathpur TPP, Ph-I    | DVC                                    | U-1     | 600       |      | 600   |      |      | 600                |
| Sub Total Central Sector |                           |                                        |         | 2818.3    | 0    | 963.3 | 500  | 1355 | 2318.3             |
| <b>STATE SECTOR</b>      |                           |                                        |         |           |      |       |      |      |                    |
| AP                       | Damodaram Sanjeevaiah TPP | APPDCL                                 | U-1     | 800       | 800  |       |      |      | 800                |
|                          |                           |                                        | U-2     | 800       |      |       |      | 800  | 800                |
| Chhattisgarh             | Marwa TPP                 | CSPGCL                                 | U-2     | 500       |      |       | 500  |      |                    |
| Maharashtra              | Chandrapur TPS            | MSPGCL                                 | U-8     | 500       |      |       | 500  |      | 500                |
|                          | Koradi TPS Expn.          | MSPGCL                                 | U-8     | 660       |      |       | 660  |      | 660                |
|                          | Koradi TPS Expn.          | MSPGCL                                 | U-9     | 660       |      |       |      | 660  |                    |
|                          | Parli TPS Expn.           | MSPGCL                                 | U-8     | 250       |      |       | 250  |      |                    |
| MP                       | Malwa TPP (Shree Singaji) | MPPGCL                                 | U-2     | 600       |      | 600   |      |      | 600                |
| Rajasthan                | Kalisindh TPP             | RRVUNL                                 | U-1     | 600       | 600  |       |      |      | 600                |
|                          | Kalisindh TPP             |                                        | U-2     | 600       |      |       |      | 600  |                    |
|                          | Ramgarh CCPP              |                                        | ST      | 50        |      | 50    |      |      | 50                 |
|                          | Chhabra TPP               |                                        | U-4     | 250       | 250  |       |      |      | 250                |
| UP                       | Anpara-D TPS              | UPRVUNL                                | U- 6    | 500       |      |       |      | 500  |                    |
|                          | Sub Total State Sector    |                                        |         | 6770      | 1650 | 650   | 1910 | 2560 | 4260               |
| <b>PRIVATE SECTOR</b>    |                           |                                        |         |           |      |       |      |      |                    |
| AP                       | Painampuram TPP           | Thermal Power Tech Corp.Ltd            | U-1     | 660       |      |       | 660  |      | 660                |
|                          | Vizag TPP                 | Hinduja National Power Corp.Ltd        | U-1     | 520       |      |       | 520  |      |                    |
| Chhattisgarh             | Swastic Korba TPP         | ACB India Ltd.                         | U-1     | 25        |      |       | 25   |      | 25                 |
|                          | Salora TPP                | Vandana Vidyut Ltd                     | U-1     | 135       |      | 135   |      |      | 135                |
|                          | Bandakhar TPP             | Maruti Clean Coal                      | U-1     | 300       |      |       |      | 300  |                    |
| Maharashtra              | Amravati TPP Ph-I         | India Bulls Power Ltd                  | U-3     | 270       |      |       | 270  |      | 270                |
|                          | Nasik TPP Ph-I            | India Bulls Realtech                   | U-2     | 270       |      | 270   |      |      |                    |
|                          | Dhariwal TPP              | Dhariwal Infrastructure Ltd            | U-2     | 300       | 300  |       |      |      | 300                |
| Orissa                   | Derang TPP                | JIPL                                   | U-1     | 600       | 600  |       |      |      | 600                |
| Punjab                   | Rajpura TPP (Nabha)       | Nabha Power Ltd                        | U-2     | 700       |      | 700   |      |      | 700                |
|                          | Talwandi Sabo TPP         | M/s Sterlite                           | U-1     | 660       | 660  |       |      |      | 660                |
|                          |                           | M/s Sterlite                           | U-2     | 660       |      | 660   |      |      |                    |
| WB                       | Haldia TPP                | M/s Haldia Energy Ltd.                 | U-1     | 300       |      |       | 300  |      | 300                |

|  |                                                        |  |         |      |        |      |      |          |
|--|--------------------------------------------------------|--|---------|------|--------|------|------|----------|
|  | Sub Total Private Sector                               |  | 5400    | 1560 | 1765   | 1775 | 300  | 3650     |
|  | Total Thermal                                          |  | 14988.3 | 3210 | 3378.3 | 4185 | 4215 | 10228.3  |
|  |                                                        |  |         | Q-1  | Q-2    | Q-3  | Q-4  |          |
|  | Overall Central Sector                                 |  | 2818.3  | 0    | 963.3  | 500  | 1355 | 2318.3   |
|  | Overall State Sector                                   |  | 6770    | 1650 | 650    | 1910 | 2560 | 4260.0   |
|  | Overall Private Sector                                 |  | 5370    | 1560 | 2035   | 1775 | 0    | 3650.0   |
|  | Total Thermal                                          |  | 14958.3 | 3210 | 3648.3 | 4185 | 3915 | 10228.3  |
|  | Total Hydro                                            |  | 842     | 206  | 235.0  | 65   | 336  | 336.01   |
|  | Grand Total of 2014-15                                 |  | 15800.3 | 3416 | 3883.3 | 4250 | 4251 | 10564.31 |
|  | Additional Capacity                                    |  |         |      |        |      |      |          |
|  | D gen CCPP, Block-1, Torrent Power(P)                  |  |         |      |        |      |      | 400      |
|  | Dhuvran CCPP, Unit-1, GSECL(S)                         |  |         |      |        |      |      | 376.1    |
|  | Sasan UMPP, Unit-1, SPL                                |  |         |      |        |      |      | 660      |
|  | Akaltara TPP, Unit-2, KSK                              |  |         |      |        |      |      | 600      |
|  | Sasan UMPP, Unit - 5, SPL                              |  |         |      |        |      |      | 660      |
|  | Nigrie TPP, Unit – 1,JPVL,                             |  |         |      |        |      |      | 660      |
|  | Tirora TPP Phase-II, Adani Power Maharashtra Pvt. Ltd. |  |         |      |        |      |      | 660      |
|  | Mutiara TPP Unit-1, Coastal Energen                    |  |         |      |        |      |      | 600      |
|  | Tamnar TPP, Unit-3, Jindal Power                       |  |         |      |        |      |      | 600      |
|  | Neyveli TPS-II Exp. , U-2, NLC                         |  |         |      |        |      |      | 250      |
|  | Derang TPP, U- 2, JPL                                  |  |         |      |        |      |      | 600      |
|  | Haldia TPP-I, Unit-2, M/s Haldia Energy Ltd.           |  |         |      |        |      |      | 300      |
|  | Nigrie TPP, U-2, JPVL                                  |  |         |      |        |      |      | 660      |
|  | Raikheda TPP, U-1, GMR Chhattisgarh                    |  |         |      |        |      |      | 685      |
|  | Amravati TPP Ph-I, Unit-4, India Bulls                 |  |         |      |        |      |      | 270      |
|  | Simhapuri Ph-II,U-4, Simhapuri Energy Power Ltd        |  |         |      |        |      |      | 150      |
|  | Amravati TPP Ph-I, Unit-5, India Bulls                 |  |         |      |        |      |      | 270      |
|  | Sasan UMPP, U-6, SPL                                   |  |         |      |        |      |      | 660      |
|  | Agartala CCPP, ST-1, NEEPCO                            |  |         |      |        |      |      | 25.5     |
|  | Badadarha TPP, U-2, D.B.Power Ltd.                     |  |         |      |        |      |      | 600      |
|  | Tamnar (TPP) Raigarh, U-4, Jindal Power                |  |         |      |        |      |      | 600      |
|  | Sikka TPP Extn. (SS), U-3, GSECL                       |  |         |      |        |      |      | 250      |
|  | Monarchak CCPP, GT, NEEPCO                             |  |         |      |        |      |      | 65.4     |
|  |                                                        |  |         |      |        |      |      |          |
|  | Additional Total Thermal                               |  |         |      |        |      |      | 10602.0  |
|  | Total Thermal Capacity Addition                        |  |         |      |        |      |      | 10228.3  |
|  | Total Capacity Addition                                |  |         |      |        |      |      | 20830.3  |

| <b>4c. THERMAL CAPACITY ADDITION PROGRAMME (RFD) FOR THE YEAR 2015-16</b> |                        |                                      |         |               |              |              |             |             |                        |
|---------------------------------------------------------------------------|------------------------|--------------------------------------|---------|---------------|--------------|--------------|-------------|-------------|------------------------|
| State                                                                     | Project Name           | Impl Agency                          | Unit No | Cap. (MW)     | Q1           | Q2           | Q3          | Q4          | Capacity (MW) Achieved |
| <b><u>CENTRAL SECTOR</u></b>                                              |                        |                                      |         |               |              |              |             |             |                        |
| Assam                                                                     | Bongaigaon TPP         | NTPC                                 | U-1     | 250           | 250          |              |             |             | 250                    |
| Bihar                                                                     | Muzaffarpur            | NTPC                                 | U-4     | 195           |              |              |             | 195         |                        |
| MP                                                                        | Vindhyachal TPP-V      | NTPC                                 | U-13    | 500           |              |              | 500         |             | 500                    |
| Tripura                                                                   | Agratala CCPP          | NEEPCO                               | ST-1    | 25.5          | 25.5         |              |             |             |                        |
| Tripura                                                                   | Monarchak CCPP         | NEEPCO                               | ST      | 35.6          |              | 35.6         |             |             | 35.6                   |
| TN                                                                        | Tuticorin TPP          | NLC                                  | U-2     | 500           |              | 500          |             |             | 500                    |
| WB                                                                        | Raghunathpur TPP, Ph-I | DVC                                  | U-2     | 600           |              |              |             | 600         | 600                    |
|                                                                           |                        | <b>Total Central Sector</b>          |         | <b>2106.1</b> | <b>275.5</b> | <b>535.6</b> | <b>500</b>  | <b>795</b>  | <b>1885.6</b>          |
| <b><u>STATE SECTOR</u></b>                                                |                        |                                      |         |               |              |              |             |             |                        |
| Chhattisgarh                                                              | Marwa TPP              | CSPGCL                               |         | U-4           | 500          | 500          |             |             |                        |
| Gujarat                                                                   | Sikka TPS              | GSECL                                | U-4     | 250           |              |              | 250         |             | 250                    |
| Karnataka                                                                 | Bellary TPS St-III     | KPCL                                 | U-3     | 700           |              |              | 700         |             | 700                    |
| Karnataka                                                                 | Yermarus TPP           | KPCL                                 | U-1     | 800           |              |              |             | 800         | 800                    |
| Maharashtra                                                               | Chandrapur TPS         | MSPGCL                               | U-9     | 500           |              |              | 500         |             | 500                    |
| Maharashtra                                                               | Koradi TPS Expn.       | MSPGCL                               | U-9     | 660           |              | 660          |             |             | 660                    |
| Maharashtra                                                               | Koradi TPS Expn.       | MSPGCL                               | U-10    | 660           |              |              |             | 660         |                        |
| Maharashtra                                                               | Parli TPS              | MSPGCL                               | U-8     | 250           |              |              |             | 250         | 250                    |
| Rajasthan                                                                 | Kalisindh TPP          | RVUNL                                | U-2     | 600           | 600          |              |             |             | 600                    |
| Telangana                                                                 | Singareni TPP          | Singareni Collieries Co Ltd          | U-1     | 600           |              |              |             | 600         | 600                    |
| Telangana                                                                 | Kakatiya TPS Extn.     | T GENCO                              | U-1     | 600           |              |              | 600         |             | 600                    |
| UP                                                                        | Anpara-D TPS           | UPRVUNL                              | U- 6    | 500           | 500          |              |             |             | 500                    |
| UP                                                                        | Anpara-D TPS           | UPRVUNL                              | U- 7    | 500           |              |              | 500         |             | 500                    |
| WB                                                                        | Sagardighi TPS-Extn    | West Bengal                          | U-3     | 500           |              | 500          |             |             | 500                    |
| WB                                                                        | Sagardighi TPS-Extn    | West Bengal                          | U-4     | 500           |              |              |             | 500         |                        |
|                                                                           |                        | <b>Total State Sector</b>            |         | <b>8120</b>   | <b>1100</b>  | <b>1660</b>  | <b>2550</b> | <b>2810</b> | <b>6460</b>            |
| <b><u>PRIVATE SECTOR</u></b>                                              |                        |                                      |         |               |              |              |             |             |                        |
| AP                                                                        | Painampuram TPP        | Thermal Power Tech Corporation Ltd   | U-2     | 660           |              | 660          |             |             | 660                    |
| AP                                                                        | Vizag TPP              | Hinduja National Power Corp. Ltd     | U-1     | 520           |              |              | 520         |             | 520                    |
| Chhattisgarh                                                              | Bandakhar TPP          | M/s Maruti Clean (Chhattisgarh) Ltd. | U-1     | 300           | 300          |              |             |             | 300                    |
| Chhattisgarh                                                              | Uchpinda TPP           | RKM Powergen Pvt. Ltd                | U-1     | 360           | 360          |              |             |             | 360                    |
| Chhattisgarh                                                              | BALCO TPP              | BALCO Pvt Ltd                        | U-1     | 300           | 300          |              |             |             | 300                    |
| Chhattisgarh                                                              | BALCO TPP              | BALCO Pvt Ltd                        | U-2     | 300           |              | 300          |             |             | 300                    |
| Chhattisgarh                                                              | Raikheda TPP           | GMR                                  | U-2     | 685           |              |              | 685         |             | 685                    |
| Chhattisgarh                                                              | Salora                 | Vandana Vidyut                       | U-2     | 135           |              | 135          |             |             |                        |
| Maharashtra                                                               | Nasik                  | Ratan India (Nasik) Power Ltd        | U-2     | 270           |              |              |             | 270         |                        |
| MP                                                                        | Anuppur TPP Ph-I       | MB Power(MP)                         | U-1     | 600           | 600          |              |             |             | 600                    |

|                                                                               |                         |                                                   |     |                |               |               |             |             |                |
|-------------------------------------------------------------------------------|-------------------------|---------------------------------------------------|-----|----------------|---------------|---------------|-------------|-------------|----------------|
| Orissa                                                                        | Ind Bharat TPP (Orissa) | Ind Barath                                        | U-1 | 350            |               |               | 350         |             | 350            |
| Punjab                                                                        | Talwandi Sabo TPP       | Talwandi Sabo Power Ltd                           | U-2 | 660            | 660           |               |             |             | 660            |
| Punjab                                                                        | Talwandi Sabo TPP       | Talwandi Sabo Power Ltd                           | U-3 | 660            |               |               | 660         |             | 660            |
| UP                                                                            | Lalitpur TPP            | Lalitpur Power Generation Co. Ltd (LPGCL)         | U-1 | 660            |               | 660           |             |             | 660            |
| UP                                                                            | Prayagraj (Bara ) TPP   | Prayagraj power Gen. Co. Ltd( J.P.Power Ventures) | U-1 | 660            |               |               | 660         |             | 660            |
|                                                                               |                         | <b>Total Private Sector</b>                       |     | <b>7120</b>    | 2220          | 1755          | 2875        | 270         | 6715           |
| <b>Grand Total 2015-16</b>                                                    |                         |                                                   |     | <b>17346.1</b> | <b>3595.5</b> | <b>3950.6</b> | <b>5925</b> | <b>3875</b> | <b>15060.6</b> |
|                                                                               |                         |                                                   |     |                | Q-1           | Q-2           | Q-3         | Q-4         |                |
| Overall Central Sector                                                        |                         |                                                   |     | 2106.1         | 275.5         | 535.6         | 500         | 795         | 1885.6         |
| Overall State Sector                                                          |                         |                                                   |     | 8120           | 1100          | 1660          | 2550        | 2810        | 6460.0         |
| Overall Private Sector                                                        |                         |                                                   |     | 7120           | 2220          | 1755          | 2875        | 270         | 6715.0         |
| Total Thermal                                                                 |                         |                                                   |     | 17346.1        | 3595.5        | 3950.6        | 5925        | 3875        | 15060.6        |
| Total Hydro                                                                   |                         |                                                   |     | 1691           | 830           | 518           | 88          | 255         | 1516           |
| Grand Total of 2015-16                                                        |                         |                                                   |     | 19037.1        | 4425.5        | 4468.6        | 6013        | 4130        | 16576.6        |
| Additional Capacity                                                           |                         |                                                   |     |                |               |               |             |             |                |
| <b>Central Sector</b>                                                         |                         |                                                   |     |                |               |               |             |             |                |
| Nabi Nagar TPP, NTPC                                                          |                         |                                                   |     | Unit-1         |               |               |             |             | 250            |
| Bokaro TPS 'A' Extn., DVC                                                     |                         |                                                   |     | Unit-1         |               |               |             |             | 500            |
| Mouda STPP-II                                                                 |                         |                                                   |     | Unit-3         |               |               |             |             | 660            |
| <b>Total Central Sector</b>                                                   |                         |                                                   |     |                |               |               |             |             | 1410           |
| <b>Private Sector</b>                                                         |                         |                                                   |     |                |               |               |             |             |                |
| Lanco Kondapalli Extn., Ph-III (PS), Lanco Kondapalli Power Co. Ltd. (LKPCL). |                         |                                                   |     | Block-I        |               |               |             |             | 371            |
|                                                                               |                         |                                                   |     | Block-II       |               |               |             |             | 371            |
| Vemagiri CCPP-II (PS), GMR Rajamundry Energy Ltd.                             |                         |                                                   |     | Block-I        |               |               |             |             | 384            |
|                                                                               |                         |                                                   |     | Block-II       |               |               |             |             | 384            |
| Vizag TPP, Hinduja National Power Corp. Ltd                                   |                         |                                                   |     | Unit-2         |               |               |             |             | 520            |
| Uchpinda TPP, RKM Powergen (P) Ltd                                            |                         |                                                   |     | Unit-2         |               |               |             |             | 360            |
| Anuppur TPP Ph-I, MB Power(MP)                                                |                         |                                                   |     | Unit-2         |               |               |             |             | 600            |
| Seioni TPP, Jhabua Power Ltd.                                                 |                         |                                                   |     | Unit-1         |               |               |             |             | 600            |
| Goindwal Sahib TPP, GVK Power                                                 |                         |                                                   |     | Unit-1         |               |               |             |             | 270            |
| Goindwal Sahib TPP, GVK Power                                                 |                         |                                                   |     | Unit-2         |               |               |             |             | 270            |
| ITPCL TPP, IL&FS TNPC Ltd.                                                    |                         |                                                   |     | Unit-1         |               |               |             |             | 600            |
| Melamaruthur(Mutiara) TPP, Coastal Energen                                    |                         |                                                   |     | Unit-2         |               |               |             |             | 600            |
| Lalitpur TPP, LPGCL                                                           |                         |                                                   |     | Unit-2         |               |               |             |             | 660            |
| <b>Total Private Sector</b>                                                   |                         |                                                   |     |                |               |               |             |             | 5990           |
| <b>Additional Total Thermal</b>                                               |                         |                                                   |     |                |               |               |             |             | 7400           |
| <b>Total Thermal Capacity Addition</b>                                        |                         |                                                   |     |                |               |               |             |             | 22460.6        |
| <b>Total Capacity Addition</b>                                                |                         |                                                   |     |                |               |               |             |             | 23976.6        |
|                                                                               |                         |                                                   |     |                |               |               |             |             |                |

| 4d. THERMAL CAPACITY ADDITION TARGET (RFD) FOR THE YEAR 2016-17 |                                  |                     |       |               |                      |      |      |      |                        |
|-----------------------------------------------------------------|----------------------------------|---------------------|-------|---------------|----------------------|------|------|------|------------------------|
| State                                                           | Project Name                     | Imp Agency          | Unit  | Capacity (MW) | Quarter wise Phasing |      |      |      | Capacity (MW) Achieved |
|                                                                 |                                  |                     |       |               | Q1                   | Q2   | Q3   | Q4   |                        |
| <b><u>CENTRAL SECTOR</u></b>                                    |                                  |                     |       |               |                      |      |      |      |                        |
| Bihar                                                           | Nabinagar TPP,                   | NTPC                | 2     | 250           |                      |      |      | 250  |                        |
| Mahararashtra                                                   | Mauda STPP-II                    | NTPC                | 4     | 660           |                      |      |      | 660  |                        |
| Chhastisgarh                                                    | Lara STPP                        | NTPC                | 1     | 800           |                      |      |      | 800  |                        |
| Bihar                                                           | Kanti TPS St-II                  | NTPC                | 4     | 195           |                      | 195  |      |      |                        |
| Karnatka                                                        | Kudgi TPP                        | NTPC                | 1     | 800           |                      | 800  |      |      |                        |
| Tripura                                                         | Agartala Gas Based Power Project | NEEPCO              | ST-1  | 25.5          | 25.5                 |      |      |      |                        |
|                                                                 | Total Central                    |                     |       | 2730.5        | 25.5                 | 995  | 0    | 1710 |                        |
| <b><u>STATE SECTOR</u></b>                                      |                                  |                     |       |               |                      |      |      |      |                        |
| Asam                                                            | Namrup CCGT                      | APGCL               | GT+ST | 100           |                      | 67   | 33   |      |                        |
| Bihar                                                           | Barauni TPP,                     | BSEB                | 8     | 250           |                      |      | 250  |      |                        |
| Chhastisgarh                                                    | Marwa TPS                        | CSPGCL              | 2     | 500           | 500                  |      |      |      |                        |
| Gujrat                                                          | Bhavnagar TPP                    | BECL                | 1     | 250           | 250                  |      |      |      | 250                    |
| Gujrat                                                          | Bhavnagar TPP                    | BECL                | 2     | 250           |                      |      | 250  |      |                        |
| Karnatka                                                        | Yermarus TPP                     | KPCL                | 2     | 800           |                      | 800  |      |      |                        |
| Mahararashtra                                                   | Koradi TPP                       | MSPGCL              | 10    | 660           |                      |      | 660  |      |                        |
| Telangan                                                        | Singreni TPP                     | SCCL                | 2     | 600           | 600                  |      |      |      |                        |
| West Bengal                                                     | Sagardighi TPS-II                | WBPDCCL             | 4     | 500           |                      |      | 500  |      |                        |
|                                                                 | Total State Sector               |                     |       | 3910          | 1350                 | 867  | 1693 | 0    |                        |
|                                                                 | <b><u>PRIVATE SECTOR</u></b>     |                     |       |               |                      |      |      |      |                        |
| Chhastisgarh                                                    | Nawapara TPP                     | TRN                 | 1     | 300           | 300                  |      |      |      |                        |
| Chhastisgarh                                                    | Nawapara TPP                     | TRN                 | 2     | 300           |                      |      | 300  |      |                        |
| Uttar pradesh                                                   | Bara TPP                         | Jaypee              | 2     | 660           |                      | 660  |      |      |                        |
| Tamilnadu                                                       | Utkal TPP                        | Ind Barath          | 2     | 350           |                      |      | 350  |      |                        |
| Chhastisgarh                                                    | Ucchpinda TPP                    | RKM                 | 3     | 360           |                      | 360  |      |      |                        |
| Tamilnadu                                                       | ITPCL TPP                        | ILFS                | 2     | 600           | 600                  |      |      |      | 600                    |
| Orissa                                                          | Lanco Babandh TPP                | Lanco Babandh       | 1     | 660           |                      |      |      | 660  |                        |
| Uttar pradesh                                                   | Lalitpur TPP                     | LPGCL               | 3     | 660           | 660                  |      |      |      | 660                    |
| Mahararashtra                                                   | Nashik TPP, Ph-I                 | Rattan Power        | 2     | 270           | 270                  |      |      |      |                        |
| Mahararashtra                                                   | Nashik TPP, Ph-I                 | Rattan Power        | 3     | 270           |                      |      | 270  |      |                        |
| Andhra pradesh                                                  | NCC TPP                          | NCC                 | 1     | 660           |                      | 660  |      |      |                        |
| Andhra pradesh                                                  | NCC TPP                          | NCC                 | 2     | 660           |                      |      | 660  |      |                        |
| Chhastisgarh                                                    | Binjkote TPP                     | SKS                 | 1     | 300           |                      |      | 300  |      |                        |
| Chhastisgarh                                                    | Athena Singhitari TPP            | Athena Chhattisgarh | 1     | 600           |                      |      | 600  |      |                        |
| West Bengal                                                     | Haldia TPP                       | India Power         | 1     | 150           |                      | 150  |      |      |                        |
|                                                                 | Total Private Sector             |                     |       | 6800          | 1830                 | 1830 | 2480 | 660  |                        |
|                                                                 | Grand Total 2016-17              |                     |       | 13440.5       | 3206                 | 3692 | 4173 | 2370 | 1510                   |
|                                                                 |                                  |                     |       |               |                      |      |      |      |                        |

|                                        |                | Q-1         | Q-2         | Q-3         | Q-4         |       |
|----------------------------------------|----------------|-------------|-------------|-------------|-------------|-------|
| Overall Central Sector                 | <b>2730.5</b>  | <b>25.5</b> | <b>995</b>  | <b>0</b>    | <b>1710</b> |       |
| Overall State Sector                   | <b>3910</b>    | <b>1350</b> | <b>867</b>  | <b>1693</b> | <b>0</b>    | 250.0 |
| Overall Private Sector                 | <b>6800</b>    | <b>1830</b> | <b>1830</b> | <b>2480</b> | <b>660</b>  | 1260  |
| Total Thermal                          | <b>13440.5</b> | <b>3206</b> | <b>3692</b> | <b>4173</b> | <b>2370</b> | 1510  |
| Total Hydro                            | 1714           |             |             |             |             | 65    |
| Grand Total of 2015-16                 | 15154.5        |             |             |             |             | 1575  |
| Additional Capacity                    |                |             |             |             |             |       |
| <b>Central Sector</b>                  |                |             |             |             |             |       |
|                                        |                |             |             |             |             |       |
| State Sector                           |                |             |             |             |             |       |
|                                        |                |             |             |             |             |       |
| Private Sector                         |                |             |             |             |             |       |
|                                        |                |             |             |             |             |       |
| <b>Additional Total Thermal</b>        |                |             |             |             |             | 0     |
| <b>Total Thermal Capacity Addition</b> |                |             |             |             |             | 1510  |
| <b>Total Capacity Addition</b>         |                |             |             |             |             | 1575  |

**5 THERMAL POWER PROJECTS COMMISSIONED DURING 11TH PLAN**

| <i>Sector<br/>State</i>      | <i>Project Name</i>         | <i>Impl.<br/>Agency</i> | <i>Unit<br/>No.</i> | <i>Cap.<br/>(MW)</i> | <i>Actual.<br/>Comm. Date</i> |
|------------------------------|-----------------------------|-------------------------|---------------------|----------------------|-------------------------------|
| <b>2007-08</b>               |                             |                         |                     |                      |                               |
| <b><u>CENTRAL SECTOR</u></b> |                             |                         |                     |                      |                               |
| <b>Bihar</b>                 | Kahalgao St-2, Ph-1         | NTPC                    | U-6                 | 500                  | <b>16-03-08</b>               |
| <b>Chhattisgarh</b>          | Sipat-II                    | NTPC                    | U-4                 | 500                  | <b>27-05-07</b>               |
| <b>Maharashtra</b>           | Ratnagiri(Dhabol) Ph-II     | RGPP                    | Block-3             | 740                  | <b>28-10-07</b>               |
| <b>WB</b>                    | Mejia TPS                   | DVC                     | U-6                 | 250                  | <b>01-10-07</b>               |
| <b>Sub Total :</b>           |                             |                         |                     | <b>1990</b>          |                               |
| <b><u>STATE SECTOR</u></b>   |                             |                         |                     |                      |                               |
| <b>AP</b>                    | Rayalseema TPP St-II        | APGENCO                 | U-4                 | 210                  | <b>20-11-07</b>               |
| <b>Chhattisgarh</b>          | Korba East TPP St-V         | CSEB                    | U-2                 | 250                  | <b>11-12-07</b>               |
| <b>Gujarat</b>               | Dhuvaran CAPP Extn.         | GSECL                   | ST                  | 40                   | <b>13-08-07</b>               |
| <b>Haryana</b>               | Yamuna Nagar TPP            | HPGCL                   | U-1                 | 300                  | <b>13-11-07</b>               |
|                              |                             |                         | U-2                 | 300                  | <b>29-03-08</b>               |
| <b>Karnataka</b>             | Bellary TPP                 | KPCL                    | U-1                 | 500                  | <b>03-12-07</b>               |
| <b>Maharashtra</b>           | Paras TPS Expn, U-1         | MSPGCL                  | U-1                 | 250                  | <b>31-05-07</b>               |
| <b>MP</b>                    | Sanjay Gandhi TPP Extn.-III | MPPGCL                  | U-5                 | 500                  | <b>18-06-07</b>               |
| <b>Punjab</b>                | Guru Har Govind TPS-II      | PSEB                    | U-3                 | 250                  | <b>03-01-08</b>               |
| <b>Rajasthan</b>             | Dholpur CCGT                | RRVUNL                  | GT-2                | 110                  | <b>16-06-07</b>               |
|                              |                             |                         | ST                  | 110                  | <b>27-12-07</b>               |
| <b>WB</b>                    | Bakreshwar TPS              | WBPDC                   | U-4                 | 210                  | <b>23-12-07</b>               |
| <b>WB</b>                    | Durgapur TPS Extn           | DPL                     | U-7                 | 300                  | <b>24-11-07</b>               |
| <b>WB</b>                    | Sagardighi TPP              | WBPDC                   | U-1                 | 300                  | <b>21-12-07</b>               |
| <b>WB</b>                    | Santaldih TPP Extn Ph-I     | WBPDC                   | U-5                 | 250                  | <b>07-11-07</b>               |
| <b>Sub Total :</b>           |                             |                         |                     | <b>3880</b>          |                               |
| <b><u>PRIVATE SECTOR</u></b> |                             |                         |                     |                      |                               |
| <b>Chhattisgarh</b>          | O.P.Jindal STPP             | Jindal Power Ltd.       | U-1                 | 250                  | <b>02-09-07</b>               |
|                              |                             |                         | U-2                 | 250                  | <b>06-03-08</b>               |
|                              |                             |                         | U-3                 | 250                  | <b>10-02-08</b>               |
| <b>Sub Total :</b>           |                             |                         |                     | <b>750</b>           |                               |
| <b>Total :</b>               |                             |                         |                     | <b>6620</b>          |                               |
| <b>2008-09</b>               |                             |                         |                     |                      |                               |
| <b><u>CENTRAL SECTOR</u></b> |                             |                         |                     |                      |                               |
| <b>Chhattisgarh</b>          | Bhilai TPP Expn             | NSPCL                   | U-1                 | 250                  | <b>20-04-08</b>               |
| <b>Chhattisgarh</b>          | Sipat-II                    | NTPC                    | U-5                 | 500                  | <b>27-12-08</b>               |
| <b>Sub Total :</b>           |                             |                         |                     | <b>750</b>           |                               |
| <b><u>STATE SECTOR</u></b>   |                             |                         |                     |                      |                               |
| <b>MP</b>                    | Amarkantak TPP              | MPPGCL                  | U-5                 | 210                  | <b>15-06-08</b>               |
| <b>Punjab</b>                | Guru Har Govind TPS-II      | PSEB                    | U-4                 | 250                  | <b>31-07-08</b>               |
| <b>TN</b>                    | Valuthur CAPP Extn.         | TNEB                    | GT                  | 59.8                 | <b>06-05-08</b>               |
|                              |                             |                         | ST                  | 32.4                 | <b>16-02-09</b>               |
| <b>WB</b>                    | Sagardighi TPP              | WBPDC                   | U-2                 | 300                  | <b>20-07-08</b>               |
| <b>Sub Total :</b>           |                             |                         |                     | <b>852.2</b>         |                               |
| <b><u>PRIVATE SECTOR</u></b> |                             |                         |                     |                      |                               |
| <b>Chhattisgarh</b>          | O.P.Jindal STPP             | Jindal Power Ltd.       | U-4                 | 250                  | <b>17-06-08</b>               |
| <b>Gujarat</b>               | Sugen CAPP(Akhakhoh)        | Torrent Power Gen. Ltd. | Blk-I               | 382.5                | <b>04-02-09</b>               |
| <b>Maharashtra</b>           | Trombay TPS Extn            | Tata Power Company      | U-8                 | 250                  | <b>26-03-09</b>               |
| <b>Sub Total :</b>           |                             |                         |                     | <b>882.5</b>         |                               |
| <b>Total :</b>               |                             |                         |                     | <b>2484.7</b>        |                               |
| <b>2009-10</b>               |                             |                         |                     |                      |                               |
| <b><u>CENTRAL SECTOR</u></b> |                             |                         |                     |                      |                               |
| <b>Bihar</b>                 | Kahalgao St-2, Ph-2         | NTPC                    | U-7                 | 500                  | <b>31-07-09</b>               |
| <b>Chhattisgarh</b>          | Bhilai TPP Expn             | NSPCL                   | U-2                 | 250                  | <b>12-07-09</b>               |
| <b>Jharkhand</b>             | Chandrapura TPS Extn.       | DVC                     | U-7                 | 250                  | <b>04-11-09</b>               |
|                              |                             |                         | U-8                 | 250                  | <b>31-03-10</b>               |
| <b>UP</b>                    | NCP Project St-II, U-5      | NTPC                    | U-5                 | 490                  | <b>29-01-10</b>               |
| <b>Sub Total :</b>           |                             |                         |                     | <b>1740</b>          |                               |

| <i>Sector<br/>State</i>      | <i>Project Name</i>          | <i>Impl.<br/>Agency</i>                   | <i>Unit<br/>No.</i> | <i>Cap.<br/>(MW)</i> | <i>Actual.<br/>Comm. Date</i> |
|------------------------------|------------------------------|-------------------------------------------|---------------------|----------------------|-------------------------------|
| <b><u>STATE SECTOR</u></b>   |                              |                                           |                     |                      |                               |
| <b>AP</b>                    | Vijayawada TPP -IV           | APGENCO                                   | U-1                 | 500                  | 08-10-09                      |
| <b>Gujarat</b>               | Kutch Lignite TPS Extn       | GSECL                                     | U-4                 | 75                   | 01-10-09                      |
| <b>Gujarat</b>               | Utran CCPP Extn              | GSECL                                     | GT                  | 240                  | 08-08-09                      |
|                              |                              |                                           | ST                  | 134                  | 10-10-09                      |
| <b>Haryana</b>               | Rajiv Gandhi TPS,Hissar      | HPGCL                                     | U-1                 | 600                  | 31-03-10                      |
| <b>Maharashtra</b>           | New Parli TPP                | MSPGCL                                    | U-2                 | 250                  | 10-02-10                      |
| <b>Maharashtra</b>           | Paras TPS Expn,U-2           | MSPGCL                                    | U-2                 | 250                  | 27-03-10                      |
| <b>Rajasthan</b>             | Chhabra TPS                  | RRVUNL                                    | U-1                 | 250                  | 30-10-09                      |
| <b>Rajasthan</b>             | Giral Lignite-II             | RRVUNL                                    | U-2                 | 125                  | 06-11-09                      |
| <b>Rajasthan</b>             | Kota TPP                     | RRVUNL                                    | U-7                 | 195                  | 31-08-09                      |
| <b>Rajasthan</b>             | Suratgarh TPP                | RRVUNL                                    | U-6                 | 250                  | 29-08-09                      |
| <b>WB</b>                    | Bakreshwar TPS               | WBPDC                                     | U-5                 | 210                  | 07-06-09                      |
|                              |                              |                                           | <b>Sub Total :</b>  | <b>3079</b>          |                               |
| <b><u>PRIVATE SECTOR</u></b> |                              |                                           |                     |                      |                               |
| <b>AP</b>                    | Gautami CCPP                 | Gautami Power Ltd                         | GT-1                | 145                  | 03-05-09                      |
|                              |                              |                                           | GT-2                | 145                  | 03-05-09                      |
|                              |                              |                                           | ST                  | 174                  | 03-05-09                      |
| <b>AP</b>                    | Konaseema CCPP               | Konaseema gas Power Ltd.                  | GT-1                | 140                  | 01-05-09                      |
|                              |                              |                                           | GT-2                | 140                  | 01-05-09                      |
| <b>AP</b>                    | Lanco Kondapalli Ph-II (GT)  | Lanco Kondapalli                          | GT                  | 233                  | 05-12-09                      |
| <b>Chhattisgarh</b>          | Lanco AmarkantakTPS Ph-1,U-1 | Lanco Amarkantak Power Pvt. Ltd.          | U-1                 | 300                  | 04-06-09                      |
| <b>Chhattisgarh</b>          | Lanco AmarkantakTPS Ph-1,U-2 | Lanco Amarkantak Power Pvt. Ltd           | U-2                 | 300                  | 26-03-10                      |
| <b>Gujarat</b>               | Mundra TPP Ph-1(U-1&2)       | Adani Power Ltd                           | U-1                 | 330                  | 04-08-09                      |
|                              |                              |                                           | U-2                 | 330                  | 17-03-10                      |
| <b>Gujarat</b>               | Sugen CCPP(Akhakhhol)        | Torrent Power Gen. Ltd.                   | Blk-II              | 382.5                | 07-05-09                      |
|                              |                              |                                           | Blk-III             | 382.5                | 08-06-09                      |
| <b>Karnataka</b>             | Toranagallu TPP              | JSW Energy(Vijayanagar)                   | U-1                 | 300                  | 27-04-09                      |
|                              |                              |                                           | U-2                 | 300                  | 24-08-09                      |
| <b>Rajasthan</b>             | Jallipa-Kapurdi TPP          | Raj West Power Ltd.(JSW)                  | U-1                 | 135                  | 16-10-09                      |
| <b>UP</b>                    | Rosa TPP Ph-I                | Rosa Power Supply Co.Ltd.-Reliance Energy | U-1                 | 300                  | 10-02-10                      |
| <b>WB</b>                    | Budge-Budge- III             | CESC                                      | U-3                 | 250                  | 29-09-09                      |
|                              |                              |                                           | <b>Sub Total :</b>  | <b>4287</b>          |                               |
|                              |                              |                                           | <b>Total :</b>      | <b>9106</b>          |                               |
| <b>2010-11</b>               |                              |                                           |                     |                      |                               |
| <b><u>CENTRAL SECTOR</u></b> |                              |                                           |                     |                      |                               |
| <b>AP</b>                    | Simhadri STPP Extn.          | NTPC                                      | U-3                 | 500                  | 31-03-11                      |
| <b>Chhattisgarh</b>          | Korba STPP                   | NTPC                                      | U-7                 | 500                  | 26-12-10                      |
| <b>Haryana</b>               | Indira Gandhi TPP            | APCPL                                     | U-1                 | 500                  | 31-10-10                      |
| <b>Rajasthan</b>             | Barsingsar Lignite           | NLC                                       | U-1                 | 125                  | 28-06-10                      |
|                              |                              |                                           | U-2                 | 125                  | 25-01-11                      |
| <b>UP</b>                    | NCP Project St-II            | NTPC                                      | U-6                 | 490                  | 30-07-10                      |
| <b>WB</b>                    | Farakka STPS- III            | NTPC                                      | U-6                 | 500                  | 23-03-11                      |
| <b>WB</b>                    | Mejia TPS Extn               | DVC                                       | U-1                 | 500                  | 30-09-10                      |
|                              |                              |                                           | U-2                 | 500                  | 26-03-11                      |
|                              |                              |                                           | <b>Sub Total</b>    | <b>3740</b>          |                               |
| <b><u>STATE SECTOR</u></b>   |                              |                                           |                     |                      |                               |
| <b>AP</b>                    | Kakatiya TPP                 | APGENCO                                   | U-1                 | 500                  | 27-05-10                      |
| <b>AP</b>                    | Rayalseema TPP St-III        | APGENCO                                   | U-5                 | 210                  | 31-12-10                      |
| <b>Delhi</b>                 | Pragati CCGT - III           | PPCL                                      | GT-1                | 250                  | 24-10-10                      |
|                              |                              |                                           | GT2                 | 250                  | 16-02-11                      |
| <b>Gujarat</b>               | Surat Lignite TPP Extn.      | GIPCL                                     | U-3                 | 125                  | 12-04-10                      |
|                              |                              |                                           | U-4                 | 125                  | 23-04-10                      |
| <b>Haryana</b>               | Rajiv Gandhi TPS,Hissar      | HPGCL                                     | U-2                 | 600                  | 01-10-10                      |
| <b>Karnataka</b>             | Raichur U-8                  | KPCL                                      | U-8                 | 250                  | 26-06-10                      |
| <b>Rajasthan</b>             | Chhabra TPS                  | RRVUNL                                    | U-2                 | 250                  | 04-05-10                      |
| <b>Tripura</b>               | Baramura GT Extn.            | TSECL                                     | U-5                 | 21                   | 03-08-10                      |
|                              |                              |                                           | <b>Sub Total :</b>  | <b>2581</b>          |                               |

| <i>Sector<br/>State</i>      | <i>Project Name</i>         | <i>Impl.<br/>Agency</i>                       | <i>Unit<br/>No.</i> | <i>Cap.<br/>(MW)</i> | <i>Actual.<br/>Comm. Date</i> |
|------------------------------|-----------------------------|-----------------------------------------------|---------------------|----------------------|-------------------------------|
| <b><u>PRIVATE SECTOR</u></b> |                             |                                               |                     |                      |                               |
| AP                           | Konaseema CAPP              | Konaseema gas Power Ltd.                      | ST                  | 165                  | 30-06-10                      |
| AP                           | Lanco Kondapalli Ph-II (ST) | Lanco Kondapalli                              | ST                  | 133                  | 19-07-10                      |
| Delhi                        | Rithala CAPP                | NDPL                                          | GT-1                | 35.75                | 09-12-10                      |
|                              |                             |                                               | GT-2                | 35.75                | 04-10-10                      |
| Gujarat                      | Mundra TPP Ph-I(U-3&4)      | Adani Power Ltd                               | U-3                 | 330                  | 02-08-10                      |
|                              |                             |                                               | U-4                 | 330                  | 20-12-10                      |
| Gujarat                      | Mundra TPP Ph-II            | Adani Power Ltd                               | U-1                 | 660                  | 26-12-10                      |
| Karnataka                    | Udupi TPP                   | UPCL                                          | U-1                 | 600                  | 23-07-10                      |
| Maharashtra                  | JSW Ratnagiri TPP           | JSW Energy(Ratnagiri) Ltd                     | U-1                 | 300                  | 24-08-10                      |
|                              |                             |                                               | U-2                 | 300                  | 09-12-10                      |
| Maharashtra                  | Wardha Warora TPP           | WPCL                                          | U-1                 | 135                  | 05-06-10                      |
|                              |                             |                                               | U-2                 | 135                  | 10-10-10                      |
|                              |                             |                                               | U-3                 | 135                  | 13-01-11                      |
| Orissa                       | Sterlite TPP                | Sterlite Energy Ltd.                          | U-1                 | 600                  | 14-10-10                      |
|                              |                             |                                               | U-2                 | 600                  | 29-12-10                      |
| Rajasthan                    | Jallipa-Kapurdi TPP         | Raj West Power Ltd.(JSW)                      | U-2                 | 135                  | 08-07-10                      |
| UP                           | Rosa TPP Ph-I               | Rosa Power Supply Co.Ltd.-<br>Reliance Energy | U-2                 | 300                  | 28-06-10                      |
| <i>Sub Total :</i>           |                             |                                               |                     | <b>4929.5</b>        |                               |
| <i>Total :</i>               |                             |                                               |                     | <b>11250.5</b>       |                               |
| <b>2011-12</b>               |                             |                                               |                     |                      |                               |
| <b><u>CENTRAL SECTOR</u></b> |                             |                                               |                     |                      |                               |
| AP                           | Simhadri STPP Extn.         | NTPC                                          | U-4                 | 500                  | 30-03-12                      |
| Chhattisgarh                 | Sipat-I                     | NTPC                                          | U-1                 | 660                  | 28-06-11                      |
|                              |                             |                                               | U-2                 | 660                  | 24-12-11                      |
| Haryana                      | Indira Gandhi TPP           | APCPL                                         | U-2                 | 500                  | 05-11-11                      |
| Jharkhand                    | Kodarma TPP                 | DVC                                           | U-1                 | 500                  | 20-07-11                      |
| TN                           | Neyveli TPS-II Exp.         | NLC                                           | U-1                 | 250                  | 04-01-12                      |
| TN                           | Vallur TPP Ph I             | NTECL                                         | U-1                 | 500                  | 28-03-12                      |
| WB                           | Durgapur Steel TPS          | DVC                                           | U-1                 | 500                  | 29-07-11                      |
|                              |                             |                                               | U-2                 | 500                  | 23-03-12                      |
| <i>Sub Total :</i>           |                             |                                               |                     | <b>4570</b>          |                               |
| <b><u>STATE SECTOR</u></b>   |                             |                                               |                     |                      |                               |
| AP                           | Kothagudem TPP -VI          | APGENCO                                       | U-1                 | 500                  | 26-06-11                      |
| Assam                        | Lakwa Waste Heat Unit       | APGCL                                         | ST                  | 37.2                 | 24-12-11                      |
| Delhi                        | Pragati CCGT - III          | PPCL                                          | ST-1                | 250                  | 29-02-12                      |
| Gujarat                      | Hazira CAPP Extn.           | GSECL                                         | GT+ST               | 351                  | 18-02-12                      |
| Karnataka                    | Bellary TPP St-II           | KPCL                                          | U-2                 | 500                  | 23-03-12                      |
| Maharashtra                  | Bhusawal TPS Expn.          | MSPGCL                                        | U-4                 | 500                  | 07-03-12                      |
|                              |                             |                                               | U-5                 | 500                  | 30-03-12                      |
| Maharashtra                  | Khaperkheda TPS Expn.       | MSPGCL                                        | U-5                 | 500                  | 05-08-11                      |
| UP                           | Harduaganj Ext              | UPRVUNL                                       | U-8                 | 250                  | 27-09-11                      |
| WB                           | Santalidih TPP Extn Ph-II   | WBPCL                                         | U-6                 | 250                  | 29-06-11                      |
| <i>Sub Total :</i>           |                             |                                               |                     | <b>3638.2</b>        |                               |
| <b><u>PRIVATE SECTOR</u></b> |                             |                                               |                     |                      |                               |
| AP                           | Simhapuri Energy Pvt.Ltd    | Madhucon Projects Ltd                         | U-1                 | 150                  | 24-03-12                      |
| Chhattisgarh                 | Kasaipalli TPP              | ACB India Ltd.                                | U-1                 | 135                  | 13-12-11                      |
| Chhattisgarh                 | Katghora TPP                | Vandana Energy & Steel Ltd                    | U-1                 | 35                   | 14-02-12                      |
| Chhattisgarh                 | SV Power TPP                | SV Power Pvt Ltd                              | U-1                 | 63                   | 07-12-11                      |
| Delhi                        | Rithala CAPP                | NDPL                                          | ST                  | 36.5                 | 04-09-11                      |
| Gujarat                      | Mundra TPP Ph-II            | Adani Power Ltd                               | U-2                 | 660                  | 20-07-11                      |
| Gujarat                      | Mundra TPP Ph-III           | Adani Power Ltd                               | U-1                 | 660                  | 07-11-11                      |
|                              |                             |                                               | U-2                 | 660                  | 03-03-12                      |
|                              |                             |                                               | U-3                 | 660                  | 09-03-12                      |
| Gujarat                      | Mundra UMTTP                | Tata Power Co.                                | U-1                 | 800                  | 25-02-12                      |
| Gujarat                      | Salaya TPP                  | Essar Power Gujarat Ltd.                      | U-1                 | 600                  | 22-02-12                      |

| <i>Sector</i>      | <i>Project Name</i>              | <i>Impl.</i>                        | <i>Unit</i>              | <i>Cap.</i>    | <i>Actual.</i>    |
|--------------------|----------------------------------|-------------------------------------|--------------------------|----------------|-------------------|
| <i>State</i>       |                                  | <i>Agency</i>                       | <i>No.</i>               | <i>(MW)</i>    | <i>Comm. Date</i> |
| <b>Haryana</b>     | Jajjar TPP (Mahatama Gandhi TPP) | CLP Power India Pvt. Ltd            | U-1                      | 660            | 12-01-12          |
| <b>Jharkhand</b>   | Maithon RB TPP                   | DVC                                 | U-1                      | 525            | 30-06-11          |
|                    |                                  |                                     | U-2                      | 525            | 23-03-12          |
| <b>Karnataka</b>   | Udupi TPP                        | UPCL                                | U-2                      | 600            | 17-04-11          |
| <b>Maharashtra</b> | JSW Ratnagiri TPP                | JSW Energy(Ratnagiri) Ltd           | U-3                      | 300            | 06-05-11          |
|                    |                                  |                                     | U-4                      | 300            | 08-10-11          |
| <b>Maharashtra</b> | Mihan TPS                        | Abhijeet MADC Nagpur Energy Pvt Ptd | U-1                      | 61.5           | 09-02-12          |
|                    |                                  |                                     | U-2                      | 61.5           | 09-02-12          |
|                    |                                  |                                     | U-3                      | 61.5           | 09-02-12          |
|                    |                                  |                                     | U-4                      | 61.5           | 09-02-12          |
| <b>Maharashtra</b> | Wardha Warora TPP                | WPCL                                | U-4                      | 135            | 30-04-11          |
| <b>Orissa</b>      | Sterlite TPP                     | Sterlite Energy Ltd.                | U-3                      | 600            | 16-08-11          |
| <b>Rajasthan</b>   | Jallipa-Kapurdi TPP              | Raj West Power Ltd.(JSW)            | U-3                      | 135            | 02-11-11          |
| <b>Rajasthan</b>   | Jallipa-Kapurdi TPP              | Raj West Power Ltd.(JSW)            | U-4                      | 135            | 23-11-11          |
| <b>UP</b>          | Anpara-C                         | Lanco Anpara Power Pvt. Ltd.        | U-1                      | 600            | 15-11-11          |
|                    |                                  |                                     | U-2                      | 600            | 12-11-11          |
| <b>UP</b>          | Barkhera TPP                     | Bajaj Energy Pvt. Ltd               | U-1                      | 45             | 06-11-11          |
|                    |                                  |                                     | U-2                      | 45             | 28-01-12          |
| <b>UP</b>          | Khamberkhera TPP                 | Bajajb Energy Pvt. Ltd              | U-1                      | 45             | 17-10-11          |
|                    |                                  |                                     | U-2                      | 45             | 28-11-11          |
| <b>UP</b>          | Kundarki TPP                     | Bajaj Energy Pvt. Ltd               | U-1                      | 45             | 10-01-12          |
|                    |                                  |                                     | U-2                      | 45             | 29-02-12          |
| <b>UP</b>          | Maqsoodpur TPP                   | Bajaj Energy Pvt Ltd                | U-1                      | 45             | 03-11-11          |
|                    |                                  |                                     | U-2                      | 45             | 21-01-12          |
| <b>UP</b>          | Rosa TPP Ph-II                   | Reliance Power Ltd.                 | U-3                      | 300            | 27-12-11          |
|                    |                                  |                                     | U-4                      | 300            | 28-03-12          |
| <b>UP</b>          | Utrala TPP                       | Bajaj Energy Pvt. Ltd               | U-1                      | 45             | 21-02-12          |
|                    |                                  |                                     | U-2                      | 45             | 19-03-12          |
|                    |                                  |                                     | <b>Sub Total :</b>       | <b>10870.5</b> |                   |
|                    |                                  |                                     | <b>Total :</b>           | <b>19078.7</b> |                   |
|                    |                                  |                                     | <b>Total (11thPlan):</b> | <b>48539.9</b> |                   |

## 6. Thermal Projects under construction and likely to be Commissioned during 12th Plan and beyond

| State        | Project Name            | Impl Agency           | Unit No | Cap. (MW) | BHEL (MW) | Non-BHEL (MW)                 | Chinese (MW)                             | Others (MW) |  |
|--------------|-------------------------|-----------------------|---------|-----------|-----------|-------------------------------|------------------------------------------|-------------|--|
|              | <b>CENTRAL SECTOR</b>   |                       |         |           |           |                               |                                          |             |  |
| Assam        | Bongaigaon TPP          | NTPC                  | U-2     | 250       | 250       | ---                           | ---                                      | ---         |  |
| Assam        | Bongaigaon TPP          | NTPC                  | U-3     | 250       | 250       | ---                           | ---                                      | ---         |  |
| Bihar        | Barh STPP- I            | NTPC                  | U-1     | 660       | ---       | ---                           | ---                                      | 660         |  |
| Bihar        | Barh STPP- I            | NTPC                  | U-2     | 660       | ---       | ---                           | ---                                      | 660         |  |
| Bihar        | Barh STPP- I            | NTPC                  | U-3     | 660       | ---       | ---                           | ---                                      | 660         |  |
| Bihar        | Muzaffarpur TPS Exp     | JV of NTPC&BSEB       | U-4     | 195       | 195       | ---                           | ---                                      | ---         |  |
| Bihar        | Nabi Nagar TPP          | JV of NTPC & Railways | U-2     | 250       | 250       | ---                           | ---                                      | ---         |  |
| Bihar        | Nabi Nagar TPP          | NTPC                  | U-3     | 250       | 250       | ---                           | ---                                      | ---         |  |
| Bihar        | Nabi Nagar TPP          | NTPC                  | U-4     | 250       | 250       | ---                           | ---                                      | ---         |  |
| Bihar        | New Nabi Nagar STPP     | JV of NTPC & BSEB     | U-1     | 660       | 660       | ---                           | ---                                      | ---         |  |
| Bihar        | New Nabi Nagar STPP     | JV of NTPC & BSEB     | U-2     | 660       | 660       | ---                           | ---                                      | ---         |  |
| Bihar        | New Nabi Nagar STPP     | NTPC                  | U-3     | 660       | 660       | ---                           | ---                                      | ---         |  |
| Chhattisgarh | Lara TPP                | NTPC                  | U-1     | 800       | ---       | 800                           | TG- BGR/Hitachi                          |             |  |
| Chhattisgarh | Lara TPP                | NTPC                  | U-2     | 800       | ---       | 800                           | Boiler- Doosan                           |             |  |
| Jharkhand    | North Karnpura TPP      | NTPC                  | U-1     | 660       | 660       |                               |                                          |             |  |
|              |                         |                       | U-2     | 660       | 660       |                               |                                          |             |  |
|              |                         |                       | U-3     | 660       | 660       |                               |                                          |             |  |
| Karnataka    | Kudgi STPP Ph-I         | NTPC                  | U-1     | 800       | ---       | TG- Toshiba<br>Boiler- Doosan |                                          | 800         |  |
| Karnataka    | Kudgi STPP Ph-I         | NTPC                  | U-2     | 800       | ---       |                               |                                          | 800         |  |
| Karnataka    | Kudgi STPP Ph-I         | NTPC                  | U-3     | 800       | ---       |                               |                                          | 800         |  |
| Maharashtra  | Mouda STPS-II           | NTPC                  | U-4     | 660       | 660       | ---                           | ---                                      | ---         |  |
| Maharashtra  | SolapurSTPP             | NTPC                  | U-1     | 660       | ---       | 660                           | TG-Alstom, Boiler- BGR                   |             |  |
| Maharashtra  | SolapurSTPP             | NTPC                  | U-2     | 660       | ---       | 660                           | TG-Alstom, Boiler- BGR                   |             |  |
| MP           | Gadarwara STPP          | NTPC                  | U-1     | 800       | 800       | ----                          | ---                                      | ---         |  |
|              |                         |                       | U-2     | 800       | 800       |                               |                                          |             |  |
| MP           | Khargon TPP             | NTPC                  | U-1     | 660       | 660       | ----                          | ---                                      | ---         |  |
| Odisha       | Dashipalli STPP         | NTPC                  | U-1     | 800       | ---       | 800                           | SG-BHEL,<br>SGT- Toshiba                 |             |  |
|              |                         |                       | U-2     | 800       | ---       | 800                           |                                          |             |  |
| Telangana    | Telangana TPP Ph-I      | NTPC                  | U-1     | 800       |           | 800                           |                                          |             |  |
|              |                         |                       | U-2     | 800       |           | 800                           |                                          |             |  |
| TN           | Neyveli New TPP         | NLC                   | U-1     | 500       | 500       |                               |                                          |             |  |
|              |                         |                       | U-2     | 500       | 500       |                               |                                          |             |  |
| Tripura      | Agartala CCPP           | NEEPCO                | ST-2    | 25.5      |           | 25.5                          | Thermax Ltd                              |             |  |
| UP           | Meja STPP               | NTPC                  | U-1     | 660       | ---       | 660                           | TG – JSW -Toshiba<br>Boiler- BGR Hitachi |             |  |
| UP           | Meja STPP               | NTPC                  | U-2     | 660       | ---       | 660                           |                                          |             |  |
| UP           | Tanda TPS II            | NTPC                  | U-1     | 660       | 660       |                               |                                          |             |  |
|              |                         |                       | U-2     | 660       | 660       |                               |                                          |             |  |
| UP           | Unchahar St-V           | NTPC                  | U-6     | 500       | 500       |                               |                                          |             |  |
| WB           | Raghunathpur TPP, Ph-II | DVC                   | U-1     | 660       | 660       | TG - BHEL<br>Boiler – BGR     |                                          | ---         |  |
| WB           | Raghunathpur TPP, Ph-II | DVC                   | U-2     | 660       | 660       |                               |                                          | ---         |  |
|              | Total Central Sector    |                       |         | 24970.5   | 13125.0   | 7465.5                        | 0                                        | 4380.0      |  |

|              | <b>STATE SECTOR</b>        |                                               |      |              |             |             |          |          |
|--------------|----------------------------|-----------------------------------------------|------|--------------|-------------|-------------|----------|----------|
| AP           | Rayalseema St-III U-6      | APGENCO                                       | U-6  | 600          | 600         | ---         | ---      | ---      |
| Assam        | Namrup CCGT                | APGCL                                         | GT   | 70           | 70          | ---         | ---      | ---      |
| Assam        | Namrup CCGT                | APGCL                                         | ST   | 30           | 30          | ---         | ---      | ---      |
| Bihar        | Barauni TPS Extn           | BSPGCL                                        | U-1  | 250          | 250         |             |          |          |
|              |                            |                                               | U-2  | 250          | 250         |             |          |          |
| Chhattisgarh | Marwa TPP                  | CSPGCL                                        | U-2  | 500          | 500         | ---         | ---      | ---      |
| Gujarat      | Bhavnagar Lignite TPP      | Bhavnagar Energy                              | U-2  | 250          | 250         | ---         | ---      | ---      |
| Gujarat      | Wanakbori TPS Exten        | GSECL                                         | U-8  | 800          | 800         | ---         | ---      | ---      |
| Karnataka    | Yemarus TPP                | KPCL                                          | U-2  | 800          | ---         | 800         |          |          |
| Maharashtra  | Koradi TPS Expn.           | MSPGCL                                        | U-10 | 660          | ---         | 660         | L&T      | ---      |
| MP           | Shri Singhaji TPP          | MPPGCL                                        | U-3  | 660          | ....        | 660         | L&T      |          |
|              |                            |                                               | U-4  | 660          | ...         | 660         | L&T      |          |
| Odisha       | Ib valley TPP              | OPGC                                          | U-1  | 660          | 660         |             |          |          |
|              |                            |                                               | U-2  | 660          | 660         |             |          |          |
| Rajasthan    | Chhabra Super Critical TPP | RRVUNL                                        | U-5  | 660          |             | 660         |          |          |
|              |                            |                                               | U-6  | 660          |             | 660         |          |          |
| Rajasthan    | Suratgarh TPS              | RRVUNL                                        | U-7  | 660          | 660         | ...         |          |          |
|              |                            |                                               | U-8  | 660          | 660         | ...         | ---      | ---      |
| Telangana    | Kothagudam TPS St-VII      | TSGENCO                                       | U-1  | 800          | 800         |             |          |          |
| Telangana    | Bhadradri TPP              | TSGENCO                                       | U-1  | 270          | 270         |             |          |          |
|              |                            |                                               | U-2  | 270          | 270         |             |          |          |
|              |                            |                                               | U-3  | 270          | 270         |             |          |          |
|              |                            |                                               | U-4  | 270          | 270         |             |          |          |
| Telangana    | Singareni TPP              | SCCL                                          | U-2  | 600          | 600         | ---         | ---      | ---      |
| TN           | Ennore exp. SCTPP          | TANGEDCO                                      | U-1  | 660          | ...         | 660         | ....     |          |
| TN           | Ennore SCTPP               | TANGEDCO                                      | U-1  | 660          | 660         | ---         | ---      | ---      |
|              |                            |                                               | U-2  | 660          | 660         | ---         | ---      | ---      |
| UP           | Harduaganj Exp.-II TPP     | UPRVUNL                                       | U-1  | 660          | ---         | 660         | ---      | ---      |
| WB           | Sagardidhi TPP-3           | WBPDCCL                                       | U-4  | 500          | 500         | ---         | ---      | ---      |
|              | <b>Total State Sector</b>  |                                               |      | <b>15110</b> | <b>9690</b> | <b>5420</b> | <b>0</b> | <b>0</b> |
|              | <b>PRIVATE SECTOR</b>      |                                               |      |              |             |             |          |          |
| AP           | Bhavanpadu TPP             | M/s East Coast Energy Ltd.                    | U-1  | 660          | ---         | ---         | 660      | ---      |
| AP           | Bhavanpadu TPP             |                                               | U-2  | 660          | ---         | ---         | 660      | ---      |
| AP           | NCC TPP                    | NCC Power Projects Ltd                        | U-1  | 660          | ---         | ---         | 660      | ---      |
| AP           | NCC TPP                    |                                               | U-2  | 660          | ---         | ---         | 660      | ---      |
| AP           | Thamminapatnam TPP-II      | Meenakshi Energy Ltd.                         | U-3  | 350          | ---         | ---         | 350      | ---      |
| AP           | Thamminapatnam TPP-II      |                                               | U-4  | 350          | ---         | ---         | 350      | ---      |
| Bihar        | Siriya TPP                 | Jas Infrastructure                            | U-1  | 660          |             |             | 660      |          |
|              |                            |                                               | U-2  | 660          |             |             | 660      |          |
|              |                            |                                               | U-3  | 660          |             |             | 660      |          |
|              |                            |                                               | U-4  | 660          | ....        | .....       | 660      | ....     |
| Chhattisgarh | Akaltara (Naiyara) TPP     | Wardha PCL (KSK)                              | U-3  | 600          |             |             | 600      |          |
|              |                            |                                               | U-4  | 600          |             |             | 600      |          |
|              |                            |                                               | U-5  | 600          |             |             | 600      |          |
|              |                            |                                               | U-6  | 600          | ---         | ---         | 600      | ---      |
| Chhattisgarh | Binjkote TPP               | M/s SKS Power Generation ( Chhattisgarh) Ltd. | U-1  | 300          | ---         | ---         | 300      | ---      |
| Chhattisgarh | Binjkote TPP               |                                               | U-2  | 300          | ---         | ---         | 300      | ---      |
| Chhattisgarh | Binjkote TPP               |                                               | U-3  | 300          | ---         | ---         | 300      | ---      |
| Chhattisgarh | Binjkote TPP               |                                               | U-4  | 300          | ---         | ---         | 300      | ---      |
| Chhattisgarh | Deveri TPP                 | Visa Power Ltd                                | U-1  | 600          | 600         | ---         | ---      | ---      |
| Chhattisgarh | Lanco Amarkantak TPS-II    | LAP Pvt. Ltd.                                 | U-3  | 660          | ---         | ---         | 660      | ---      |
| Chhattisgarh | Lanco Amarkantak TPS-II    | LAP Pvt. Ltd.                                 | U-4  | 660          | ---         | ---         | 660      | ---      |
| Chhattisgarh | Nawapura TPP               | M/s TRN Energy Pvt.                           | U-1  | 300          | ---         | ---         | 300      | ---      |

|                  |                                  |                                      |     |         |         |         |         |        |
|------------------|----------------------------------|--------------------------------------|-----|---------|---------|---------|---------|--------|
| Chhattisgarh     |                                  | Ltd.                                 | U-2 | 300     | ---     | ---     | 300     | ---    |
| Chhattisgarh     | Salora TPPh                      | M/s Vandana Vidyut                   | U-2 | 135     | ---     | ---     | 135     | ---    |
| Chhattisgarh     | Singhitarai TPP                  | Athena Chhattisgarh Power Ltd.       | U-1 | 600     | ---     | ---     | 600     | ---    |
| Chhattisgarh     |                                  |                                      | U-2 | 600     | ---     | ---     | 600     | ---    |
| Chhattisgarh     | Uchpinda TPP                     | RKM Powergen Pvt. Ltd                | U-3 | 360     | ---     | ---     | 360     | ---    |
| Chhattisgarh     | Uchpinda TPP                     | RKM Powergen Pvt. Ltd                | U-4 | 360     | ---     | ---     | 360     | ---    |
| Jharkhand        | Matrishi Usha TPP-Ph-I           | M/s Corporate Power Ltd              | U-1 | 270     | 270     | ---     | ---     | ---    |
| Jharkhand        |                                  |                                      | U-2 | 270     | 270     | ---     | ---     | ---    |
| Jharkhand        | Matrishi Usha TPP-Ph-II          | Corporate Power Ltd                  | U-3 | 270     | 270     | ---     | ---     | ---    |
| Jharkhand        |                                  |                                      | U-4 | 270     | 270     |         |         |        |
| Jharkhand        | Tori TPP Ph-I                    | Essar Power                          | U-1 | 600     | ---     | ---     | 600     | ---    |
| Jharkhand        |                                  |                                      | U-2 | 600     |         |         | 600     |        |
| Jharkhand        | Tori TPP Ph-II                   | Essar Power                          | U-3 | 600     |         |         | 600     |        |
| Maharashtra      | Amravati TPP Ph-II               | Rattan India Power Ltd.              | U-1 | 270     | 270     | ---     | ---     | ---    |
|                  |                                  |                                      | U-2 | 270     | 270     |         |         |        |
|                  |                                  |                                      | U-3 | 270     | 270     |         |         |        |
|                  |                                  |                                      | U-4 | 270     | 270     |         |         |        |
|                  |                                  |                                      | U-5 | 270     | 270     |         |         |        |
| Maharashtra      | Bijora Ghanmukh TPP              | Jinbhuvish Power Generation Pvt. Ltd | U-1 | 300     | ---     | ---     | 300     | ---    |
| U-2              |                                  |                                      | 300 | 300     |         |         |         |        |
| Maharashtra      | Lanco Vidarbha TPP               | Lanco Vidarbha                       | U-1 | 660     | ---     | ---     | 660     | ---    |
| Maharashtra      | Lanco Vidarbha TPP               | Lanco Vidarbha                       | U-2 | 660     | ---     | ---     | 660     | ---    |
| Maharashtra      | Nasik TPP Ph-I                   | Rattan India Power Ltd.              | U-3 | 270     | 270     | ---     | ---     | ---    |
|                  |                                  |                                      | U-4 | 270     | 270     | ---     | ---     | ---    |
|                  |                                  |                                      | U-5 | 270     | 270     | ---     | ---     | ---    |
| Maharashtra      | Nasik TPP Ph-II                  | Rattan India Power Ltd.              | U-1 | 270     | 270     | ---     | ---     | ---    |
|                  |                                  |                                      | U-2 | 270     | 270     | ---     | ---     | ---    |
|                  |                                  |                                      | U-3 | 270     | 270     | ---     | ---     | ---    |
|                  |                                  |                                      | U-4 | 270     | 270     | ---     | ---     | ---    |
|                  |                                  |                                      | U-5 | 270     | 270     | ---     | ---     | ---    |
| MP               | Gorgi TPP (DB Power)             | DB Power                             | U-1 | 660     | 660     | ---     | ---     | ---    |
| MP               | Mahan TPP                        | Essar Power MP Ltd                   | U-2 | 600     | ---     | ---     | 600     | ---    |
| MP               | Niwari TPP                       | BLA Power                            | U-2 | 45      |         | 45      |         |        |
| Orissa           | Ind Barat TPP ( Orissa)          | Ind. Bharath                         | U-2 | 350     | ---     | ---     | 350     | ---    |
| Orissa           | KVK Nilanchal TPP                | KVK Nilanchal                        | U-1 | 350     | ---     | ---     | 350     | ---    |
| Orissa           | KVK Nilachal TPP                 | KVK Nilanchal                        | U-2 | 350     | ---     | ---     | 350     | ---    |
| Orissa           | KVK Nilachal TPP                 | KVK Nilanchal                        | U-3 | 350     | ---     | ---     | 350     | ---    |
| Orissa<br>Orissa | Lanco Babandh TPP                | Lanco Babandh Power Ltd              | U-1 | 660     | ---     | ---     | 660     | ---    |
|                  |                                  |                                      | U-2 | 660     | ---     | ---     | 660     | ---    |
| Orissa           | Malibrahmani TPP ( Monnet Ispat) | MPCL                                 | U-1 | 525     | 525     | ---     | ---     | ---    |
|                  |                                  |                                      | U-2 | 525     | 525     |         |         |        |
|                  | Tuticorin TPP St-IV              | SEPC                                 | U-1 | 525     | 525     |         |         |        |
| TN               | Tuticorin (Ind-Barath) TPP       | IBPIL                                | U-1 | 660     | ---     | ---     | 660     | ---    |
| UP               | Prayagraj(Bara) TPP              | J.P.Power Ventures                   | U-2 | 660     | 660     | ---     | ---     | ---    |
| UP               | Prayagraj(Bara) TPP              | J.P.Power Ventures                   | U-3 | 660     | 660     | ---     | ---     | ---    |
| WB               | India Power TPP                  | Haldia Energy Ltd.                   | U-1 | 150     | 150     | ---     | ---     | ---    |
|                  |                                  |                                      | U-2 | 150     | 150     |         |         |        |
|                  |                                  |                                      | U-3 | 150     | 150     |         |         |        |
|                  | Total Private Sector             |                                      |     | 30495   | 9195    | 45      | 21255   | 0      |
|                  | Grand Total                      |                                      |     | 70575.5 | 32010.0 | 12930.5 | 21255.0 | 4380.0 |

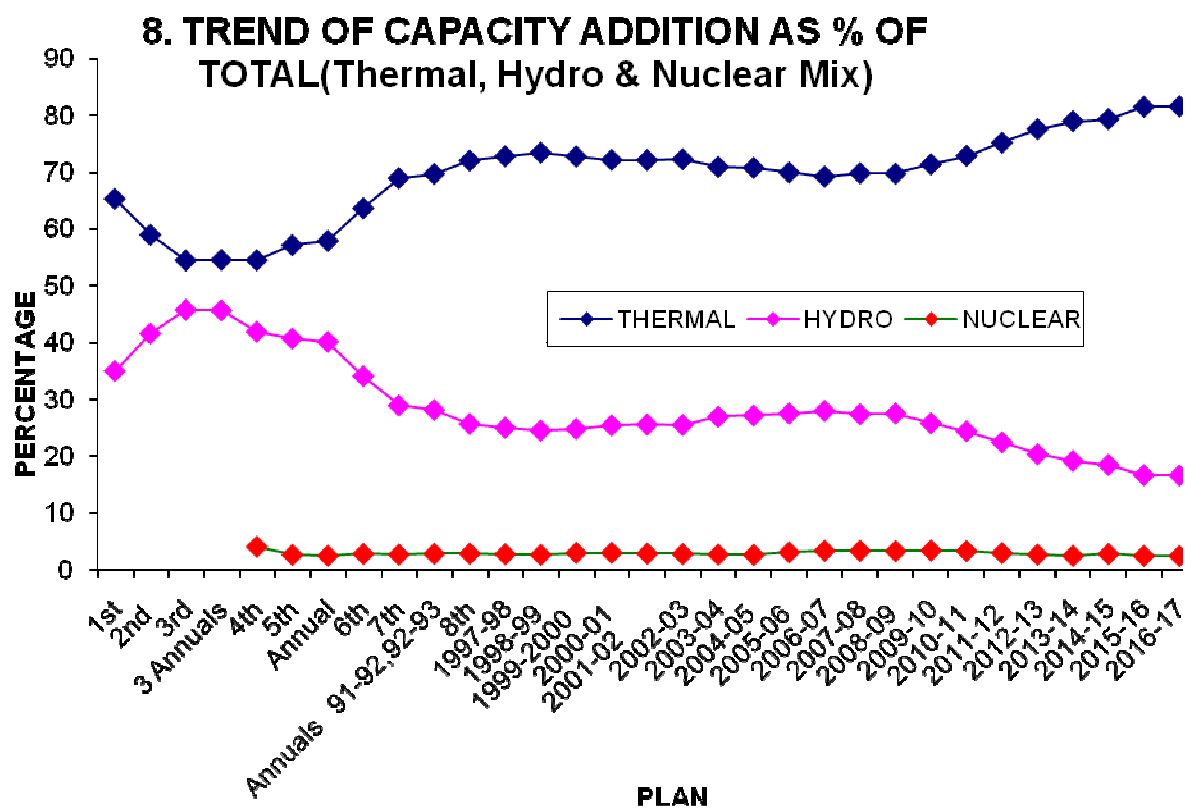
## 7. Thermal Power Projects visited during First Quarter (April, May & June) of 2016-17

The following under construction thermal power projects in country were visited by the officers of TPM-I and TPM-II Divisions to review the progress of ongoing construction activities at project sites during the fourth quarter of the year 2015-16:

| Sl. No. | Name of Project with capacity           | State          |
|---------|-----------------------------------------|----------------|
| 1.      | Gadarwara STPP (2x800 MW)               | Madhya Pradesh |
| 2.      | Solapur STPP (2x660 MW)                 | Maharashtra    |
| 3.      | Kudgi STPP (3x800 MW)                   | Karnataka      |
| 4.      | Lara STPP (2x800 MW)                    | Chhattisgarh   |
| 5.      | Namrup CCPP (100 MW)                    | Assam          |
| 6.      | Haldia TPP (3x150 MW)                   | West Bengal    |
| 7.      | Lanco Babandh TPP (2x660 MW)            | Odisha         |
| 8.      | Singreni TPP (2x600 MW)                 | Telangana      |
| 9.      | Mouda STPP (2x660 MW)                   | Maharashtra    |
| 10.     | Marwa TPP (2x500 MW)                    | Chhattisgarh   |
| 11.     | Bara(Prayagraj) TPP (3x660 MW)          | UP             |
| 12.     | Bhavnagar TPP (2x250 MW)                | Gujrat         |
| 13.     | Lanco Amarkantak TPP Stg.-II (2x660 MW) | Chhattisgarh   |
| 14.     | Ratija TPP, Ph-II (1x50 MW)             | Chhattisgarh   |
| 15.     | Mangaon CPP (1x388 MW)                  | Maharashtra    |
| 16.     | Srisingaji TPP Ph-II (2x660 MW)         | MP             |

### 8. Trend of Thermal & Hydro Mix as on 30.06.2016

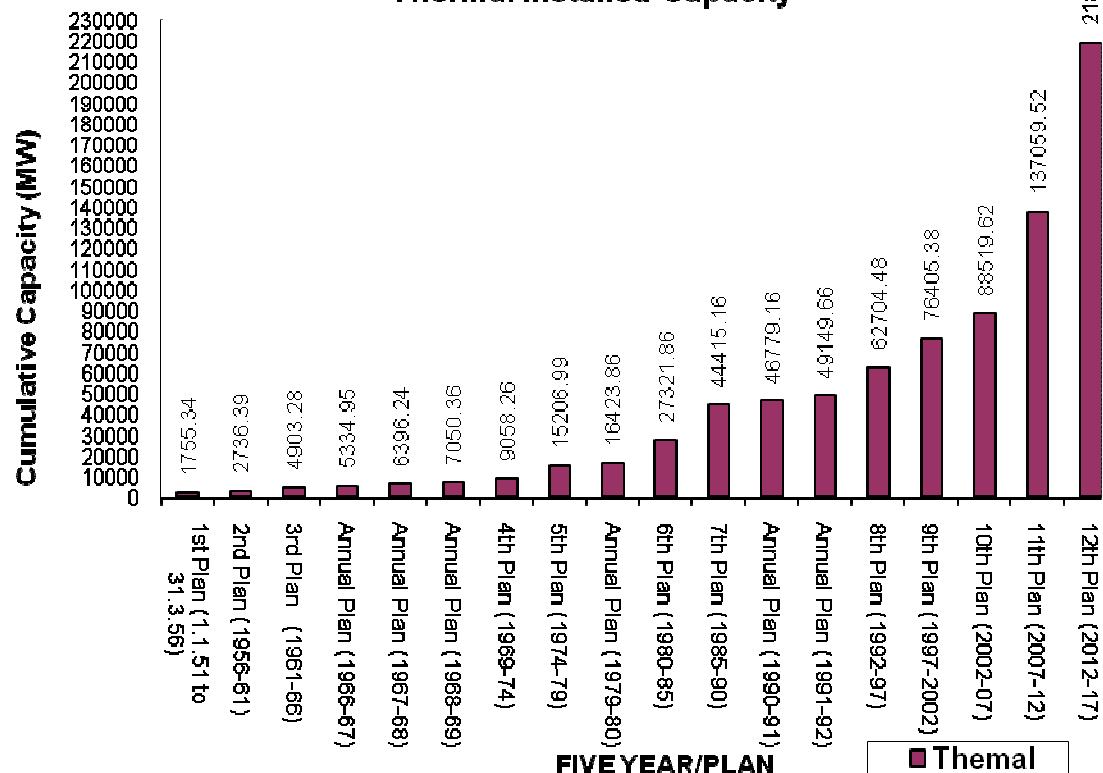
| Mode-wise | As on 31.03.2016<br>(In MW ) | Capacity Addition during 2016-17 (In MW) |    |    |    |       | As on 30.06.2016<br>(In MW ) |
|-----------|------------------------------|------------------------------------------|----|----|----|-------|------------------------------|
|           |                              | Q1                                       | Q2 | Q3 | Q4 | Total |                              |
| Thermal   | 211358.5                     | 1510                                     |    |    |    | 1510  | 212868.5                     |
| Hydro     | 42783                        | 65                                       |    |    |    | 65    | 42848                        |
| Nuclear   | 5780                         | 0                                        |    |    |    | 0     | 5780                         |
| Total     | 259921.5                     | 1575                                     |    |    |    | 1575  | 261496.5                     |



**9(a) Power Generating Capacity of Thermal Units in the country  
since inception of 1st five year plan**

| <b>Plan/ Duration</b>        | <b>Capacity<br/>Addition (MW)</b> | <b>Cumulative<br/>(MW)</b> |
|------------------------------|-----------------------------------|----------------------------|
| 1st Plan (1.1.51 to 31.3.56) | 602.11                            | 1755.34                    |
| 2nd Plan (1956-61)           | 981.05                            | 2736.39                    |
| 3rd Plan (1961-66)           | 2166.89                           | 4903.28                    |
| Annual Plan (1966-67)        | 431.67                            | 5334.95                    |
| Annual Plan (1967-68)        | 1061.29                           | 6396.24                    |
| Annual Plan (1968-69)        | 654.12                            | 7050.36                    |
| 4th Plan (1969-74)           | 2007.9                            | 9058.26                    |
| 5th Plan (1974-79)           | 6148.73                           | 15206.99                   |
| Annual Plan (1979-80)        | 1216.87                           | 16423.86                   |
| 6th Plan (1980-85)           | 10898.00                          | 27321.86                   |
| 7th Plan (1985-90)           | 17093.3                           | 44415.16                   |
| Annual Plan (1990-91)        | 2364.00                           | 46779.16                   |
| Annual Plan (1991-92)        | 2370.50                           | 49149.66                   |
| 8th Plan (1992-97)           | 13554.82                          | 62704.48                   |
| 9th Plan (1997-2002)         | 13700.90                          | 76405.38                   |
| 10th Plan (2002-07)          | 12114.24                          | 88519.62                   |
| 11th Plan (2007-12)          | 48539.90                          | 137059.52                  |
| 12th Plan (2012-17)          | 81689.70                          | 218749.22                  |

**9(b) Bar Chart representing Plan-Wise Growth of Thermal Installed Capacity**



**10. SUPERCRITICAL THERMAL POWER UNITS COMMISSIONED DURING 11TH PLAN AND BEYOND**

| Sector/State                 | Project Name       | Implimenting Agency      | Unit No. | Capacity (MW) | Date of Actual Commissioning |
|------------------------------|--------------------|--------------------------|----------|---------------|------------------------------|
| <b>2010-11</b>               |                    |                          |          |               |                              |
| <b><u>PRIVATE SECTOR</u></b> |                    |                          |          |               |                              |
| Gujarat                      | Mundra TPP Ph-II   | Adani Power Ltd          | U-1      | 660           | 26.12.2010                   |
|                              |                    | <b>Total (in 10-11):</b> |          | <b>660</b>    |                              |
| <b>2011-12</b>               |                    |                          |          |               |                              |
| <b><u>CENTRAL SECTOR</u></b> |                    |                          |          |               |                              |
| Chhattisgarh                 | Sipat-I            | NTPC                     | U-1      | 660           | 28.6.2011                    |
|                              |                    |                          | U-2      | 660           | 24.12.2011                   |
|                              | <b>Sub Total :</b> |                          |          | <b>1320</b>   |                              |
| <b><u>PRIVATE SECTOR</u></b> |                    |                          |          |               |                              |
| Gujarat                      | Mundra TPP Ph-II   | Adani Power Ltd          | U-2      | 660           | 20.7.2011                    |
|                              | Mundra TPP Ph-III  | Adani Power Ltd          | U-1      | 660           | 7.11.2011                    |
|                              | Mundra TPP Ph-III  |                          | U-2      | 660           | 3.3.2012                     |
|                              | Mundra TPP Ph-III  |                          | U-3      | 660           | 9.3.2012                     |

|                              |                                      |                          |     |             |                   |
|------------------------------|--------------------------------------|--------------------------|-----|-------------|-------------------|
| <b>Gujarat</b>               | Mundra UMTTP                         | Tata Power Co.           | U-1 | 800         | <b>25.2.2012</b>  |
| <b>Haryana</b>               | Jajjar (Mahatama Gandhi) TPP         | CLP Power India Pvt. Ltd | U-1 | 660         | <b>12.1.2012</b>  |
|                              | <b>Sub Total :</b>                   |                          |     | <b>4100</b> |                   |
|                              | <b>Total (in 11-12):</b>             |                          |     | <b>5420</b> |                   |
|                              | <b>Total (11<sup>th</sup> Plan):</b> |                          |     | <b>6080</b> |                   |
| <b>2012-13</b>               |                                      |                          |     |             |                   |
| <b><u>CENTRAL SECTOR</u></b> |                                      |                          |     |             |                   |
| <b>Chhattisgarh</b>          | Sipat-I                              | NTPC                     | U-3 | 660         | <b>2.6.2012</b>   |
|                              | <b>Sub Total :</b>                   |                          |     | <b>660</b>  |                   |
| <b><u>PRIVATE SECTOR</u></b> |                                      |                          |     |             |                   |
| <b>Gujarat</b>               | Mundra UMTTP                         | Tata Power Co.           | U-2 | 800         | <b>25.7.2012</b>  |
| <b>Gujarat</b>               | Mundra UMTTP                         | Tata Power Co.           | U-3 | 800         | <b>16.10.2012</b> |
| <b>Gujarat</b>               | Mundra UMTTP                         | Tata Power Co.           | U-4 | 800         | <b>16.1.2013</b>  |
| <b>Gujarat</b>               | Mundra UMTTP                         | Tata Power Co.           | U-5 | 800         | <b>18.3.2013</b>  |
| <b>Haryana</b>               | Jajjar (Mahatama Gandhi) TPP         | CLP Power India Pvt. Ltd | U-2 | 660         | <b>11.4.2012</b>  |
| <b>Maharastra</b>            | Tirora TPP Phase-I                   | Adani Power              | U-1 | 660         | <b>11.9.2012</b>  |
| <b>Maharastra</b>            | Tirora TPP Phase-I                   | Adani Power              | U-2 | 660         | <b>25.3.2013</b>  |
|                              | <b>Sub Total :</b>                   |                          |     | <b>5180</b> |                   |
|                              | <b>Total (12-13)</b>                 |                          |     | <b>5840</b> |                   |
| <b>2013-14</b>               |                                      |                          |     |             |                   |
| <b><u>CENTRAL SECTOR</u></b> |                                      |                          |     |             |                   |
| <b>Bihar</b>                 | Barh-II                              | NTPC                     | U-4 | 660         | <b>30.11.2013</b> |
|                              | <b>Sub Total :</b>                   |                          |     | <b>660</b>  |                   |
| <b><u>PRIVATE SECTOR</u></b> |                                      |                          |     |             |                   |
| <b>MP</b>                    | Sasan UMTTP                          | Reliance Power           | U-3 | 660         | <b>30.5.2013</b>  |
| <b>MP</b>                    | Sasan UMTTP                          | Reliance Power           | U-2 | 660         | <b>20.12.2013</b> |
| <b>MP</b>                    | Sasan UMTTP                          | Reliance Power           | U-4 | 660         | <b>25.3.2014</b>  |
| <b>Maharastra</b>            | Tirora TPP Ph-II                     | Adani Power              | U-1 | 660         | <b>10.6.2013</b>  |
| <b>Maharastra</b>            | Tirora TPP Ph-II                     | Adani Power              | U-2 | 660         | <b>23.3.2014</b>  |
| <b>Punjab</b>                | Rajpura TPP                          | Nabha Power              | U-1 | 700         | <b>24.1.2014</b>  |
| <b>Rajasthan</b>             | Kawai TPP                            | Adani Power              | U-1 | 660         | <b>25.5.2013</b>  |
| <b>Rajasthan</b>             | Kawai TPP                            | Adani Power              | U-1 | 660         | <b>24.12.2013</b> |
|                              | <b>Sub Total :</b>                   |                          |     | <b>5320</b> |                   |
|                              | <b>Total (13-14)</b>                 |                          |     | <b>5980</b> |                   |
| <b>2014-15</b>               |                                      |                          |     |             |                   |
| <b><u>CENTRAL SECTOR</u></b> |                                      |                          |     |             |                   |
| <b>Bihar</b>                 | Barh-II                              | NTPC                     | U-5 | 660         | <b>4.3.2015</b>   |
|                              | <b>Sub Total :</b>                   |                          |     | <b>600</b>  |                   |
| <b><u>State Sector</u></b>   |                                      |                          |     |             |                   |
| <b>AP</b>                    | Damodaran Sanjeevaiah TPP            | APPDCL                   | U-1 | 800         | <b>28.8.2014</b>  |
| <b>AP</b>                    | Damodaran Sanjeevaiah TPP            | APPDCL                   | U-1 | 800         | <b>17.3.2015</b>  |
| <b>Maharastra</b>            | Koradi TPP Expn.I                    | MSPGCL                   | U-8 | 660         | <b>30.3.2015</b>  |
|                              | <b>Sub Total :</b>                   |                          |     | <b>2260</b> |                   |
| <b><u>PRIVATE SECTOR</u></b> |                                      |                          |     |             |                   |
| <b>MP</b>                    | Sasan UMTTP                          | Reliance Power           | U-1 | 660         | <b>21.5.2014</b>  |
| <b>Punjab</b>                | Talwandi Saboo TPP                   | M/s Sterlite             | U-1 | 660         | <b>17.6.2014</b>  |
| <b>Punjab</b>                | Rajpura TPP                          | Nabha Power Ltd          | U-2 | 700         | <b>6.7.2014</b>   |

|                              |                                      |                               |     |       |            |
|------------------------------|--------------------------------------|-------------------------------|-----|-------|------------|
| MP                           | Sasan UMPP                           | SPL                           | U-5 | 660   | 24.8.2014  |
| MP                           | Nigrie                               | JPVL                          | U-1 | 660   | 29.8.2014  |
| Maharastra                   | Tirora TPP Phase-II                  | Adani Power Maharashtra P Ltd | U-3 | 660   | 25.9.2014  |
| AP                           | Painampuram TPP                      | Thermal Power Tech Corp.Ltd   | U-1 | 660   | 7.2.2015   |
| MP                           | Nigrie                               | JPVL                          | U-2 | 660   | 17.2.2015  |
| Chhattisgarh                 | Raikheda TPP                         | GMR Chhattisgarh              | U-1 | 685   | 27.2.2015  |
| MP                           | Sasan UMPP                           | SPL                           | U-6 | 660   | 19.3.2015  |
|                              |                                      |                               |     |       |            |
|                              | <i>Sub Total :</i>                   |                               |     | 6665  |            |
|                              | <i>Total ( 14-15)</i>                |                               |     | 9525  |            |
| <b>2015-16</b>               |                                      |                               |     |       |            |
| <b><u>CENTRAL SECTOR</u></b> |                                      |                               |     |       |            |
| Maharastra                   | Mouda STPP-II                        | NTPC                          | U-3 | 660   | 28.3.2016  |
|                              |                                      |                               |     |       |            |
|                              | <b>Sub Total :</b>                   |                               |     | 660   |            |
| <b><u>State Sector</u></b>   |                                      |                               |     |       |            |
| Karnataka                    | Bellary TPS St-III                   | KPCL                          | U-1 | 700   | 01.03.2016 |
| Karnataka                    | Yermarus TPP                         | KPCL                          | U-1 | 800   | 29.03.2016 |
| Maharastra                   | Koradi TPP Expn.I                    | MSPGCL                        | U-9 | 660   | 15.03.2016 |
|                              | <b>Sub Total :</b>                   |                               |     | 2160  |            |
|                              |                                      |                               |     |       |            |
| <b><u>PRIVATE SECTOR</u></b> |                                      |                               |     |       |            |
| AP                           | Painampuram TPP                      | Thermal Power Tech Corp.Ltd   | U-2 | 660   | 03.09.2015 |
| Chhattisgarh                 | Raikheda TPP                         | GMR Chhattisgarh              | U-2 | 685   | 28.03.2016 |
| Punjab                       | Talwandi Saboo TPP                   | M/s Sterlite                  | U-2 | 660   | 30.10.2015 |
| Punjab                       | Talwandi Saboo TPP                   | M/s Sterlite                  | U-3 | 660   | 29.03.2016 |
| UP                           | Lalitpur TPP                         | Lalitpur Pwer Gen Co Ltd      | U-1 | 660   | 26.03.2016 |
| UP                           | Lalitpur TPP                         | Lalitpur Pwer Gen Co Ltd      | U-2 | 660   | 08.01.2016 |
| UP                           | Prayagraj(Bara) TPP                  | PrayagrajPower Genco Ltd      | U-1 | 660   | 25.12.2015 |
|                              | <b>Sub Total :</b>                   |                               |     | 4645  |            |
|                              | <i>Total ( 15-16)</i>                |                               |     | 7465  |            |
| <b>2016-17</b>               |                                      |                               |     |       |            |
| <b><u>PRIVATE SECTOR</u></b> |                                      |                               |     |       |            |
| UP                           | Lalitpur TPP                         | Lalitpur Pwer Gen Co Ltd      | U-3 | 660   | 01.04.2016 |
|                              | <b>Sub Total :</b>                   |                               |     | 660   |            |
|                              | <i>Total (1 6-17)</i>                |                               |     | 660   |            |
|                              | <i>Total (12<sup>th</sup> Plan):</i> |                               |     | 29470 |            |
|                              |                                      |                               |     |       |            |
|                              | <i>Total (upto 30.06.16):</i>        |                               |     | 35550 |            |

## 11. Details of Expenditure of Thermal Power Projects Under Construction

| State        | Project Name          | Impl Agency       | Main Equip. Supplier   | Unit No | Cap. (MW) | Total Exp incurred (Cr.) | Till (Month/Year) |
|--------------|-----------------------|-------------------|------------------------|---------|-----------|--------------------------|-------------------|
|              | <b>CENTRAL SECTOR</b> |                   |                        |         |           |                          |                   |
| Assam        | Bongaigaon TPP        | NTPC              | BHEL                   | U-2     | 250       | 6031.00                  | 05/16             |
| Assam        | Bongaigaon TPP        | NTPC              | BHEL                   | U-3     | 250       |                          |                   |
| Bihar        | Barh STPP- I          | NTPC              | Others                 | U-1     | 660       | 11805.00                 | 05/16             |
| Bihar        |                       |                   |                        | U-2     | 660       |                          |                   |
| Bihar        |                       |                   |                        | U-3     | 660       |                          |                   |
| Bihar        | Muzaffarpur TPS Exp   | JV of NTPC & BSEB | BHEL                   | U-4     | 195       | 3348.43                  | 05/16             |
| Bihar        | Nabi Nagar TPP        | NTPC              | BHEL                   | U-2     | 250       | 5594.02                  | 05/16             |
| Bihar        | Nabi Nagar TPP        | NTPC              | BHEL                   | U-3     | 250       |                          |                   |
| Bihar        | Nabi Nagar TPP        | NTPC              | BHEL                   | U-4     | 250       |                          |                   |
| Bihar        | New Nabi Nagar STPP   | NTPC              | BHEL                   | U-1     | 660       | 6214.19                  | 05/16             |
| Bihar        | New Nabi Nagar STPP   | NTPC              | BHEL                   | U-2     | 660       |                          |                   |
| Bihar        | New Nabi Nagar STPP   | NTPC              | BHEL                   | U-3     | 660       |                          |                   |
| Chhattisgarh | Lara TPP              | NTPC              | Boiler-Doosan, TG- BGR | U-1     | 800       | 6374.00                  | 05/16             |
| Chhattisgarh | Lara TPP              | NTPC              |                        | U-2     | 800       |                          |                   |
|              |                       |                   |                        | U-1     | 660       |                          |                   |
| Jharkhand    | North Karnpura TPP    | NTPC              | BHEL                   | U-2     | 660       | 2862.00                  | 05/16             |
| Karnataka    | Kudgi STPP Ph-I       | NTPC              | Others                 | U-1     | 800       | 11021.00                 | 05/16             |
| Karnataka    | Kudgi STPP Ph-I       | NTPC              | Others                 | U-2     | 800       |                          |                   |
| Karnataka    | Kudgi STPP Ph-I       | NTPC              | Others                 | U-3     | 800       |                          |                   |
| Maharashtra  | Mouda STPS-II         | NTPC              | BHEL                   | U-4     | 660       | 5507.00                  | 05/16             |
| Maharashtra  | Solapur STPP          | NTPC              | SG-BGR, SGT-Alsthom    | U-1     | 660       | 6465.00                  | 05/16             |
| Maharashtra  | Solapur STPP          | NTPC              |                        | U-2     | 660       |                          |                   |
| MP           | Gadarwara STPP        | NTPC              | BHEL                   | U-1     | 800       | 5789.00                  | 05/16             |
|              |                       |                   |                        | U-2     | 800       |                          |                   |
| MP           | Khargon TPP           | NTPC              | L&T                    | U-1     | 660       | 1570.00                  | 05/16             |
|              |                       |                   |                        | U-2     | 660       |                          |                   |
| Odisha       | Darlipalli STPP       | NTPC              | SG-BHEL, SGT-Toshiba   | U-1     | 800       | 3377.00                  | 05/16             |
|              |                       |                   |                        | U-2     | 800       |                          |                   |
| Telangana    | Telangana Ph-I        | NTPC              | SG-BHEL, SGT-Alsthom   | U-1     | 800       | 8.00                     | 05/16             |
|              |                       |                   |                        | U-2     | 800       |                          |                   |
| TN           | Neyveli New TPP       | NLC               | BHEL                   | U-1     | 500       | 1970.24                  | 05/16             |
|              |                       |                   |                        | U-2     | 500       |                          |                   |
| Tripura      | Agartala CCPP         | NEEPCO            | Thermax Ltd            | ST-2    | 25,5      | 316.85                   | 07/15             |
| UP           | Meja STPP             | NTPC              | SG-BGR, SGT-Toshiba    | U-1     | 660       | 5332.00                  | 06/16             |
| UP           | Meja STPP             | NTPC              |                        | U-2     | 660       |                          |                   |
| UP           | Tanda TPS II          | NTPC              | BHEL                   | U-1     | 660       | 1473.00                  | 05/16             |
|              |                       |                   |                        | U-2     | 660       |                          |                   |

|                      |                            |                            |                     |      |         |          |       |
|----------------------|----------------------------|----------------------------|---------------------|------|---------|----------|-------|
| UP                   | Unchahar St-IV             | NTPC                       | BHEL                | U-6  | 500     | 1396.00  | 05/16 |
| WB                   | Raghunathpur TPP-II        | DVC                        | SG-BGR,<br>SGT-BHEL | U-1  | 660     | 589.00   | 12/15 |
| WB                   |                            |                            |                     | U-2  | 660     |          |       |
| Total Central Sector |                            |                            |                     |      | 24970.5 |          |       |
|                      | STATE SECTOR               |                            |                     |      |         |          |       |
| AP                   | Rayalseema St-III U-6      | APGENCO                    | BHEL                | U-6  | 600     | 2710.30  | 06/16 |
| Assam                | Namrup CCGT                | APGCL                      | BHEL                | GT   | 70      | 438.61   | 05/16 |
|                      |                            |                            |                     | ST   | 30      |          |       |
| Bihar                | Barauni TPS Extn           | BSPGCL                     | BHEL                | U-8  | 250     | 4262.99  | 06/16 |
|                      |                            |                            |                     | U-9  | 250     |          |       |
| Chhattisgarh         | Marwa TPP                  | CSPGCL                     | BHEL                | U-2  | 500     | 8072.44  | 05/16 |
| Gujarat              | Bhavnagar Lignite TPP      | Bhavnagar Energy           | BHEL                | U-2  | 250     | 3622.15  | 03/15 |
| Gujarat              | Wanakbori TPS Extn.        | GSECL                      |                     | U-8  | 800     | 786.69   | 04/16 |
| Karnataka            | Yemarus TPP                | KPCL                       |                     | U-2  | 800     | 10799.78 | 03/16 |
| Maharashtra          | Koradi TPS Expn.           | MSPGCL                     | Non-BHEL            | U-10 | 660     | 13487.64 | 04/16 |
| MP                   | Shri Singhaji TPP          | MPPGCL                     | L&T                 | U-3  | 660     | 1233.67  | 05/16 |
|                      |                            |                            |                     | U-4  | 660     |          |       |
| Odisha               | Ib valley TPP              |                            | BHEL                | U-3  | 660     | 2538.74  | 05/16 |
|                      |                            |                            |                     | U-4  | 660     |          |       |
| Rajasthan            | Chhabra Super Critical TPP | RRVUNL                     | L&T-MHI             | U-5  | 660     | 4860.35  | 06/16 |
|                      |                            |                            |                     | U-6  | 660     |          |       |
| Rajasthan            | Suratgarh TPS              | RRVUNL                     | BHEL                | U-7  | 660     | 5115.49  | 06/16 |
|                      |                            |                            |                     | U-8  | 660     |          |       |
| Telangana            | Kothagudem TPS St-VII      | TSGENCO                    | BHEL                | U-1  | 800     | 351.74   | 01/16 |
| Telangana            | Bhadradri TPP/             | TSGENCO                    |                     | U-1  | 270     | NA       |       |
|                      |                            |                            |                     | U-2  | 270     |          |       |
|                      |                            |                            |                     | U-3  | 270     |          |       |
|                      |                            |                            |                     | U-4  | 270     |          |       |
| Telangana            | Singareni TPP              | SCCL                       | BHEL                | U-2  | 600     | 7079.00  | 05/16 |
| TN                   | Ennore exp. SCTPP(Lanco)   | TANGEDCO                   | LANCO               | U-1  | 660     | 453.71   | 03/16 |
| TN                   | Ennore SCTPP               | TANGEDCO                   | BHEL                | U-1  | 660     | NA       |       |
|                      |                            |                            |                     | U-2  | 660     |          |       |
| UP                   | Harduaganj Exp.-II TPP     | UPRVUNL                    | BHEL                | U- 1 | 660     | 203.90   | 12/15 |
| WB                   | Sagardidhi TPS Extn.       | WBPDCL                     | BHEL                | U-4  | 500     | 3873.19  | 06/16 |
|                      | Total State Sector         |                            |                     |      | 15110   |          |       |
|                      | PRIVATE SECTOR             |                            |                     |      |         |          |       |
| AP                   | Bhavanpadu TPP             | M/s East Coast Energy Ltd. | Chinese             | U-1  | 660     | 3785.60  | 01/16 |
|                      |                            |                            |                     | U-2  | 660     |          |       |
| AP                   | NCC TPP                    | NCC Power Projects Ltd     | Chinese             | U-1  | 660     | 8159.00  | 05/16 |
|                      |                            |                            |                     | U-2  | 660     |          |       |
| AP                   | Thamminapatnam TPP-II      | Meenaksha Energy Ltd.      | Chinese             | U-3  | 350     | 4604.63  | 06/16 |
|                      |                            |                            |                     | U-4  | 350     |          |       |
| Bihar                | Siriya TPP                 | Jas Infrastructure         | Chinese             | U-1  | 660     | NA       |       |
|                      |                            |                            |                     | U-2  | 660     |          |       |
|                      |                            |                            |                     | U-3  | 660     |          |       |

|              |                         |                                              |          |     |     |                          |       |
|--------------|-------------------------|----------------------------------------------|----------|-----|-----|--------------------------|-------|
|              |                         |                                              |          | U-4 | 660 |                          |       |
| Chhattisgarh | Akaltara (Naiyara) TPP  | Wardha PCL (KSK)                             | Chinese  | U-3 | 600 | 14969.00<br>(for 6units) | 08/15 |
|              |                         |                                              |          | U-4 | 600 |                          |       |
|              |                         |                                              |          | U-5 | 600 |                          |       |
|              |                         |                                              |          | U-6 | 600 |                          |       |
| Chhattisgarh | Binjkote TPP            | M/s SKS Power Generation (Chhattisgarh) Ltd. | Chinese  | U-1 | 300 | 3828.00                  | 06/15 |
|              |                         |                                              |          | U-2 | 300 |                          |       |
|              |                         |                                              |          | U-3 | 300 |                          |       |
|              |                         |                                              |          | U-4 | 300 |                          |       |
| Chhattisgarh | Devari TPP              | Visa Power Ltd                               | BHEL     | U-1 | 600 | 2077.23                  | 11/15 |
| Chhattisgarh | Lanco Amarkantak TPS-II | LAP Pvt. Ltd.                                | Chinese  | U-3 | 660 | 8442.00                  | 03/16 |
|              |                         |                                              |          | U-4 | 660 |                          |       |
| Chhattisgarh | Nawapura TPP            | M/s TRN Energy Pvt. Ltd.                     | Chinese  | U-1 | 300 | 3039.00                  | 03/16 |
|              |                         |                                              |          | U-2 | 300 |                          |       |
| Chhattisgarh | Ratija TPP-II           | M/s. ACB(India) Ltd                          | Non-BHEL | U-2 | 50  | 247.27                   | 03/16 |
| Chhattisgarh | Salora TPP              | M/s Vandana Vidyut                           | Chinese  | U-2 | 135 | 2386.89                  | 03/15 |
| Chhattisgarh | Singhitarai TPP         | Athena Chhattisgarh Power Ltd.               | Chinese  | U-1 | 600 | 5921.3                   | 05/16 |
|              |                         |                                              |          | U-2 | 600 |                          |       |
| Chhattisgarh | Uchpinda TPP            | RKM Powergen Pvt. Ltd                        | Chinese  | U-3 | 360 | 10297.33<br>(for 4units) | 04/16 |
|              |                         |                                              |          | U-4 | 360 |                          |       |
| Jharkhand    | Matrishi TPP-Ph-I       | M/s Corporate Power Ltd                      | BHEL     | U-1 | 270 | 3120.00                  | 11/12 |
|              |                         |                                              |          | U-2 | 270 |                          |       |
| Jharkhand    | Matrishi TPP-Ph-II      | Corporate Power Ltd                          | BHEL     | U-3 | 270 | 2207.00                  | 09/12 |
|              |                         |                                              |          | U-4 | 270 |                          |       |
| Jharkhand    | Tori TPP Ph-I           | Essar Power                                  | Chinese  | U-1 | 600 | 3883.53                  | 06/15 |
|              |                         |                                              |          | U-2 | 600 |                          |       |
| Jharkhand    | Tori TPP Ph-II          | Essar Power                                  | Chinese  | U-3 | 600 |                          |       |
| Maharashtra  | Amravati TPP Ph-II      | Ratan India Power Ltd.                       | BHEL     | U-1 | 270 | 763.80                   | 03/15 |
|              |                         |                                              |          | U-2 | 270 |                          |       |
|              |                         |                                              |          | U-3 | 270 |                          |       |
|              |                         |                                              |          | U-4 | 270 |                          |       |
|              |                         |                                              |          | U-5 | 270 |                          |       |
| Maharashtra  | Bijora Ghanmukh TPP     | Jinbhuvish Power Generation Pvt. Ltd.        | Chinese  | U-1 | 300 | 422.27                   | 03/15 |
|              |                         |                                              |          | U-2 | 300 |                          |       |
| Maharashtra  | Lanco Vidarbha TPP      | Lanco Vidarbha                               | Chinese  | U-1 | 660 | 4680.00                  | 06/16 |
|              |                         |                                              |          | U-2 | 660 |                          |       |
| Maharashtra  | Nasik TPP Ph-I          | Ratan India Power Ltd.                       | BHEL     | U-3 | 270 | 6613.12                  | 02/16 |
|              |                         |                                              |          | U-4 | 270 |                          |       |
|              |                         |                                              |          | U-5 | 270 |                          |       |
| Maharashtra  | Nasik TPP Ph-II         | Ratan India Power Ltd.                       | BHEL     | U-1 | 270 | 711.81                   | 03/15 |
|              |                         |                                              |          | U-2 | 270 |                          |       |
|              |                         |                                              |          | U-3 | 270 |                          |       |

|        |                                 |                         |          |     |         |          |       |
|--------|---------------------------------|-------------------------|----------|-----|---------|----------|-------|
|        |                                 |                         |          | U-4 | 270     |          |       |
|        |                                 |                         |          | U-5 | 270     |          |       |
| MP     | Gorgi TPP (DB Power)            | DB Power                | BHEL     | U-1 | 660     | 475.79   | 09/15 |
| MP     | Mahan TPP                       | Essar Power MP Ltd      | Chinese  | U-2 | 600     | 8051.53  | 05/16 |
| MP     | NiwariTPP                       | BLA Power               | L&T      | U-2 | 45      | 290.00   | 09/14 |
| Orissa | Ind Barat TPP (Orissa)          | Ind. Barath             | Chinese  | U-2 | 350     | 4245.00  | 06/16 |
| Orissa | KVK Nilanchal TPP               | KVK Nilachal            | Chinese  | U-1 | 350     | 1320.00  | 03/14 |
|        |                                 |                         |          | U-2 | 350     |          |       |
|        |                                 |                         |          | U-3 | 350     |          |       |
| Orissa | Lanco Babandh TPP               | Lanco Babandh Power Ltd | Chinese  | U-1 | 660     | 6832.00  | 05/16 |
|        |                                 |                         |          | U-2 | 660     |          |       |
| Orissa | Malibrahmani TPP (Monnet Ispat) | MPCL                    | BHEL     | U-1 | 525     | 5329.75  | 12/14 |
|        |                                 |                         |          | U-2 | 525     |          |       |
| TN     | Tuticorin TPP St-IV             | SEPC                    | BHEL     | U-1 | 525     | 482.32   | 06/16 |
| TN     | Tuticorin TPP(Ind Barath)       | IBPIL                   | Chinese  | U-1 | 660     | 2000.00  | 05/15 |
| UP     | Prayagraj (Bara) TPP            | J.P.Power Ventures      | BHEL     | U-2 | 660     | 13487.07 | 05/16 |
|        |                                 |                         |          | U-3 | 660     |          |       |
| WB     | India Power TPP.                | Haldia Energy Ltd       | BTG-BHEL | U-1 | 150     | 2681.11  | 05/16 |
|        |                                 |                         |          | U-2 | 150     |          |       |
|        |                                 |                         |          | U-3 | 150     |          |       |
|        | Total Private Sector            |                         |          |     | 30495   |          |       |
|        | Grand Total                     |                         |          |     | 70575.5 |          |       |
|        |                                 |                         |          |     |         |          |       |