



Review of Progress of Thermal Power Projects under execution in the Country

# 174 त्रैमासिक पुनरावलोकन (जनवरी- मार्च 2021)

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(In fulfillment of CEA's obligation under section 73(f) of Electricity Act, 2003)

174<sup>th</sup> *QUARTERLY REVIEW*  
(January – March 2021)

GOVERNMENT OF INDIA

MINISTRY OF POWER

## **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, 174<sup>th</sup> in the series (for the period January,2021 – March,2021) gives the details of Thermal Power Projects commissioned during 12<sup>th</sup> Plan and onwards. This review also provides up-to-date information in respect of Thermal Power Projects under construction and those targeted for commissioning during FY 2021-22.

The Quarterly Review has been brought out by CEA on the basis of data received from various power project authorities, visits made by CEA officers to various power projects and discussions held with the executing agencies and suppliers of equipment 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.

CEA whole heartedly welcomes suggestions/ feedback from various stake holders for further improvement in the Quarterly Review.

**(Chief Engineer)  
TPM Division, CEA**

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## 1. Executive Summary :

### 1.1 Original Targeted Capacity Addition Programme (Thermal/Hydro/Nuclear) during 12<sup>th</sup> Plan (MW) -

| SECTOR       | THERMAL        | HYDRO        | NUCLEAR     | TOTAL          |
|--------------|----------------|--------------|-------------|----------------|
| CENTRAL      | 14877.6        | 6004         | 5300        | 26181.6        |
| STATE        | 13922          | 1608         | 0           | 15530          |
| PRIVATE      | 43540          | 3285         | 0           | 46825          |
| <b>TOTAL</b> | <b>72339.6</b> | <b>10897</b> | <b>5300</b> | <b>88536.6</b> |

### 1.2 Actual Achievement Capacity Addition (Thermal/Hydro/Nuclear) during 12<sup>th</sup> Plan (MW) -

| Year         | Central Sector |                |             |                | State Sector    |             |                 | Private Sector |            |                | Total           |                |             | Grand Total     |
|--------------|----------------|----------------|-------------|----------------|-----------------|-------------|-----------------|----------------|------------|----------------|-----------------|----------------|-------------|-----------------|
|              | Thermal        | Hydro          | Nuclear     | Total          | Thermal         | Hydro       | Total           | Thermal        | Hydro      | Total          | Thermal         | Hydro          | Nuclear     |                 |
| 2012-13      | 5023.3         | 374            | -           | 5397.3         | 3911            | 66          | 3977            | 11187.5        | 70         | 11257.5        | 20121.8         | 510            | -           | 20631.8         |
| 2013-14      | 1660           | 914            | -           | 2574           | 3322            | 45          | 3367            | 11785          | 99         | 11884          | 16767           | 1058           | -           | 17825           |
| 2014-15      | 2659.2         | 736.01         | 1000        | 4395.21        | 4886.1          | 0           | 4886.1          | 13285          | 0          | 13285          | 20830.3         | 736.01         | 1000        | 22566.31        |
| 2015-16      | 3295.6         | 480            | -           | 3775.6         | 6460            | 610         | 7070            | 12705          | 426        | 13131          | 22460.6         | 1516           | -           | 23976.6         |
| 2016-17      | 3230.5         | 80             | 1000        | 4310.5         | 3622.25         | 1555        | 5177.25         | 4698           | 24         | 4722           | 11550.75        | 1659           | 1000        | 14209.75        |
| <b>Total</b> | <b>15868.6</b> | <b>2584.01</b> | <b>2000</b> | <b>20452.6</b> | <b>22201.35</b> | <b>2276</b> | <b>24477.35</b> | <b>53660.5</b> | <b>619</b> | <b>54279.5</b> | <b>91730.45</b> | <b>5479.01</b> | <b>2000</b> | <b>99209.46</b> |

### 1.3 Actual Capacity Addition (Thermal) vs Revised Targeted Capacity (Thermal) during 12<sup>th</sup> Plan -

| Year         | Revised Targeted Capacity (MW) | Actual Achievement (MW) | % Achievement   |
|--------------|--------------------------------|-------------------------|-----------------|
| 2012-13      | 15154.3                        | 20121.8                 | 132.78 %        |
| 2013-14      | 15234.3                        | 16767                   | 110.06 %        |
| 2014-15      | 14988.3                        | 20830.3                 | 138.98 %        |
| 2015-16      | 17346.1                        | 22460.6                 | 129.49 %        |
| 2016-17      | 13440.5                        | 11550.75                | 85.94 %         |
| <b>Total</b> | <b>76163.5</b>                 | <b>91730.45</b>         | <b>120.44 %</b> |

#### 1.4 Thermal Capacity Addition during FY : 2017-18, FY : 2018-19, FY : 2019-20 & FY : 2020-21

| Thermal capacity addition (MW) after 12th Plan [from 01.04.2017 onwards] |                 |             |                |                 |                 |             |                 |                |
|--------------------------------------------------------------------------|-----------------|-------------|----------------|-----------------|-----------------|-------------|-----------------|----------------|
| Sector                                                                   | FY 2017 - 18    |             | FY 2018-19     |                 | FY 2019-20      |             | FY 2020-21      |                |
|                                                                          | Target          | Achievement | Target         | Achievement     | Target          | Achievement | Target          | Achievement    |
| Central                                                                  | 4880            | 3170        | 2760           | 1300            | 6040            | 3940        | 5790            | 4080.00        |
| State                                                                    | 3546.15         | 1260        | 4506.15        | 2780            | 4256.15         | 2780        | 4276.15         | 846.15         |
| Private                                                                  | 2940            | 2280        | 0              | 0               | 0               | 0           | 525             | 0              |
| <b>Total</b>                                                             | <b>11366.15</b> | <b>6710</b> | <b>7266.15</b> | <b>4080</b>     | <b>10296.15</b> | <b>6720</b> | <b>10591.15</b> | <b>4926.15</b> |
| Additional Thermal Capacity included in Capacity Addition                |                 |             |                |                 |                 |             |                 |                |
| Central                                                                  | -               | -           | -              | 660             | -               | -           | -               | -              |
| State                                                                    | -               | 500         | -              | 69.755          | -               | -           | -               | -              |
| Private                                                                  | -               | 1500        | -              | 972             | -               | -           | -               | -              |
| <b>Total</b>                                                             | <b>-</b>        | <b>200</b>  | <b>-</b>       | <b>1701.755</b> | <b>-</b>        | <b>45</b>   | <b>-</b>        | <b>-</b>       |
| <b>Grand Total</b>                                                       | <b>11366.15</b> | <b>8710</b> | <b>7266.16</b> | <b>5781.755</b> | <b>10296.15</b> | <b>6765</b> | <b>10591.15</b> | <b>4926.15</b> |

#### 1.5 Summary of Super Critical and Sub Critical Units under construction (As on 1<sup>st</sup> April, 2021) -

| Sector       | Super-Critical (MW) | Sub-Critical (MW) | Total (MW)   | No. of Super-Critical Units | No. of Sub-Critical Units | Total No. of Units | No. of Super - Critical Projects | No. of Sub - Critical Projects | Total No. of Projects |
|--------------|---------------------|-------------------|--------------|-----------------------------|---------------------------|--------------------|----------------------------------|--------------------------------|-----------------------|
| Central      | 14040               | 1000              | 15040        | 20                          | 4                         | 24                 | 9                                | 4                              | 13                    |
| State        | 17240               | 640               | 17880        | 24                          | 2                         | 26                 | 15                               | 2                              | 17                    |
| Private      | 9240                | 14490             | 23730        | 14                          | 39                        | 53                 | 7                                | 19                             | 26                    |
| <b>Total</b> | <b>40520</b>        | <b>16130</b>      | <b>56650</b> | <b>58</b>                   | <b>45</b>                 | <b>103</b>         | <b>31</b>                        | <b>25</b>                      | <b>56</b>             |

## 2.0 Tentative Thermal Capacity Addition Target for the FY 2021-22:

| S.No.                                  | Project Name                        | State      | District              | Implementing Agency           | Equipment (BTG) Supplier                               | Unit No. | Capacity (MW) | Original Commissioning Schedule | Anticipated Trial Run at beginning of Year |
|----------------------------------------|-------------------------------------|------------|-----------------------|-------------------------------|--------------------------------------------------------|----------|---------------|---------------------------------|--------------------------------------------|
| CENTRAL SECTOR                         |                                     |            |                       |                               |                                                        |          |               |                                 |                                            |
| 1                                      | Barh STPP-I                         | Bihar      | Patna                 | NTPC                          | Russia                                                 | U-1      | 660           | Aug'09                          | May'21                                     |
| 2                                      | Darlipalli STPP                     | Odisha     | Sundergarh            | NTPC                          | SG : BHEL, TG : Toshiba                                | U-2      | 800           | Jun'18                          | Aug'21                                     |
| 3                                      | Nabi Nagar TPP                      | Bihar      | Aurangabad            | BRBCL (JV of NTPC & Railways) | BHEL                                                   | U-4      | 250           | Nov'13                          | Sep'21                                     |
| 4                                      | Rourkela TPP-II Expansion           | Odisha     | Sundergarh            | NSPCL (JV of NTPC & SAIL)     | BHEL                                                   | U-1      | 250           | Dec'18                          | Sep'21                                     |
| 5                                      | Nabi Nagar STPP                     | Bihar      | Aurangabad            | NPGCL (JV of NTPC & BSPGCL)   | SG : BHEL, TG : Alstom                                 | U-3      | 660           | Jan'18                          | Oct'21                                     |
| 6                                      | North Karanpura STPP                | Jharkhand  | Chatra                | NTPC                          | BHEL                                                   | U-1      | 660           | Feb'18                          | Oct'21                                     |
| 7                                      | Ghatampur TPP                       | U.P.       | Kanpur                | NUPPL (JV of NLC & UPRVUNL)   | SG : MHPS Boilers Pvt. Ltd., TG : Alstom -Bharat Forge | U-1      | 660           | Apr'20                          | Mar'22                                     |
| 8                                      | Telangana STPP St- I                | Telangana  | Karim Nagar           | NTPC                          | SG : BHEL, TG : Alstom-Bharat Forge                    | U-1      | 800           | Jan'20                          | Mar'22                                     |
| Total Central Sector                   |                                     |            |                       |                               |                                                        |          | 4740          |                                 |                                            |
| STATE SECTOR                           |                                     |            |                       |                               |                                                        |          |               |                                 |                                            |
| 1                                      | Suratgarh SCTPP                     | Rajasthan  | Sri Ganga Nagar       | RRVUNL                        | SG : Alstom, TG : Siemens                              | U-8      | 660           | Dec'16                          | Apr'21                                     |
| 2                                      | Bhadradri TPP                       | Telangana  | Bhadradari-Kothagudem | TSGENCO                       | BHEL                                                   | U-4      | 270           | Sep'17                          | Sep'21                                     |
| 3                                      | Harduaganj TPS Exp-II               | U.P.       | Aligarh               | UPRVUNL                       | SG : Doosan, TG : Toshiba-JSW                          | U-1      | 660           | Jun'19                          | Jul'21                                     |
| 4                                      | Sri Damodaran Sanjeevaiah TPP St-II | A. P.      | Nellore               | APGENCO                       | BHEL                                                   | U-1      | 800           | Mar'19                          | Jul'21                                     |
| 5                                      | North Chennai TPP St-III            | Tamil Nadu | Thiruvallur           | TANGEDCO                      | SG : Alstom, TG : Siemens                              | U-1      | 800           | Mar'19                          | Dec'21                                     |
| 6                                      | Yelahanka CCPP                      | Karnataka  | Bangalore             | KPCL                          | BHEL                                                   | GT+ST    | 370           | Mar'18                          | Sep'21                                     |
| 7                                      | Dr.Narla Tata Rao TPP St-V          | A. P.      | Vijayawada            | APGENCO                       | BHEL                                                   | U-1      | 800           | Jun'19                          | Oct'21                                     |
| Total State Sector                     |                                     |            |                       |                               |                                                        |          | 4360          |                                 |                                            |
| PRIVATE SECTOR                         |                                     |            |                       |                               |                                                        |          |               |                                 |                                            |
| 1                                      | Tuticorin TPP St-IV                 | TamilNadu  | Thoothukudi           | SEPC                          | BHEL                                                   | U-1      | 525           | Sep'18                          | May'21                                     |
| Total Private Sector                   |                                     |            |                       |                               |                                                        |          | 525           |                                 |                                            |
| Total Thermal Capacity Addition Target |                                     |            |                       |                               |                                                        |          | 9625          |                                 |                                            |

### 3. Year Wise Details of Thermal Capacity Addition in the Country During 12<sup>th</sup> Plan and Beyond (up to Year 2020-21):

#### 3.1 Thermal Capacity Addition Target/ Achievement for the Year 2012-13 :

| State                | Project Name               | Impl Agency                | Unit No  | LOA Date | BTG Supplier | Targeted Cap. (MW) | Actual Cap. comm. (MW) | Comm. Date                         |              | COD        |
|----------------------|----------------------------|----------------------------|----------|----------|--------------|--------------------|------------------------|------------------------------------|--------------|------------|
|                      |                            |                            |          |          |              |                    |                        | Envisaged at the beginning of year | Ant. /Act(A) |            |
| CENTRAL SECTOR       |                            |                            |          |          |              |                    |                        |                                    |              |            |
| Chhattisgarh         | Sipat -I                   | NTPC                       | U-3      | Apr-04   | Others       | 660                | 660                    | 06/12                              | 02.06.12(A)  | 01.08.2012 |
| Haryana              | Indira Gandhi TPP          | APCPL                      | U-3      | Jul-07   | BHEL         | 500                | 500                    | 12/12                              | 07.11.12(A)  | 26.04.2013 |
| Jharkhand            | Kodarma TPP                | DVC                        | U-2      | Jun-07   | BHEL         | 500                | 500                    | 12/12                              | 15.02.13(A)  | 14.06.2014 |
| Maharashtra          | Mouda TPP                  | NTPC                       | U-1      | Nov-08   | BHEL         | 500                | 500                    | 07/12                              | 19.04.12(A)  | 13.03.2013 |
| Maharashtra          | Mouda TPP                  | NTPC                       | U-2      | Nov-08   | BHEL         | -                  | 500                    | -                                  | 29.03.13(A)  | March 14   |
| MP                   | Vindhyachal TPP-IV         | NTPC                       | U-11     | Jan-09   | BHEL         | 500                | 500                    | 07/12                              | 14.06.12(A)  | 01.03.2013 |
| MP                   | Vindhyachal TPP-IV         | NTPC                       | U-12     | Jan-09   | BHEL         | -                  | 500                    | -                                  | 22.03.13(A)  | March 14   |
| TN                   | Vallur TPP Ph-I            | NTECL                      | U-2      | Aug-07   | BHEL         | 500                | 500                    | 02/13                              | 28.02.13(A)  | 25.08.2013 |
| Tripura              | Tripura Gas                | ONGC                       | Module-1 | Jun-08   | BHEL         | 363.3              | 363.3                  | 11/12                              | 03.01.13 (A) | 04.01.2014 |
| UP                   | Rihand TPP-III             | NTPC                       | U-5      | Feb-09   | BHEL         | 500                | 500                    | 06/12                              | 25.05.12(A)  | 19.11.2012 |
| Total Central Sector |                            |                            |          |          |              | 4023.3             | 5023.3                 |                                    |              |            |
| STATE SECTOR         |                            |                            |          |          |              |                    |                        |                                    |              |            |
| Chhattisgarh         | Korba West Extn.St.III TPP | CSEB                       | U-5      | -        | BEHL         | -                  | 500                    | -                                  | 22.03.13(A)  | 05.09.2013 |
| Chhattisgarh         | Marwa TPP                  | CSEB                       | U-1      | Apr-08   | BHEL         | 500                | -                      | 02/13                              | Slipped      | -          |
| Delhi                | Pragati CCGT - III         | PPCL                       | GT-3     | May-08   | BHEL         | 250                | 250                    | 08/12                              | 27.06.12(A)  | 28.10.2013 |
| Gujarat              | Pipavav CCPP               | GSECL                      | Block-2  | Dec-07   | BHEL         | 351                | 351                    | 01/13                              | 27.03.13(A)  | 27.03.2013 |
|                      | Ukai TPP Extn              | GSECL                      | U-6      | Sep-07   | BHEL         | 490                | 490                    | 12/12                              | 05.03.13(A)  | 08.06.2013 |
| Rajasthan            | Ramgarh CCGT               | RRVUNL                     | GT       | Aug-09   | BHEL         | 110                | 110                    | 01/13                              | 20.03.13(A)  | 06.12.2013 |
|                      | Ramgarh CCGT               | RRVUNL                     | ST-1     |          | BHEL         | 50                 | -                      | 02/13                              | Slipped      | -          |
| MP                   | Satpura TPP Extn.          | MPPGCL                     | U-10     | Mar-08   | BHEL         | 250                | 250                    | 02/13                              | 22.03.13(A)  | 18.08.2013 |
| TN                   | Mettur TPP Ext             | TNEB                       | U-1      | Aug-08   | Chinese      | 600                | 600                    | 06/12                              | 11.10.12(A)  | 12.10.2013 |
|                      | North Chennai Extn.        | TNEB                       | U-2      | Aug-08   | BHEL         | 600                | 600                    | 03/13                              | 09.03.13(A)  | 08.05.2014 |
| UP                   | Harduaganj Ext             | UPRVUNL                    | U-9      | Jun-06   | BHEL         | 250                | 250                    | 05/12                              | 25.05.12(A)  | 10.10.2013 |
|                      | Parichha Extn              | UPRVUNL                    | U-5      | Jun-06   | BHEL         | 250                | 250                    | 06/12                              | 24.05.12(A)  | 17.07.2012 |
|                      | Parichha Extn              | UPRVUNL                    | U-6      |          |              | 250                | 250                    | 09/12                              | 11.03.13(A)  | 18.04.2013 |
| Total -State Sector  |                            |                            |          |          |              | 3951               | 3911                   |                                    |              |            |
| PRIVATE SECTOR       |                            |                            |          |          |              |                    |                        |                                    |              |            |
| AP                   | Simhapuri TPP Ph-1         | Madhucon Projects Ltd.     | U-2      | Jan-09   | Chinese      | 150                | 150                    | 09/12                              | 02.07.12(A)  | 15.07.2012 |
|                      | Thamminapatnam TPP-I       | Meenakshi Energy Pvt. Ltd. | U-1      | Aug-09   | Chinese      | 150                | 150                    | 08/12                              | 09.09.12(A)  | 07.10.2012 |
|                      | Thamminapatnam TPP-I       | Meenakshi Energy Pvt. Ltd. | U-2      |          |              | 150                | -                      | 11/12                              | Slipped      | -          |
| Chhattisgarh         | Kasaipalli TPP             | M/s ACB (India)            | U-2      | Nov-08   | Chinese      | 135                | 135                    | 06/12                              | 21.06.12(A)  | 21.06.2012 |
|                      | Salora TPP                 | M/s Vandna Vidyut          | U-1      | Nov-08   | Chinese      | 135                | -                      | 12/12                              | Slipped      | -          |
|                      | Swastik Korba TPS          | ACB                        | U-1      | -        | Others       | 25                 | -                      | 06/12                              | Slipped      | -          |
|                      | Ratija TPP                 | SCPL                       | U-1      | -        | Chinese      | -                  | 50                     | -                                  | 04.02.13(A)  | 27.02.2013 |
| Gujarat              | Mundra Ultra Mega TPP      | Tata Power Co.             | U-2      | May-07   | Others       | 800                | 800                    | 12/12                              | 25.07.12(A)  | 28.07.2012 |
|                      | Mundra Ultra Mega TPP      | Tata Power Co.             | U-3      | May-07   | Others       | -                  | 800                    | -                                  | 16.10.12(A)  | 27.10.2012 |
|                      | Mundra Ultra Mega TPP      | Tata Power Co.             | U-4      | May-07   | Others       | -                  | 800                    | -                                  | 16.01.13(A)  | 21.01.2013 |
|                      | Mundra Ultra Mega TPP      | Tata Power Co.             | U-5      | Jun-07   | Others       | -                  | 800                    | -                                  | 18.03.13(A)  | 22.03.2013 |
|                      | UNO-SUGEN CCPP             | Torrent Power Ltd.         | Mod-1    | -        | Others       | -                  | 382.5                  | -                                  | 20.01.13(A)  | 04.04.2013 |
|                      | Salaya TPP                 | ESSAR                      | U-2      | Nov-07   | Chinese      | 600                | 600                    | 08/12                              | 13.06.12(A)  | 15.06.2012 |

| State                      | Project Name                              | Impl Agency               | Unit No | LOA Date | BTG Supplier | Targeted Cap. (MW) | Actual Cap. comm. (MW) | Comm. Date                         |              | COD        |
|----------------------------|-------------------------------------------|---------------------------|---------|----------|--------------|--------------------|------------------------|------------------------------------|--------------|------------|
|                            |                                           |                           |         |          |              |                    |                        | Envisaged at the beginning of year | Ant. /Act(A) |            |
| Haryana                    | Jhajjar TPP (Mahatma Gandhi TPP)          | CLP Power India Pvt. Ltd. | U-2     | Jan-09   | Chinese      | 660                | 660                    | 04/12                              | 11.04.12(A)  | 19.07.2012 |
| Jharkhand                  | Adhunik Power TPP                         | Adhunik Power Co. Ltd.    | U-1     | May-09   | BHEL         | 270                | 270                    | 09/12                              | 19.11.12(A)  | 21.01.2013 |
|                            | Adhunik Power TPP                         | Adhunik Power Co. Ltd.    | U-2     | May-09   | BHEL         | -                  | 270                    | -                                  | 29.03.13(A)  | 19.05.2013 |
|                            | Corporate Power Ltd Ph-I (Maitrishi Usha) | M/s Corporate Power Ltd.  | U-1     | Dec-09   | BHEL         | 270                | -                      | 12/12                              | Slipped      | -          |
| Maharashtra                | Bela TTP-I                                | IEPL                      | U-1     | Dec-08   | BHEL         | 270                | 270                    | 09/12                              | 20.03.13(A)  | 18.07.2013 |
|                            | Butibori TPP                              | Vidarbha Industries Power | U-2     | Dec-09   | Chinese      | 300                | 300                    | 08/12                              | 17.08.12 (A) | 04.04.2013 |
|                            | EMCO Warora TPP                           | EMCO Energy Ltd. (GMR)    | U-1     | Sep-09   | Chinese      | 300                | 300                    | 11/12                              | 07.02.13(A)  | 19.03.2013 |
|                            | Tirora TPP Ph-I                           | Adani Power Ltd           | U-1     | Feb-08   | Chinese      | 660                | 660                    | 08/12                              | 11.09.12(A)  | 23.09.2012 |
|                            | Tirora TPP Ph-I                           | Adani Power Ltd           | U-2     |          |              | 660                | 660                    | 11/12                              | 25.03.13(A)  | 30.03.2013 |
|                            | Tirora TPP Ph-II                          | Adani Power Ltd           | U-1     |          |              | 660                | -                      | 02/13                              | Slipped      | -          |
|                            | GEPL TPP                                  | GEPL Pvt. Ltd.            | U-2     | Mar-09   | Chinese      | -                  | 60                     | -                                  | 28.04.12(A)  | -          |
|                            | GEPL TPP                                  | GEPL Pvt. Ltd.            | U-1     | -        | Chinese      | -                  | 60                     | -                                  | 08.09.12(A)  | 09.05.2012 |
|                            | Amaravathi TPP Ph-I                       | Indiabulls                | U-1     | -        | BHEL         | -                  | 270                    | -                                  | 25.03.13(A)  | 03.06.2013 |
| MP                         | Bina TPP                                  | Bina Power Ltd.           | U-1     | Sep-08   | BHEL         | 250                | 250                    | 09/12                              | 12.08.12(A)  | 30.08.2012 |
|                            | Bina TPP                                  | Bina Power Ltd.           | U-2     | Sep-08   | BHEL         |                    | 250                    | -                                  | 31.03.13(A)  | 07.04.2013 |
|                            | Mahan                                     | Essar Power Ltd.          | U-1     | -        | Chinese      |                    | 600                    | -                                  | 24.02.13(A)  | 29.04.2013 |
| Orissa                     | Sterlite TPP                              | Sterlite Energy Ltd.      | U-4     | Sep-08   | Chinese      | 600                | 600                    | 06/12                              | 25.04.12(A)  | 26.04.2012 |
|                            | Kamalanga TPP                             |                           | U-1     | -        | Chinese      |                    | 350                    | -                                  | 29.03.13(A)  | 25.03.2014 |
| Rajasthan                  | Jallipa- Kapurdi TPP                      | Raj west power Ltd (JSW)  | U-5     | Mar-07   | Chinese      | 135                | 135                    | 03/13                              | 05.02.13(A)  | 05.02.2013 |
|                            |                                           |                           | U-6     | Apr-07   | Chinese      | -                  | 135                    | -                                  | 03.03.13(A)  | 03.03.2013 |
|                            |                                           |                           | U-7     | Jun-07   | Chinese      | -                  | 135                    | -                                  | 16.03.13(A)  | 16.03.2013 |
|                            |                                           |                           | U-8     | May-07   | Chinese      | -                  | 135                    | -                                  | 28.02.13(A)  | 28.02.2013 |
| TN                         | Tuticorin TPP                             | Ind Barath                | U-1     | -        | Chinese      | -                  | 150                    | -                                  | 10.03.13(A)  | 07.02.2013 |
| Total -Private Sector      |                                           |                           |         |          |              | 7180               | 11187.5                |                                    |              |            |
| Total for the year 2012-13 |                                           |                           |         |          |              | 15154.3            | 20121.8                |                                    |              |            |

### 3.2 Thermal Capacity Addition Target/ Achievement for the Year 2013-14 :

| State                | Project Name                        | Impl Agency                       | Unit No | LOA Date      | BTG Supplier                                      | Targeted Cap. (MW) | Actual Cap. comm. (MW) | Actual Comm. Date | At the beginning of the year | COD           |
|----------------------|-------------------------------------|-----------------------------------|---------|---------------|---------------------------------------------------|--------------------|------------------------|-------------------|------------------------------|---------------|
| CENTRAL SECTOR       |                                     |                                   |         |               |                                                   |                    |                        |                   |                              |               |
| Bihar                | Barh STPP St-II                     | NTPC                              | 4       | 03/08 & 10/08 | BHEL                                              | 660                | 660                    | 30/11/13          | 12/13                        | 15.11.2014    |
| TN                   | Vallur TPP Ph-I                     | NTPC/ NTECL/ TNEB-JV              | 3       | 07/09         | BHEL                                              | 500                | 500                    | 28.02.2014        | 03/14                        | 26.02.2015    |
| TN                   | Tuticorin TPP                       | NLC/ TNEB-JV                      | 1       | 01/09         | BHEL                                              | 500                | -                      | Slipped           | 03/14                        | -             |
| Tripura              | Tripura CCGT                        | ONGC JV                           | Blk-2   | 06/08         | BHEL                                              | 363.3              | -                      | Slipped           | 09/13                        | -             |
| UP                   | Rihand STPP St-III                  | NTPC                              | 6       | 02/09         | BHEL                                              | 500                | 500                    | 7/10/2013         | 12/13                        | March 2014    |
| WB                   | Raghunathpur TPP                    | DVC                               | 1       | 12/07         | CHINA                                             | 600                | -                      | Slipped           | 03/14                        | -             |
| Total Central Sector |                                     |                                   |         |               |                                                   | 3123.3             | 1660                   |                   |                              |               |
| STATE SECTOR         |                                     |                                   |         |               |                                                   |                    |                        |                   |                              |               |
| Chhattisgarh         | Marwa TPP                           | CSEB                              | 1       | 04/08         | BHEL                                              | 500                | 500                    | 30.03.2014        | 09/13                        | -             |
| Delhi                | Pragati St-III CCGT                 | PPCL                              | GT-4    | 05/08         | BHEL                                              | 250                | 250                    | 7/5/2013          | 06/13                        | 27.02.2014    |
| Delhi                | Pragati St-III CCGT                 | PPCL                              | ST-2    | 05/08         | BHEL                                              | 250                | 250                    | 26.02.2014        | 09/13                        | 27.03.2014    |
| Gujarat              | Pipavav JV CCGT                     | GSECL                             | Block-1 | 12/07         | BHEL                                              | 351                | 351                    | 05/02/2013        | 09/13                        | -             |
| MP                   | Shree Singaji TPP(Malwa TPP)        | MPPGCL                            | 1       | 12/08         | BHEL                                              | 600                | 600                    | 18/11/2013        | 06/13                        | February 2014 |
| MP                   | Satpura TPS Extn.                   | MPPGCL                            | 11      | 03/08         | BHEL                                              | 250                | 250                    | 25/12/2013        | 10/13                        | 16.03.2014    |
| Maha-rashtra         | Chandrapur TPS Extn.                | MAHAGENCO                         | 8       | 07/08         | BHEL                                              | 500                | -                      | Slipped           | 12/13                        | -             |
| Rajasthan            | Kalisindh TPP                       | RRVUNL                            | 1       | 07/08         | SEPCO, CHINA                                      | 600                | -                      | Slipped           | 12/13                        | -             |
| Rajasthan            | Chhabra TPS Extn.                   | RRVUNL                            | 3       | 08/08         | BHEL                                              | 250                | 250                    | 14/09/13          | 06/13                        | 19.12.2013    |
| Rajasthan            | Chhabra TPS Extn.                   | RRVUNL                            | 4       | 08/08         | BHEL                                              | 250                | -                      | Slipped           | 01/14                        | -             |
| Rajasthan            | Ramgarh CCPP                        | RRVUNL                            | ST      | 08/09         | BHEL                                              | 50                 | -                      | Slipped           | 12/13                        | --            |
| TN                   | North Chennai TPS Extn.             | TNEB                              | 1       | 08/08         | BHEL                                              | 600                | 600                    | 13/09/13          | 09/13                        | 20.03.2014    |
| Total -State Sector  |                                     |                                   |         |               |                                                   | 4451               | 3051                   |                   |                              |               |
| PRIVATE SECTOR       |                                     |                                   |         |               |                                                   |                    |                        |                   |                              |               |
| AP                   | Vizag TPP                           | Hinduja                           | 1       | 03/10         | BHEL                                              | 520                | -                      | -                 | 03/14                        | -             |
| AP                   | Thammina-patnam TPP                 | Meena-kshi Energy                 | 2       | 08/09         | Chinese                                           | 150                | 150                    | 17/04/13          | 09/13                        | 30.04.2013    |
| Chhattis-garh        | Tamnar TPP                          | Jindal Power                      | 1       | 12/08         | BHEL                                              | 600                | 600                    | 10.03.2014        | 03/14                        | 14.03.2014    |
| Chhattis-garh        | Vandana Vidyut TPP                  | Vandana Vidyut TPP                | 1       | 05/08         | BOILER: CETHAR<br>VESSELS LTD TG:<br>CNAIC, CHINA | 135                | -                      | Slipped           | 06/13                        | -             |
| Chhattis-garh        | DB Power TPP                        | DB Power Ltd                      | 1       | 05/10         | BHEL                                              | 600                | 600                    | 23.02.2014        | 12/13                        | 03.11.2014    |
| Chhattis-garh        | Swastik Korba TPP                   | ACB                               | 1       | 02/10         | BOILER: IJT;<br>TURBINE: SIEMENS                  | 25                 | -                      | Slipped           | 12/13                        |               |
| Chhattis-garh        | Akaltara TPP                        | KSK Mahanadi                      | 1       | 04/09         | SEC,CHIINA                                        | 600                | 600                    | 13/08/13          | 09/13                        | 14.08.2013    |
| MP                   | Sasan UMPP                          | Reliance Power                    | 3       | 06/08         | SEC, CHINA                                        | 660                | 660                    | 30/5/13           | 05/13                        |               |
| MP                   | Sasan UMPP                          | Reliance Power                    | 2       | 06/08         | SEC, CHINA                                        | 660                | 660                    | 18/12/13          | 09/13                        |               |
| Maha-rashtra         | Nasik TPP Ph-I                      | India Bulls                       | 1       | 11/09         | BHEL                                              | 270                | 270                    | 25.02.2014        | 09/13                        | 29.03.2014    |
| Maha-rashtra         | Dhariwal Infrastructure (P) Ltd.TPP | Dhariwal Infra-structure (P) Ltd. | 1       | 04/10         | SEC, CHINA                                        | 300                | 300                    | 3/11/2013         | 06/13                        | 13.02.2014    |
| Maha-rashtra         | Dhariwal Infrastructure (P) Ltd.TPP | Dhariwal Infra-structure (P) Ltd. | 2       | 04/10         | SEC, CHINA                                        | 300                | -                      | Slipped           | 12/13                        |               |
| Maha-rashtra         | EMCO Warora TPP                     | GMR EMCO Energy Ltd.              | 2       | 09/09         | SEC, CHINA                                        | 300                | 300                    | 27/08/2013        | 06/13                        | 01.09.2013    |

| State                                | Project Name          | Impl Agency                                 | Unit No | LOA Date | BTG Supplier                   | Targeted Cap. (MW) | Actual Cap. comm. (MW) | Actual Comm. Date | At the beginning of the year | COD        |
|--------------------------------------|-----------------------|---------------------------------------------|---------|----------|--------------------------------|--------------------|------------------------|-------------------|------------------------------|------------|
| Maha-rashtra                         | Tirora TPP Ph-II      | Adani Power                                 | 1       | 02/08    | SCMEC, CHINA                   | 660                | 660                    | 10/6/2013         | 06/13                        | 14.06.2013 |
| Orissa                               | Derang TPP            | Jindal India Thermal Power                  | 1       | 07/09    | BHEL                           | 600                | -                      | Slipped           | 12/13                        | -          |
| Orissa                               | Kamalang TPP          | GMR Energy                                  | 2       | 08/08    | SEPCO III, CHNA                | 350                | 350                    | 28/09/13          | 09/13                        | 12.11.2013 |
| Punjab                               | Goindwal Sahib TPP    | GVK Industries                              | 1       | 02/09    | BHEL                           | 270                | -                      | Slipped           | 06/13                        | -          |
| Punjab                               | Talwandi Sahib TPP    | Sterlite                                    | 1       | 07/09    | SEPCO I, CHINA                 | 660                | -                      | Slipped           | 01/14                        | -          |
| Total -Private Sector                |                       |                                             |         |          |                                | 7660               | 5150                   |                   |                              |            |
| Total for the year 2013-14           |                       |                                             |         |          |                                | 15234.3            | 9861                   |                   |                              |            |
|                                      |                       |                                             |         |          |                                |                    |                        |                   |                              |            |
| Additional Capacity Commissioned     |                       |                                             |         |          |                                |                    |                        |                   |                              |            |
| State Sector-                        |                       |                                             |         |          |                                |                    |                        |                   |                              |            |
| Tripura                              | Rokhia GT             | Tripura State Electricity Corporation Ltd.) | 9       | -        | BHEL                           | -                  | 21                     | 31/08/2013        | -                            | -          |
| West Bengal                          | Durgapur TPS Extn     | DPL                                         | 8       | -        | BHEL                           | -                  | 250                    | 31.03.2014        | -                            | -          |
| Additional Capacity - State Sector   |                       |                                             |         |          |                                |                    | 271                    |                   |                              |            |
| Private Sector -                     |                       |                                             |         |          |                                |                    |                        |                   |                              |            |
| Rajasthan                            | Kawai TPP             | Adani Power Rajasthan Ltd.                  | 1       | 04/10    | Chinese                        | -                  | 660                    | 28/05/2013        | -                            | 31.05.2013 |
| Rajasthan                            | Kawai TPP             | Adani Power Rajasthan Ltd.                  | 2       | 04/10    | Chinese                        | -                  | 660                    | 24/12/2013        | -                            | 31.05.2014 |
| MP                                   | BLA Power(Niwari) TPP | BLA Power Pvt.Ltd                           | 1       | -        | Boiler –ISGEC Turbine- SIEMENS | -                  | 45                     | 24/03/2012        | -                            | 03.04.2012 |
| TN                                   | Tuticorin Indbarath   | Indbarath Ltd                               | 2       |          | Chinese                        | -                  | 150                    | 30/12/2013        | -                            | 15.03.2014 |
| Punjab                               | Rajpura TPP           | Nabha Power                                 | 1       | Jul-10   | L&T                            | -                  | 700                    | 24/01/2014        | -                            | 01.02.2014 |
| Gujarat                              | Dgen CCPP             | Torrent Power                               | Block-I | Jul-10   | Siemens Germany                | -                  | 400                    | 12/01/2014        | -                            | -          |
| Maharashtra                          | Amaravati TPP Ph-I    | India bulls Power Ltd                       | 2       | Nov-09   | BHEL                           | -                  | 270                    | 17.02.2014        | -                            | 28.03.2014 |
| AP                                   | Simhapuri TPS Ph-II   | Simhapuri Energy Pvt Ltd                    | 3       | Mar-10   | Chinese                        | -                  | 150                    | 21.02.2014        | -                            | 26.02.2014 |
| Gujarat                              | Dgen CCPP             | Torrent Power                               | Block-3 | Jul-10   | Siemens Germany                | -                  | 400                    | 09/03/2014        | -                            |            |
| Orissa                               | Kamalang TPP          | GMR Energy                                  | 3       | 08/08    | SEPCO III, CHNA                | -                  | 350                    | 21/03/14          | -                            | 25.03.2014 |
| Maha-rashtra                         | Tirora TPP Ph-II      | Adani Power                                 | 2       | 02/08    | SCMEC, CHINA                   | -                  | 660                    | 23/3/2014         | -                            | 31.03.2014 |
| MP                                   | Sasan UMPP            | Reliance Power                              | 4       | 06/08    | SEC, CHINA                     | -                  | 660                    | 25/03/14          | -                            | 12.04.2014 |
| Chhattis-garh                        | Tamnar TPP            | Jindal Power                                | 2       | 12/08    | BHEL                           | -                  | 600                    | 30.03.2014        | -                            | 31.03.2014 |
| Chhattis-garh                        | Chakabura TPP         | ACBIL                                       | 1       | -        | Chinese                        | -                  | 30                     | 28.03.2014        | -                            | 30.03.2014 |
| Chhattis-garh                        | Avantha Bhandar TPP   | KWPCL                                       | 1       | -        | BHEL                           | -                  | 600                    | 31.03.2014        | -                            | 01.04.2014 |
| Maha-rashtra                         | Butibori TPP Ph-II    | Vidarbha Industries Power Ltd               | 1       | -        | Chinese                        | -                  | 300                    | 19.03.2013        | -                            | 28.03.2014 |
| Additional Capacity - Private Sector |                       |                                             |         |          |                                |                    | 6635                   |                   |                              |            |
| Total Additional Capacity            |                       |                                             |         |          |                                |                    | 6906                   |                   |                              |            |
| Gross Total - State Sector           |                       |                                             |         |          |                                |                    | 3322                   |                   |                              |            |
| Gross Total - Private Sector         |                       |                                             |         |          |                                |                    | 11785                  |                   |                              |            |
| Gross Total for the Year 2013-14     |                       |                                             |         |          |                                |                    | 16767                  |                   |                              |            |

### 3.3 Thermal Capacity Addition Target/ Achievement for the Year 2014-15 :

| State        | Project Name                | Impl Agency                            | Equip. Supplier                |  | Fuel | Unit No | LOA date                 | Targeted Cap. (MW) | Actual Cap .comm. (MW) | Actual Comm. Date | At the beginning of the year | COD        |
|--------------|-----------------------------|----------------------------------------|--------------------------------|--|------|---------|--------------------------|--------------------|------------------------|-------------------|------------------------------|------------|
|              | CENTRAL SECTOR              |                                        |                                |  |      |         |                          |                    |                        |                   |                              |            |
| Bihar        | Barh STPP-II                | NTPC                                   | BHEL                           |  | Coal | U-5     | SG:03/2008<br>TG:10/2008 | 660                | 660                    | 04.03.2015        | Feb-15                       | 18.02.2016 |
|              | Muzaffarpur TPS Exp         | KBUNL (JV of NTPC & BSEB)              | BHEL                           |  | Coal | U-3     | 03/2010                  | 195                | 195                    | 31.03.2015        | Mar-15                       | 18.03.2017 |
| TN           | Tuticorin TPP               | NTPL( JV of NLC & TANGEDCO)            | BHEL                           |  | Coal | U-1     | 28.01.09                 | 500                | 500                    | 10.03.2015        | Oct-14                       | 18.06.2015 |
|              |                             |                                        | BHEL                           |  | Coal | U-2     |                          | 500                |                        | Feb-15            | -                            |            |
| Tripura      | Palatana CCPP               | OTPC (JV of ILFS, ONGC & Tripura Govt) | BHEL                           |  | Gas  | BLK-2   | 23.06.08                 | 363.3              | 363.3                  | 16.11.2014        | Aug-14                       | -          |
| WB           | Raghunathpur TPP, Ph-I      | DVC                                    | Chinese                        |  | Coal | U-1     | 14.12.2007               | 600                | 600                    | 24.08.2014        | Aug-14                       | 31.03.2016 |
|              | Total Central Sector        |                                        |                                |  |      |         |                          | 2818.3             | 2318.3                 |                   |                              |            |
|              | STATE SECTOR                |                                        |                                |  |      |         |                          |                    |                        |                   |                              |            |
| AP           | Damodaram Sanjeevaiah TPP   | APPDCL                                 | Blr- BHEL<br>TG- L&T           |  | Coal | U-1     | SG:08/2008               | 800                | 800                    | 28.08.2014        | Jun-14                       | 05.02.2015 |
|              |                             |                                        |                                |  |      | U-2     | TG:09/2008               | 800                | 800                    | 17.03.2015        | Jan-15                       | 24.08.2015 |
| Chhattisgarh | Marwa TPP                   | CSPGCL                                 | BHEL                           |  | Coal | U-2     | 11.04.08                 | 500                | -                      | Slipped           | Dec-14                       | -          |
| Maharashtra  | Chandrapur TPS              | MSPGCL                                 | BHEL                           |  | Coal | U-8     | 25.07.08                 | 500                | 500                    | 29.03.2015        | Oct-14                       | 04.06.2016 |
|              | Koradi TPS Expn.            | MSPGCL                                 | L&T                            |  | Coal | U-8     | 23.09.09                 | 660                | 660                    | 30.03.2015        | Oct-14                       | 16.12.2015 |
|              | Koradi TPS Expn.            | MSPGCL                                 | L&T                            |  | Coal | U-9     |                          | 660                | -                      | Slipped           | Jan-15                       | -          |
|              | Parli TPS Expn.             | MSPGCL                                 | BHEL                           |  | Coal | U-8     | 21.01.09                 | 250                | -                      | Slipped           | Nov-14                       | -          |
| MP           | Malwa TPP (Shree Singaji)   | MPPGCL                                 | BHEL                           |  | Coal | U-2     | 12.12.08                 | 600                | 600                    | 15.10.2014        | Sep-14                       | 01.01.2015 |
| Rajasthan    | Kalisindh TPP               | RRVUNL                                 | Chinese                        |  | Coal | U-1     | 09.07.08                 | 600                | 600                    | 02.05.2014        | Jun-14                       | 01.06.2014 |
|              | Kalisindh TPP               |                                        | Chinese                        |  | Coal | U-2     |                          | 600                | -                      | Slipped           | Jan-15                       | -          |
|              | Ramgarh CCPP                |                                        | BHEL                           |  | Gas  | ST      | 18.08.09                 | 50                 | 50                     | 01.05.2014        | Jul-14                       | -          |
|              | Chhabra TPP                 |                                        | BHEL                           |  | Coal | U-4     | 20.08.08                 | 250                | 250                    | 30.06.2014        | Jun-14                       | 30.12.2014 |
| UP           | Anpara-D TPS                | UPRVUNL                                | BHEL                           |  | Coal | U- 6    | 27.10.07                 | 500                | -                      | Slipped           | Mar-15                       | -          |
|              | Total State Sector          |                                        |                                |  |      |         |                          | 6770               | 4260                   |                   |                              |            |
|              | PRIVATE SECTOR              |                                        |                                |  |      |         |                          |                    |                        |                   |                              |            |
| AP           | Painampuram TPP             | Thermal Power Tech Corp.Ltd            | Chinese                        |  | Coal | U-1     | 09/2010                  | 660                | 660                    | 07.02.2015        | Dec-14                       | 02.03.2015 |
|              | Vizag TPP                   | Hinduja National Power Corp.Ltd        | BHEL                           |  | Coal | U-1     | 03/2010                  | 520                | -                      | Slipped           | Oct-14                       | -          |
| Chhattisgarh | Swastic Korba TPP           | ACB India Ltd.                         | Blr:ISGEC India<br>TG :Siemens |  | Coal | U-1     | 29.03.10                 | 25                 | 25                     | 31.03.2015        | Nov-14                       | -          |
|              | Salora TPP                  | Vandana Vidyut Ltd                     | Chinese                        |  | Coal | U-1     | 11/2008                  | 135                | 135                    | 10.04.2014        | Sep-14                       | 01.05.2014 |
|              | Bandakhar TPP               | Maruti Clean coal                      | Chinese                        |  | Coal | U-1     | -                        | 300                | -                      | Slipped           | Jan-15                       | -          |
| Maharashtra  | Amravati TPP Ph-I           | India Bulls Power Ltd                  | BHEL                           |  | Coal | U-3     | 30.11.09                 | 270                | 270                    | 29.01.2015        | Oct-14                       | 03.02.2015 |
| Maharashtra  | Nasik TPP Ph-I              | India Bulls Realtech                   | BHEL                           |  | Coal | U-2     | 24.11.09                 | 270                | -                      | Slipped           | Jul-14                       | -          |
| Maharashtra  | Dhariwal TPP                | Dhariwal Infrastucture Ltd             | Chinese                        |  | Coal | U-2     | 28.04.10                 | 300                | 300                    | 28.05.2014        | Jun-14                       | 02.08.2014 |
| Orissa       | Derang TPP                  | JIPL                                   | BHEL                           |  | Coal | U-1     | 26.07.09                 | 600                | 600                    | 10.05.2014        | Jun-14                       | 06.06.2014 |
| Punjab       | Rajpura TPP (Nabha)         | Nabha Power Ltd                        | L&T                            |  | Coal | U-2     | 16.07.10                 | 700                | 700                    | 06.07.2014        | Jul-14                       | 01.08.2014 |
| Punjab       | Talwandi Sabo TPP           | M/s Sterlite                           | Chinese                        |  | Coal | U-1     | 18.07.09                 | 660                | 660                    | 17.06.2014        | May-14                       | 01.08.2014 |
| Punjab       | Talwandi Sabo TPP           | M/s Sterlite                           | Chinese                        |  | Coal | U-2     | 18.07.09                 | 660                | -                      | Slipped           | Sep-14                       | -          |
| WB           | Haldia TPP                  | M/s Haldia Energy Ltd.                 | Chinese                        |  | Coal | U-1     | 14.09.11                 | 300                | 300                    | 14.01.2015        | Dec-14                       | 28.01.2015 |
|              | Total Private Sector        |                                        |                                |  |      |         |                          | 5400               | 3650                   |                   |                              |            |
|              | Total target during 2014-15 |                                        |                                |  |      |         |                          | 14988.3            | 10228.3                |                   |                              |            |

| Additional Capacity Commissioned            |                             |                                 |                 |      |                   |            |                    |                        |                   |                              |            |
|---------------------------------------------|-----------------------------|---------------------------------|-----------------|------|-------------------|------------|--------------------|------------------------|-------------------|------------------------------|------------|
| State                                       | Project Name                | Impl Agency                     | Equip. Supplier | Fuel | Unit No           | LOA date   | Targeted Cap. (MW) | Actual Cap .comm. (MW) | Actual Comm. Date | At the beginning of the year | COD        |
| <b>Central Sector-</b>                      |                             |                                 |                 |      |                   |            |                    |                        |                   |                              |            |
| TN                                          | Neyveli TPS Ph-II Exp       | NLC                             | BHEL            | Coal | U-2               |            | -                  | 250                    | 24.01.2015        | -                            | 22.04.2015 |
| Tripura                                     | Agartala CCPP               | NEEPCO                          | Thermax         | gas  | ST-2              |            | -                  | 25.5                   | 22.03.2015        | -                            | -          |
| Tripura                                     | Monarchak gas power project | NEEPCO                          | BHEL            | Gas  | GT                |            | -                  | 65.4                   | 30.03.2015        | -                            | -          |
| <b>Additional Capacity - Central Sector</b> |                             |                                 |                 |      |                   |            |                    | <b>340.9</b>           |                   |                              |            |
| <b>State Sector-</b>                        |                             |                                 |                 |      |                   |            |                    |                        |                   |                              |            |
| Gujarat                                     | Dhuvaran CCPP               | GSECL                           | Siemens Germany | gas  | Unit 1            |            | -                  | 376.1                  | 21.05.2014        | -                            | -          |
| Gujarat                                     | Sikka TPP Extn              | GSECL                           | BHEL            | Coal | U-3               |            | -                  | 250                    | 28.03.2015        | -                            | 14.09.2015 |
| <b>Additional Capacity - State Sector</b>   |                             |                                 |                 |      |                   |            |                    | <b>626.1</b>           |                   |                              |            |
| <b>Private Sector-</b>                      |                             |                                 |                 |      |                   |            |                    |                        |                   |                              |            |
| Gujarat                                     | D gen CCPP                  | Torrent Power                   | Siemens Germany | gas  | Block-II          | 02.07.2010 | -                  | 400                    | 23.04.2014        | -                            | -          |
| MP                                          | Sasan UMPP                  | SPL                             | Chinese         | Coal | 4th Unit (Unit-1) |            | -                  | 660                    | 21.05.2014        | -                            | 27.05.2014 |
| MP                                          | Sasan UMPP                  | SPL                             | Chinese         | Coal | Unit-5            |            | -                  | 660                    | 24.08.2014        | -                            | 26.12.2014 |
| Chhattisgarh                                | Akaltara TPP                | KSK                             | Chinese         | Coal | Unit-2            |            | -                  | 600                    | 22.08.2014        | -                            | 26.08.2014 |
| MP                                          | Nigrie TPP                  | JPVL                            | L&T             | Coal | Unit-1            |            | -                  | 660                    | 29.08.2014        | -                            | 03.09.2014 |
| Maharashtra                                 | Tirora TPP Ph-II            | Adani Power Maharashtra Pvt Ltd | Chinese         | Coal | Unit-3            | 05.11.2009 | -                  | 660                    | 25.09.2014        | -                            | 11.10.2014 |
| TN                                          | Mutiara TPP                 | Coastal Energen                 | Chinese         | Coal | Unit-1            | 25.02.2009 | -                  | 600                    | 02.12.2014        | -                            | 23.12.2014 |
| Chhattisgarh                                | Tamnar TPP (Raigarh)        | Jindal Power                    | BHEL            | Coal | Unit-3            |            | -                  | 600                    | 07.01.2015        | -                            | 15.01.2015 |
| Orissa                                      | Derang TPP                  | JIPL                            | BHEL            | Coal | U-2               |            | -                  | 600                    | 24.01.2015        | -                            | 12.02.2015 |
| WB                                          | Haldia TPP                  | M/s Haldia Energy Ltd.          | Chinese         | Coal | U-2               |            | -                  | 300                    | 16.02.2015        | -                            | 21.02.2015 |
| MP                                          | Nigrie TPP                  | JP Ventures Ltd                 | Non-BHEL        | Coal | U-2               |            | -                  | 660                    | 17.02.2015        | -                            | 21.02.2015 |
| Chhattisgarh                                | Raikhera TPP                | GMR                             | Chinese         | Coal | U-1               |            | -                  | 685                    | 27.02.2015        | -                            | 01.06.2015 |
| Maharashtra                                 | Amravati TPP Ph-I           | India Bulls Power Ltd           | BHEL            | Coal | U-4               | 30.11.09   | -                  | 270                    | 04.03.2015        | -                            | 08.03.2015 |
| AP                                          | Simhapuri                   | Simhapuri Energy Pvt Ltd        | Chinese         | Coal | U-4               |            | -                  | 150                    | 07.03.2015        | -                            | 31.03.2015 |
| Maharashtra                                 | Amravati TPP Ph-I           | India Bulls Power Ltd           | BHEL            | Coal | U-5               | 30.11.09   | -                  | 270                    | 12.03.2015        | -                            | 13.03.2015 |
| MP                                          | Sasan UMPP                  | SPL                             | Chinese         | Coal | Unit-6            |            | -                  | 660                    | 19.03.2015        | -                            | 27.03.2015 |
| Chhattisgarh                                | DB Power TPP                | DB Power Ltd                    | BHEL            | Coal | Unit-2            |            | -                  | 600                    | 24.03.2015        | -                            | -          |
| Chhattisgarh                                | Tamnar TPP (Raigarh)        | Jindal Power                    | BHEL            | Coal | Unit-4            |            | -                  | 600                    | 26.03.2015        | -                            | -          |
| <b>Additional Capacity - Private Sector</b> |                             |                                 |                 |      |                   |            |                    | <b>9635</b>            |                   |                              |            |
| <b>Total Additional Capacity</b>            |                             |                                 |                 |      |                   |            |                    | <b>10602</b>           |                   |                              |            |
| <b>Gross Capacity - Central Sector</b>      |                             |                                 |                 |      |                   |            |                    | <b>2659.2</b>          |                   |                              |            |
| <b>Gross Capacity -State Sector</b>         |                             |                                 |                 |      |                   |            |                    | <b>4886.1</b>          |                   |                              |            |
| <b>Gross Capacity - Private Sector</b>      |                             |                                 |                 |      |                   |            |                    | <b>13285</b>           |                   |                              |            |
| <b>Gross Capacity for the year 2014-15</b>  |                             |                                 |                 |      |                   |            |                    | <b>20830.3</b>         |                   |                              |            |

### 3.4 Thermal Capacity Addition Target/ Achievement for the Year 2015-16 :

| State                        | Project Name                        | Impl Agency                          | Unit No  | BTG Supplier | Cap. (MW)     | Anti. Comm. ( beginning of the year) | Now Anti. Comm. | Cap. Add (MW) | Actual Date of Comm. | COD        |
|------------------------------|-------------------------------------|--------------------------------------|----------|--------------|---------------|--------------------------------------|-----------------|---------------|----------------------|------------|
| <b><u>CENTRAL SECTOR</u></b> |                                     |                                      |          |              |               |                                      |                 |               |                      |            |
| Assam                        | Bongaigaon TPP                      | NTPC                                 | U-1      | BHEL         | 250           | 06/2015                              | -               | 250           | 22.06.15(A)          | 01.04.2016 |
| Bihar                        | Muzafferpur                         | NTPC                                 | U-4      | BHEL         | 195           | 02/2016                              | 03/2016         | -             | -                    | -          |
| Bihar                        | Nabi Nagar TPP                      | NTPC                                 | U-1      | BHEL         | -             | -                                    | -               | 250           | 20.03.16(A)          | 15.01.2017 |
| Jharkhand                    | Bokaro TPS "A" Exp.                 | DVC                                  | U-1      | BHEL         | -             | -                                    | -               | 500           | 22.03.16(A)          | 23.02.2017 |
| Maharashtra                  | Mouda STPP-II                       | NTPC                                 | U-3      | BHEL         | -             | -                                    | -               | 660           | 28.03.16(A)          | 01.02.2017 |
| MP                           | Vindhyachal TPP-V                   | NTPC                                 | U-13     | BHEL         | 500           | 12/2015                              | -               | 500           | 06.08.15(A)          | 30.10.2015 |
| Tripura                      | Agratala STG                        | NEEPCO                               | ST-2     | Thermax      | 25.5          | 05/2015                              | 01/2016         | -             | -                    | -          |
| Tripura                      | Monarchak CCPP                      | NEEPCO                               | ST       | BHEL         | 35.6          | 08/2015                              | -               | 35.6          | 14.01.16(A)          | -          |
| TN                           | Tuticorin TPP                       | NLC                                  | U-2      | BHEL         | 500           | 07/2015                              | -               | 500           | 09.07.15(A)          | 29.08.2015 |
| WB                           | Raghunathpur TPP, Ph-I              | DVC                                  | U-2      | Chinese      | 600           | 01/2016                              | -               | 600           | 18.01.16(A)          | 31.03.2016 |
| <b>Total Central Sector</b>  |                                     |                                      |          |              | <b>2106.1</b> |                                      |                 | <b>3295.6</b> |                      |            |
| <b><u>STATE SECTOR</u></b>   |                                     |                                      |          |              |               |                                      |                 |               |                      |            |
| Chhattisgarh                 | Marwa TPP                           | CSPGCL                               | U-2      | BHEL         | 500           | 09/2015                              | 02/2016         | -             | -                    | -          |
| Gujarat                      | Sikka TPS                           | GSECL                                | U-4      | BHEL         | 250           | 12/2015                              | -               | 250           | 25.09.15(A)          | 28.12.2015 |
| Karnataka                    | Bellary TPS St-III                  | KPCL                                 | U-3      | BHEL         | 700           | 12/2015                              | 01/2016         | 700           | 01.03.16(A)          | 16.09.2017 |
| Karnataka                    | Yermarus TPP                        | KPCL                                 | U-1      | BHEL         | 800           | 01/2016                              | 02/2016         | 800           | 29.03.16(A)          | 07.03.2017 |
| Maharashtra                  | Chandrapur TPS                      | MSPGCL                               | U-9      | BHEL         | 500           | 10/2015                              | 02/2016         | 500           | 21.03.16(A)          | 24.11.2016 |
| Maharashtra                  | Koradi TPS Expn.                    | MSPGCL                               | U-9      | L&T          | 660           | 09/2015                              | 02/2016         | 660           | 15.03.16(A)          | 22.11.2016 |
| Maharashtra                  | Koradi TPS Expn.                    | MSPGCL                               | U-10     | L&T          | 660           | 02/2016                              | 05/2016         | -             | -                    | -          |
| Maharashtra                  | Parli TPS                           | MSPGCL                               | U-8      | BHEL         | 250           | 01/2016                              | 03/2016         | 250           | 30.03.16(A)          | 30.11.2016 |
| Rajasthan                    | Kalisindh TPP                       | RVUNL                                | U-2      | Chinese      | 600           | 05/2015                              | -               | 600           | 06.06.15(A)          | 25.07.2015 |
| Telangana                    | Singareni TPP                       | Singareni Collieries Co Ltd          | U-1      | BHEL         | 600           | 01/2016                              | 03/2016         | 600           | 13.03.16(A)          | 25.09.2016 |
| Telangana                    | Kakatiya TPS Extn.                  | T GENCO                              | U-1      | BHEL         | 600           | 12/2015                              | 12/2015         | 600           | 31.12.15(A)          | 24.03.2016 |
| UP                           | Anpara-D TPS                        | UPRVUNL                              | U- 6     | BHEL         | 500           | 06/2015                              | -               | 500           | 06.06.15(A)          | 08.05.2016 |
| UP                           | Anpara-D TPS                        | UPRVUNL                              | U- 7     | BHEL         | 500           | 12/2015                              | 02/2016         | 500           | 06.03.16(A)          | 18.10.2016 |
| WB                           | Sagardighi TPS-Extn                 | West Bengal                          | U-3      | BHEL         | 500           | 09/2015                              | 12/2015         | 500           | 14.12.15(A)          | -          |
| WB                           | Sagardighi TPS-Extn                 | West Bengal                          | U-4      | BHEL         | 500           | 01/2016                              | 06/2016         | -             | -                    | -          |
| <b>Total State Sector</b>    |                                     |                                      |          |              | <b>8120</b>   |                                      |                 | <b>6460</b>   |                      |            |
| <b><u>PRIVATE SECTOR</u></b> |                                     |                                      |          |              |               |                                      |                 |               |                      |            |
| AP                           | Painampuram TPP                     | Thermal Power Tech Corporation Ltd   | U-2      | Chinese      | 660           | 08/2015                              | -               | 660           | 03.09.15(A)          | 15.09.2015 |
| AP                           | Vizag TPP                           | Hinduja National Power Corp. Ltd     | U-1      | BHEL         | 520           | 10/2015                              | 02/2015         | 520           | 27.12.15(A)          | 11.01.2016 |
| AP                           | Lanco Kondapalli Extn. Ph-III ( PS) | Lanco Kondapalli Power Co.Ltd        | Block-I  | Others       | -             | -                                    | -               | 371           | 07.08.15(A)          | -          |
| AP                           | Lanco Kondapalli Extn. Ph-III (PS)  | Lanco Kondapalli Power Co.Ltd        | Block-II | Others       | -             | -                                    | -               | 371           | 05.09.15(A)          | -          |
| AP                           | Vemagiri CCPP-II (PS)               | GMR Rajahmundry Energy Ltd.          | Block-I  | Others       | -             | -                                    | -               | 384           | 12.09.15(A)          | -          |
| AP                           | Vemagiri CCPP-II (PS)               | GMR Rajahmundry Energy Ltd.          | Block-II | Others       | -             | -                                    | -               | 384           | 05.10.15(A)          | -          |
| AP                           | Vizag TPP                           | Hinduja National Power Corp. Ltd     | U-2      | BHEL         | -             | -                                    | -               | 520           | 30.03.16(A)          | 03.07.2016 |
| Chhattisgarh                 | Bandakhar TPP                       | M/s Maruti Clean (Chhattisgarh) Ltd. | U-1      | Chinese      | 300           | 06/2015                              | -               | 300           | 19.06.15(A)          | -          |
| Chhattisgarh                 | Uchpinda TPP                        | RKM Powergen Pvt. Ltd                | U-1      | Chinese      | 360           | 06/2015                              | -               | 360           | 28.10.15(A)          | 27.11.2015 |
| Chhattisgarh                 | Uchpinda TPP                        | RKM Powergen Pvt. Ltd                | U-2      | Chinese      | -             | -                                    | -               | 360           | 28.01.16(A)          | 12.02.2016 |
| Chhattisgarh                 | BALCO TPP                           | BALCO Pvt Ltd                        | U-1      | Chinese      | 300           | 06/2015                              | -               | 300           | 05.06.15(A)          | 11.07.2015 |
| Chhattisgarh                 | BALCO TPP                           | BALCO Pvt Ltd                        | U-2      | Chinese      | 300           | 09/2015                              | 02/2016         | 300           | 24.03.16(A)          | 30.03.2016 |

| State                             | Project Name            | Impl Agency                                       | Unit No | BTG Supplier      | Cap. (MW)      | Anti. Comm.<br>( beginning<br>of the year) | Now Anti.<br>Comm. | Cap. Add<br>(MW) | Actual Date<br>of Comm. | COD        |
|-----------------------------------|-------------------------|---------------------------------------------------|---------|-------------------|----------------|--------------------------------------------|--------------------|------------------|-------------------------|------------|
| Chhattisgarh                      | Raikheda TPP            | GMR                                               | U-2     | Doosan (Non-BHEL) | 685            | 12/2015                                    | 02/2016            | 685              | 28.03.16(A)             |            |
| Chhattisgarh                      | Salora                  | Vandana Vidyut                                    | U-2     | Chinese           | 135            | 09/2015                                    | 2016-17            | -                | -                       | -          |
| Maharashtra                       | Nasik TPP Ph-I          | Ratan India (Nasik) Power Ltd                     | U-2     | BHEL              | 270            | 01/2016                                    | 03/2016            | -                | -                       | -          |
| MP                                | Anuppur TPP Ph-I        | MB Power(MP)                                      | U-1     | Chinese           | 600            | 06/2015                                    | -                  | 600              | 20.04.15(A)             | 20.05.2015 |
| M.P                               | Seioni TPP Ph-I         | Jhabua Power Ltd                                  | U-1     | BHEL              | -              | -                                          | -                  | 600              | 22.03.16(A)             | 03.05.2016 |
| MP                                | Anuppur TPP Ph-I        | MB Power(MP)                                      | U-2     | Chinese           | -              | -                                          | -                  | 600              | 30.03.16(A)             | 07.04.2016 |
| Orissa                            | Ind Bharat TPP (Orissa) | Ind Barath                                        | U-1     | Chinese           | 350            | 10/2015                                    | 01/2016            | 350              | 25.02.16(A)             | 20.07.2016 |
| Punjab                            | Talwandi Sabo TPP       | Talwandi Sabo Power Ltd                           | U-2     | Chinese           | 660            | 06/2015                                    |                    | 660              | 30.10.15(A)             | 25.11.2015 |
| Punjab                            | Talwandi Sabo TPP       | Talwandi Sabo Power Ltd                           | U-3     | Chinese           | 660            | 12/2015                                    | 03/2016            | 660              | 29.03.16(A)             | 25.08.2016 |
| Punjab                            | Goindwal Sahib TPP      | GVK Power                                         | U-1     | BHEL              | -              | -                                          | -                  | 270              | 14.02.16(A)             | 06.04.2016 |
| Punjab                            | Goindwal Sahib TPP      | GVK Power                                         | U-2     | BHEL              | -              | -                                          | -                  | 270              | 15.03.16(A)             | 16.04.2016 |
| TN                                | ITPCL TPP               | IL&FS TN PC.Ltd                                   | U-1     | Chinese           | -              | -                                          | -                  | 600              | 19.09.2015              | 29.09.2015 |
| TN                                | Melamaruthur (Mutiar)   | Coastal Energen                                   | U-2     | Chinese           | -              | -                                          | -                  | 600              | 02.01.16(A)             | 15.01.2016 |
| UP                                | Lalitpur TPP            | Lalitpur power Generation Co. Ltd                 | U-1     | BHEL              | 660            | -                                          | -                  | 660              | 26.03.16(A)             | 01.10.2015 |
| UP                                | Lalitpur TPP            | Lalitpur power Generation Co. Ltd                 | U-2     | BHEL              | -              | 09/2015                                    | -                  | 660              | 08.01.16(A)             | 14.10.2016 |
| UP                                | Prayagraj (Bara ) TPP   | Prayagraj power Gen. Co. Ltd( J.P.Power Ventures) | U-1     | BHEL              | 660            | 10/2015                                    | -                  | 660              | 25.12.15(A)             | 29.02.2016 |
| <b>Total Private Sector</b>       |                         |                                                   |         |                   | <b>7120</b>    |                                            |                    | <b>12705</b>     |                         |            |
| <b>Total for the year 2015-16</b> |                         |                                                   |         |                   | <b>17346.1</b> |                                            |                    | <b>22460.6</b>   |                         |            |

### 3.5 Thermal Capacity Addition Target/ Achievement for the Year 2016-17 :

| State                       | Project                            | Unit | Imp Agency          | BTG Supplier | Capacity (MW) | Anticipated Commng. Schedule | Actual date of comm. | Capacity Achieved | COD        |
|-----------------------------|------------------------------------|------|---------------------|--------------|---------------|------------------------------|----------------------|-------------------|------------|
| <b>CENTRAL SECTOR</b>       |                                    |      |                     |              |               |                              |                      |                   |            |
| Bihar                       | Nabinagar TPP                      | U-2  | NTPC                | BHEL         | 250           | 12-2016                      | -                    | -                 | -          |
| Bihar                       | Kanti TPS St-II                    | U-4  | NTPC                | BHEL         | 195           | 09-2016                      | 24.03.2017           | 195.0             | 01.07.2017 |
| Chhattisgarh                | Lara STPP                          | U-1  | NTPC                | NON BHEL     | 800           | 01-2017                      | -                    | -                 | -          |
| Karnataka                   | Kudgi TPP                          | U-1  | NTPC                | NON BHEL     | 800           | 11-2016                      | 25.12.2016           | 800.0             | 31.07.2017 |
| Maharashtra                 | Mauda STPP-II                      | U-4  | NTPC                | BHEL         | 660           | 12-2016                      | 18.03.2017           | 660.0             | 18.09.2017 |
| Tripura                     | Agartala Gas Based Power Project   | ST-1 | NEEPCO              | NON BHEL     | 25.5          | 06-2016                      | 23.08.2016           | 25.5              | -          |
| <b>Total Central Sector</b> |                                    |      |                     |              | <b>2730.5</b> |                              |                      | <b>1680.5</b>     |            |
| <b>STATE SECTOR</b>         |                                    |      |                     |              |               |                              |                      |                   |            |
| Assam                       | Namrup CCGT                        | GT   | APGCL               | BHEL         | 70            | 09-2016                      | 11.01.2017           | 62.25             | -          |
| Assam                       | Namrup CCGT                        | ST   | APGCL               | BHEL         | 30            | 09-2016                      | -                    | -                 | -          |
| Bihar                       | Barauni TPP,                       | U-8  | BSEB                | BHEL         | 250           | 12-2016                      | -                    | -                 | -          |
| Chhattisgarh                | Marwa TPS                          | U-2  | CSPGCL              | BHEL         | 500           | 06-2016                      | 15.07.2016           | 500.0             | 31.07.2016 |
| Gujarat                     | Bhavnagar TPP                      | U-1  | BECL                | BHEL         | 250           | 06-2016                      | 16.05.2016           | 250.0             | -          |
| Gujarat                     | Bhavnagar TPP                      | U-2  | BECL                | BHEL         | 250           | 08-2016                      | 27.03.2017           | 250.0             | -          |
| Karnataka                   | Yermarus TPP                       | U-2  | KPCL                | BHEL         | 800           | 07-2016                      | 29.03.2017           | 800.0             | 06.04.2017 |
| Maharashtra                 | Koradi TPP                         | U-10 | MSPGCL              | NON BHEL     | 660           | 08-2016                      | 28.12.2016           | 660.0             | 17.01.2017 |
| Telangana                   | Singreni TPP                       | U-2  | SCCL                | BHEL         | 600           | 06-2016                      | 25.11.2016           | 600.0             | 02.12.2016 |
| West Bengal                 | Sagardighi TPS-II                  | U-4  | WBPDCL              | BHEL         | 500           | 09-2016                      | 15.12.2016           | 500.0             | -          |
| <b>Total State Sector</b>   |                                    |      |                     |              | <b>3910</b>   |                              |                      | <b>3622.25</b>    |            |
| <b>PRIVATE SECTOR</b>       |                                    |      |                     |              |               |                              |                      |                   |            |
| Andhra Pradesh              | Sembcorp Gayatri Pvt.ltd.(NCC TPP) | U-1  | SGPL                | NON BHEL     | 660           | 09-2016                      | 12.11.2016           | 660.0             | 17.11.2016 |
| Andhra Pradesh              | Sembcorp Gayatri Pvt.ltd.(NCC TPP) | U-2  | SGPL                | NON BHEL     | 660           | 12-2016                      | 15.02.2017           | 660.0             | 21.02.2017 |
| Chhattisgarh                | Nawapara TPP                       | U-1  | TRN                 | CHINESE      | 300           | 05-2016                      | 14.08.2016           | 300.0             | 19.08.2016 |
| Chhattisgarh                | Nawapara TPP                       | U-2  | TRN                 | CHINESE      | 300           | 11-2016                      | -                    | -                 | -          |
| Chhattisgarh                | Ucchpinda TPP                      | U-3  | RKM                 | CHINESE      | 360           | 07-2016                      | -                    | -                 | -          |
| Chhattisgarh                | Binjkote TPP                       | U-1  | SKS                 | NON BHEL     | 300           | 11-2016                      | -                    | -                 | -          |
| Chhattisgarh                | Athena Singhitarai TPP             | U-1  | Athena Chhattisgarh | NON BHEL     | 600           | 10-2016                      | -                    | -                 | -          |
| Maharashtra                 | Nashik TPP, Ph-I                   | U-2  | Rattan Power        | BHEL         | 270           | 06-2016                      | 15.02.2017           | 270.0             | -          |
| Maharashtra                 | Nashik TPP, Ph-I                   | U-3  | Rattan Power        | BHEL         | 270           | 12-2016                      | -                    | -                 | -          |
| Orissa                      | Utkal TPP                          | U-2  | Ind Barath          | NON BHEL     | 350           | 07-2016                      | -                    | -                 | -          |
| Orissa                      | Lanco Babandh TPP                  | U-1  | Lanco Babandh       | NON BHEL     | 660           | 02-2017                      | -                    | -                 | -          |
| Tamilnadu                   | ITPCL TPP                          | U-2  | ILFS                | NON BHEL     | 600           | 05-2016                      | 18.04.2016           | 600.0             | 30.04.2016 |
| Uttar                       | Bara TPP                           | U-2  | Jaypee              | BHEL         | 660           | 07-2016                      | 06.09.2016           | 660.0             | 10.09.2016 |

| State                                                  | Project            | Unit                | Imp Agency               | BTG Supplier | Capacity (MW)  | Anticipated Commng. Schedule | Actual date of comm. | Capacity Achieved | COD        |
|--------------------------------------------------------|--------------------|---------------------|--------------------------|--------------|----------------|------------------------------|----------------------|-------------------|------------|
| pradesh                                                |                    |                     |                          |              |                |                              |                      |                   |            |
| Uttar pradesh                                          | Lalitpur TPP       | U-3                 | LPGL                     | BHEL         | 660            | 04-2016                      | 01.04.2016           | 660.0             | 23.12.2016 |
| West Bengal                                            | Haldia TPP         | U-1                 | India Power              | BHEL         | 150            | 07-2016                      | -                    | -                 | -          |
| <b>Total Private Sector</b>                            |                    |                     |                          |              | <b>6800</b>    |                              |                      | <b>3810.0</b>     |            |
| <b>Total Thermal for the year 2016-17</b>              |                    |                     |                          |              | <b>13440.5</b> |                              |                      | <b>9112.75</b>    |            |
| <b>ADDITIONAL PROJECTS COMMISSIONED IN RFD 2016-17</b> |                    |                     |                          |              |                |                              |                      |                   |            |
| <b>CENTRAL SECTOR</b>                                  |                    |                     |                          |              |                |                              |                      |                   |            |
| Assam                                                  | Bongaigaon TPP     | U-2                 | NTPC                     | BHEL         | -              | -                            | 22.03.2017           | 250.0             | 01.11.2017 |
| Karnataka                                              | Kudgi TPP          | U-2                 | NTPC                     | NON BHEL     | -              | -                            | 23.03.2017           | 800.0             | 31.12.2017 |
| Uttar Pradesh                                          | Unchahar TPS ST-IV | U-6                 | NTPC                     | BHEL         | -              | -                            | 31.03.2017           | 500.0             | -          |
| <b>Additional Capacity - Central Sector</b>            |                    |                     |                          |              |                |                              |                      | <b>1550.0</b>     |            |
| <b>PRIVATE SECTOR</b>                                  |                    |                     |                          |              |                |                              |                      |                   |            |
| Chhattisgarh                                           | Ratija TPP -II     | U-2                 | Spectrum Coal&Power Ltd  | Non-BHEL     | -              | -                            | 10.11.2016           | 50.0              | -          |
| Uttrakhand                                             | GAMA CCPP          | Module-1 (GT1&2+ST) | M/s GAMA Infraprop Ltd.  | Others       | -              | -                            | 25.04.2016           | 225.0             | -          |
| Uttrakhand                                             | Kashipur CCPP      | Blk-I               | Srawanthi Energy Pvt.Ltd | Others       | -              | -                            | 20.11.2016           | 225.0             | -          |
| Maharashtra                                            | Mangaon CCPP       | Block-I             | M/s PGPL                 | Others       | -              | -                            | 14.07.2016           | 388.0             | -          |
| <b>Additional capacity - Private Sector</b>            |                    |                     |                          |              |                |                              |                      | <b>888.0</b>      |            |
| <b>Total Additional Capacity</b>                       |                    |                     |                          |              |                |                              |                      | <b>2438.0</b>     |            |
| <b>Gross Capacity - Central Sector</b>                 |                    |                     |                          |              |                |                              |                      | <b>3230.5</b>     |            |
| <b>Gross Capacity - State Sector</b>                   |                    |                     |                          |              |                |                              |                      | <b>3622.25</b>    |            |
| <b>Gross Capacity - Private Sector</b>                 |                    |                     |                          |              |                |                              |                      | <b>4698.0</b>     |            |
| <b>Grand Total for the year 2016-17</b>                |                    |                     |                          |              | <b>13440.5</b> |                              |                      | <b>11550.75</b>   |            |

### 3.6. Thermal Capacity Addition Target/ Achievement for the Year 2017-18 :

| State                | Project Name              | Impl Agency                              | Equipment Supplier | Unit No. | Targeted Cap. (MW) | Anti. Comm Date at beginning of year | Anti. Comm Date (At present) | Actual Date of Comm | Capacity Achieved (MW) | COD        |
|----------------------|---------------------------|------------------------------------------|--------------------|----------|--------------------|--------------------------------------|------------------------------|---------------------|------------------------|------------|
| CENTRAL SECTOR       |                           |                                          |                    |          |                    |                                      |                              |                     |                        |            |
| Assam                | Bongaigaon TPP            | NTPC                                     | BHEL               | 3        | 250                | Dec-17                               | Apr-18                       | -                   | -                      | -          |
| Bihar                | Nabi Nagar TPP            | JV of NTPC & Rly                         | BHEL               | 2        | 250                | Apr-17                               | -                            | 03.04.2017          | 250.00                 | 10.09.2017 |
| Bihar                | New Nabi Nagar TPP        | JV of NTPC & BSPGCL                      | NON BHEL           | 1        | 660                | Aug-17                               | Mar-18                       | -                   | -                      | -          |
| Chhattisgarh         | Lara TPP                  | NTPC                                     | NON BHEL           | 1        | 800                | Oct-17                               | -                            | 23.03.2018          | 800.00                 | -          |
| Karnataka            | Kudgi STPP Ph-I           | NTPC                                     | NON BHEL           | 3        | 800                | Aug-17                               | -                            | 12.03.2018          | 800.00                 | -          |
| MP                   | Gadarwara STPP,St-I       | NTPC                                     | BHEL               | 1        | 800                | Jan-18                               | Mar-18                       | -                   | -                      | -          |
| Maharashtra          | Solapur STPP              | NTPC                                     | NON BHEL           | 1        | 660                | Apr-17                               | -                            | 07.04.2017          | 660.00                 | 25.09.2017 |
| UP                   | Meja STPP                 | JV of NTPC & UPRVUNL                     | NON BHEL           | 1        | 660                | Oct-17                               | -                            | 31.03.2018          | 660.00                 | -          |
| TOTAL CENTRAL SECTOR |                           |                                          |                    |          | 4880               |                                      |                              |                     | 3170.00                |            |
| STATE SECTOR         |                           |                                          |                    |          |                    |                                      |                              |                     |                        |            |
| AP                   | Rayal seema TPP           | APGENCO                                  | BHEL               | 6        | 600                | Aug-17                               | -                            | 12.03.2018          | 600.00                 | 29.03.2018 |
| Assam                | Namrup                    | APGCL                                    | BHEL               | ST       | 36.15              | Feb-18                               | Mar-18                       | -                   | -                      | -          |
| MP                   | Shree Singaji TPP, St-II  | MPPGCL                                   | NON BHEL           | 3        | 660                | Dec-17                               | Jun-18                       | -                   | -                      | -          |
| Rajasthan            | Suratgarh TPS             | RRVUNL                                   | BHEL               | 7        | 660                | Nov-17                               | Feb-18                       | -                   | -                      | -          |
| Rajasthan            | Chhabra SCTPP             | RRVUNL                                   | L&T & MHI          | 5        | 660                | Apr-17                               | -                            | 04.04.2017          | 660.00                 | -          |
| Rajasthan            | Chhabra SCTPP             | RRVUNL                                   | L&T & MHI          | 6        | 660                | Jan-18                               | Feb-18                       | -                   | -                      | -          |
| Telangana            | Bhadradi TPP              | TGENCO                                   | BHEL               | 1        | 270                | Mar-18                               | May-19                       | -                   | -                      | -          |
| TOTAL STATE SECTOR   |                           |                                          |                    |          | 3546.15            |                                      |                              |                     | 1260.00                |            |
| PRIVATE SECTOR       |                           |                                          |                    |          |                    |                                      |                              |                     |                        |            |
| Chhattisgarh         | Akaltara (Naiyara) TPP    | KSK Mahandi Power Company Ltd            | CHINESE            | 3        | 600                | Nov-17                               | -                            | 18.01.2018          | 600.00                 | 28.02.2018 |
| Chhattisgarh         | Binjote TPP               | SKS Power Generation ( Chhattisgarh) Ltd | CHINESE            | 1        | 300                | May-17                               | -                            | 25.04.2017          | 300.00                 | -          |
| Chhattisgarh         | Nawapara TPP              | TRN Energy                               | CHINESE            | 2        | 300                | May-17                               | -                            | 18.04.2017          | 300.00                 | 01.05.2017 |
| Chhattisgarh         | Lanco Amarkantak TPS-II   | LAP Pvt. Ltd.                            | CHINESE            | 3        | 660                | Nov-17                               | Mar-18                       | -                   | -                      | -          |
| Maharashtra          | Nasik TPP Ph-I            | RattanIndia Nasik Power Ltd              | BHEL               | 3        | 270                | May-17                               | -                            | 14.04.2017          | 270.00                 | -          |
| UP                   | Bara TPP                  | Prayagraj Power Generation Co.Ltd.       | BHEL               | 3        | 660                | Aug-17                               | -                            | 22.05.2017          | 660.00                 | 26.05.2017 |
| WB                   | India Power TPP ( Haldia) | Indian Energy Ltd ( Haldia)              | BHEL               | 1        | 150                | Apr-17                               | -                            | 07.06.2017          | 150.00                 | -          |
| TOTAL PRIVATE SECTOR |                           |                                          |                    |          | 2940               |                                      |                              |                     | 2280.00                |            |

| ADDITIONAL PROJECTS COMMISSIONED        |                           |                                          |                    |          |                    |                                      |                              |                     |                        |     |
|-----------------------------------------|---------------------------|------------------------------------------|--------------------|----------|--------------------|--------------------------------------|------------------------------|---------------------|------------------------|-----|
| State                                   | Project Name              | Impl Agency                              | Equipment Supplier | Unit No. | Targeted Cap. (MW) | Anti. Comm Date at beginning of year | Anti. Comm Date (At present) | Actual Date of Comm | Capacity Achieved (MW) | COD |
| <b>PRIVATE SECTOR</b>                   |                           |                                          |                    |          |                    |                                      |                              |                     |                        |     |
| Maharashtra                             | Nasik TPP Ph-I            | RattanIndia Nasik Power Ltd              | BHEL               | 4        | -                  | -                                    | -                            | 19.05.2017          | 270.00                 | -   |
| Maharashtra                             | Nasik TPP Ph-I            | RattanIndia Nasik Power Ltd              | BHEL               | 5        | -                  | -                                    | -                            | 30.05.2017          | 270.00                 | -   |
| Chhattisgarh                            | Uchpinda TPP              | RKM Powergen Pvt.Ltd.                    | Chinese            | 3        | -                  | -                                    | -                            | 12.09.2017          | 360.00                 | -   |
| Maharashtra                             | Shirpur TPP               | Shirpur Power Pvt. Ltd.                  | BHEL               | 1        | -                  | -                                    | -                            | 28.09.2017          | 150.00                 | -   |
| WB                                      | India Power TPP ( Haldia) | Indian Energy Ltd ( Haldia)              | BHEL               | 2        | -                  | -                                    | -                            | 31.12.2017*         | 150.00                 | -   |
| Bihar                                   | Barauni Ext.              | BSEB                                     | BHEL               | 8        | -                  | -                                    | -                            | 11.01.2018          | 250.00                 | -   |
| Chhattisgarh                            | Binjkote TPP              | SKS Power Generation ( Chhattisgarh) Ltd | CHINESE            | 2        | -                  | -                                    | -                            | 28.03.2018          | 300.00                 | -   |
| Bihar                                   | Barauni Ext.              | BSEB                                     | BHEL               | 9        | -                  | -                                    | -                            | 31.03.2018          | 250.00                 | -   |
| <b>ADDITIONAL PRIVATE SECTOR</b>        |                           |                                          |                    |          |                    |                                      |                              |                     | <b>2000.00</b>         |     |
| <b>GROSS PRIVATE SECTOR</b>             |                           |                                          |                    |          |                    |                                      |                              |                     | <b>4280.0</b>          |     |
| <b>Grand Total for the year 2017-18</b> |                           |                                          |                    |          | <b>11366.15</b>    |                                      |                              |                     | <b>8710.00</b>         |     |

### 3.7. Thermal Capacity Addition Target/ Achievement for the Year 2018-19 :

| State                                                                                                                                                                                         | Project Name                     | Impl Agency      | Equipment Supplier  | Unit No. | Targeted Cap. (MW) | Anti. Comm Date at beginning of year | Anti. Comm Date (At present) | Actual Date of Comm | Capacity Achieved (MW) | COD |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------|---------------------|----------|--------------------|--------------------------------------|------------------------------|---------------------|------------------------|-----|
| <b>CENTRAL SECTOR</b>                                                                                                                                                                         |                                  |                  |                     |          |                    |                                      |                              |                     |                        |     |
| Assam                                                                                                                                                                                         | Bongaigaon TPP                   | NTPC             | BHEL                | 3        | 250                | Sept - 18                            | -                            | 26.03.2019          | 250                    | -   |
| Bihar                                                                                                                                                                                         | Nabi Nagar TPP                   | JV of NTPC & Rly | BHEL                | 3        | 250                | Dec - 18                             | -                            | 26.02.2019          | 250                    | -   |
| Bihar                                                                                                                                                                                         | New Nabi Nagar TPP               | NTPC             | Alstom-Bharat Forge | 1        | 660                | Jan - 19                             | Jun - 19                     | -                   | -                      | -   |
| MP                                                                                                                                                                                            | Gadarwara TPP                    | NTPC             | BHEL                | 1        | 800                | Nov - 18                             |                              | 29.03.2019          | 800                    | -   |
| Odisha                                                                                                                                                                                        | Darlipalli STPP                  | NTPC             |                     | 1        | 800                | Mar - 19                             | Sept - 19                    | -                   | -                      | -   |
| <b>Total Central Sector</b>                                                                                                                                                                   |                                  |                  |                     |          | <b>2760</b>        |                                      |                              |                     | <b>1300</b>            |     |
| <b>STATE SECTOR</b>                                                                                                                                                                           |                                  |                  |                     |          |                    |                                      |                              |                     |                        |     |
| Assam                                                                                                                                                                                         | Namrup CCGT                      | APGCL            | BHEL                | ST       | 36.15              | Feb - 19                             | Sept - 19                    | -                   | -                      | -   |
| MP                                                                                                                                                                                            | Shri Singhaji TPP St-II          | MPPGCL           | L&T                 | 3        | 660                | Sept - 18                            | -                            | 18.11.2018          | 660                    | -   |
| MP                                                                                                                                                                                            | Shri Singhaji TPP St-II          | MPPGCL           | L&T                 | 4        | 660                | Feb - 19                             | -                            | 27.03.2019          | 660                    | -   |
| Odisha                                                                                                                                                                                        | Ib valley TPP                    | OPGC             | BHEL                | 3        | 660                | Mar - 19                             | Jun - 19                     | -                   | -                      | -   |
| Rajasthan                                                                                                                                                                                     | Chhabra TPP Extn                 | RRVUNL           | L&T                 | 6        | 660                | Dec - 18                             | -                            | 29.03.2019          | 660                    | -   |
| Rajasthan                                                                                                                                                                                     | Suratgarh SCTPP                  | RRVUNL           | BHEL                | 7        | 660                | Dec - 18                             | Aug - 19                     | -                   | -                      | -   |
| Karnataka                                                                                                                                                                                     | Yelahanka CCPP                   | KPCL             | BHEL                | GT+ST    | 370                | Oct - 18                             | Aug - 19                     | -                   | -                      | -   |
| Telangana                                                                                                                                                                                     | Kothagudem TPS St-VII            | TSGENCO          | BHEL                | 1        | 800                | Dec - 18                             | -                            | 26.12.2019          | 800                    | -   |
| <b>Total State Sector</b>                                                                                                                                                                     |                                  |                  |                     |          | <b>4506.15</b>     |                                      |                              |                     | <b>2780</b>            |     |
| <b>PRIVATE SECTOR</b>                                                                                                                                                                         |                                  |                  |                     |          | <b>0</b>           |                                      |                              |                     | <b>0</b>               |     |
| <b>TOTAL THERMAL CAPACITY ADDITION</b>                                                                                                                                                        |                                  |                  |                     |          | <b>7266.15</b>     |                                      |                              |                     | <b>4080</b>            |     |
| <b>ADDITIONAL PROJECTS</b>                                                                                                                                                                    |                                  |                  |                     |          |                    |                                      |                              |                     |                        |     |
| <b>CENTRAL SECTOR</b>                                                                                                                                                                         |                                  |                  |                     |          |                    |                                      |                              |                     |                        |     |
| Maharashtra                                                                                                                                                                                   | Solapur STPP                     | NTPC             | BGR                 | 2        | -                  | -                                    | -                            | 29.03.2019          | 660                    | -   |
| <b>Total Central Sector</b>                                                                                                                                                                   |                                  |                  |                     |          |                    |                                      |                              |                     | <b>660</b>             |     |
| <b>STATE SECTOR</b>                                                                                                                                                                           |                                  |                  |                     |          |                    |                                      |                              |                     |                        |     |
| Assam                                                                                                                                                                                         | Lakwa Replacement Power Project. | APGCL            | Others              | 1 to 7   | -                  | -                                    | -                            | 26.04.2018          | 69.755                 | -   |
| <b>Total State Sector</b>                                                                                                                                                                     |                                  |                  |                     |          |                    |                                      |                              |                     | <b>69.755</b>          |     |
| <b>PRIVATE SECTOR</b>                                                                                                                                                                         |                                  |                  |                     |          |                    |                                      |                              |                     |                        |     |
| MP                                                                                                                                                                                            | Mahan TPP                        | ESSAR            | Chinees             | 2        | -                  | -                                    | -                            | 07.10.2018          | 600                    | -   |
| Chhattisgarh                                                                                                                                                                                  | Uchpinda TPP                     | R K M POWERGEN   | Chinees             | 4        | -                  | -                                    | -                            | 20.03.2019          | 360                    | -   |
| WB                                                                                                                                                                                            | Dishergarh TPS                   | IPCL             | Others              | -        | -                  | -                                    | -                            | 27.03.2019          | 12                     | -   |
| <b>Total Private Sector</b>                                                                                                                                                                   |                                  |                  |                     |          |                    |                                      |                              |                     | <b>972</b>             |     |
| <b>Total Additional Capacity</b>                                                                                                                                                              |                                  |                  |                     |          |                    |                                      |                              |                     | <b>1701.755</b>        |     |
| <b>TOTAL GRAND THERMAL CAPACITY ADDITION</b>                                                                                                                                                  |                                  |                  |                     |          | <b>7266.15</b>     |                                      |                              |                     | <b>5781.755</b>        |     |
| Remarks: 1. Lakwa Replacement Power Project (69.755 MW) had achieved COD on 26.04.18 but the intimation regarding COD was received in Oct'18.<br>2. Mahan TPP (600MW) was a stressed project. |                                  |                  |                     |          |                    |                                      |                              |                     |                        |     |

### 3.8. Thermal Capacity Addition Target/ Achievement for the Year 2019-20 :

| State                                    | Project Name                  | Impl Agency         | Equipment Supplier | Unit No. | Targeted Cap. (MW) | Anti. Comm Date at beginning of year | Anti. Comm Date (At present) | Actual Date of Capacity addition | Capacity Achieved (MW) | COD |
|------------------------------------------|-------------------------------|---------------------|--------------------|----------|--------------------|--------------------------------------|------------------------------|----------------------------------|------------------------|-----|
| <b>CENTRAL SECTOR</b>                    |                               |                     |                    |          |                    |                                      |                              |                                  |                        |     |
| Bihar                                    | New Nabi Nagar TPP            | JV of NTPC & BSPGCL | NON BHEL           | 1        | 660                | May-19                               | -                            | 12.07.2019                       | 660.00                 |     |
| Chhatisgarh                              | Lara STPP                     | NTPC                | BHEL               | 2        | 800                | Dec-19                               | Slipped                      |                                  |                        |     |
| MP                                       | Gadarwara STPP, St-I          | NTPC                | BHEL               | 2        | 800                | Dec-19                               | Slipped                      |                                  |                        |     |
| MP                                       | Khargone STPP                 | NTPC                | BHEL               | 1        | 660                | Aug-19                               |                              | 29.09.2019                       | 660.00                 |     |
| MP                                       | Khargone STPP                 | NTPC                | BHEL               | 2        | 660                | Feb-20                               |                              | 24.03.2020                       | 660.00                 |     |
| Odisha                                   | Darlipali STPP                | NTPC                | BHEL               | 1        | 800                | Aug-19                               |                              | 30.12.2019                       | 800.00                 |     |
| U.P.                                     | Tanda TPP Stage - II          | NTPC                | L&T & MHI          | 1        | 660                | Sep-19                               |                              | 28.09.2020                       | 660.00                 |     |
| Tamil Nadu                               | Neyveli New TPP               | NLC                 | BHEL               | 1        | 500                | Apr-19                               |                              | 21.12.2019                       | 500.00                 |     |
| Tamil Nadu                               | Neyveli New TPP               | NLC                 | BHEL               | 2        | 500                | Oct-19                               | Slipped                      |                                  |                        |     |
| <b>TOTAL CENTRAL SECTOR</b>              |                               |                     |                    |          | <b>6040</b>        |                                      |                              |                                  | <b>3940.00</b>         |     |
| <b>STATE SECTOR</b>                      |                               |                     |                    |          |                    |                                      |                              |                                  |                        |     |
| Andhra Pradesh                           | Dr.Narla Tata Rao TPS Stage-V | APGENCO             | BHEL               | 8        | 800                | Feb – 20                             | Slipped                      |                                  |                        |     |
| Assam                                    | Namrup CCGT                   | APGCL               | BHEL               | ST       | 36.15              | Nov-19                               | Slipped                      |                                  |                        |     |
| Gujarat                                  | Wanakbori TPS Extn.           | GSECL               | BHEL               |          | 800                | Nov-19                               |                              | 12.10.2019                       | 800.00                 |     |
| Karnataka                                | Yelahanka CCPP                | KPCL                | BHEL               | GT+ST    | 370                | Nov - 19                             | Slipped                      |                                  |                        |     |
| Odisha                                   | Ib valley TPP                 | OPGC                | BHEL               | 3        | 660                | Apr – 19                             |                              | 01.07.2019                       | 660.00                 |     |
| Odisha                                   | Ib valley TPP                 | OPGC                | BHEL               | 4        | 660                | Jul - 19                             |                              | 17.08.2019                       | 660.00                 |     |
| Rajasthan                                | Suratgarh SCTPP               | RRVUNL              | L&T & MHI          | 7        | 660                | Nov -19                              |                              | 15.03.2020                       | 660.00                 |     |
| Telangana                                | Bhadradi TPP                  | TGENCO              | BHEL               | 1        | 270800             | Jan - 20                             | Slipped                      |                                  |                        |     |
| <b>TOTAL STATE SECTOR</b>                |                               |                     |                    |          | <b>4256.15</b>     |                                      |                              |                                  | <b>2780.00</b>         |     |
| <b>ADDITIONAL PROJECTS COMMISSIONED</b>  |                               |                     |                    |          |                    |                                      |                              |                                  |                        |     |
| <b>Private Sector</b>                    |                               |                     |                    |          |                    |                                      |                              |                                  |                        |     |
| MP                                       | Niwari TPP                    | BLA Power Ltd       | Chinese            | 2        |                    |                                      |                              | 06.06.20219                      | 45.00                  |     |
| <b>TOTAL ADDITIONAL PRIVATE SECTOR</b>   |                               |                     |                    |          |                    |                                      |                              |                                  | <b>45.00</b>           |     |
| <b>TOTAL THERMAL CAPACITY in 2019-20</b> |                               |                     |                    |          | <b>10296.15</b>    |                                      |                              |                                  | <b>6765.00</b>         |     |

### 3.9 Thermal Capacity Addition Target/ Achievement for the Year 2020-21 :

| State                                     | Project Name                  | Implementing Agency          | Equipment (BTG) Supplier  | LOA Date | Unit No. | Fuel    | Targeted Cap. (MW) | Org. COD Sched. | Ant. Trial Run/ COD at the Beginning of the year | Achieved Cap. (MW) | Actual/ Ant. Date of Capacity Addition        |
|-------------------------------------------|-------------------------------|------------------------------|---------------------------|----------|----------|---------|--------------------|-----------------|--------------------------------------------------|--------------------|-----------------------------------------------|
| CENTRAL SECTOR                            |                               |                              |                           |          |          |         |                    |                 |                                                  |                    |                                               |
| Chhattisgarh                              | Lara STPP                     | NTPC                         | SG-Doosan, TG-BGR Hitachi | Dec-12   | U-2      | Coal    | 800                | May-17          | Aug – 20                                         | 800                | 12.07.2020(A)                                 |
| M.P.                                      | Gadarwara STPP                | NTPC                         | BHEL                      | Mar-13   | U-2      | Coal    | 800                | Sep-17          | Sep – 20                                         | 800                | 16.02.2021(A)                                 |
| U.P.                                      | Meja STPP                     | MUNPL (JV of NTPC & UPRVUNL) | SG-BGR Energy, TG-Toshiba | Apr-12   | U-2      | Coal    | 660                | Feb-17          | Oct – 20                                         | 660                | 12.01.2021(A)                                 |
| Tamil Nadu                                | Neyveli New TPP               | NLC                          | BHEL                      | Jun-11   | U-2      | Lignite | 500                | Sep-18          | Oct-20                                           | 500                | 03.02.2021(A)                                 |
| Odisha                                    | Darlipalli STPP St-I          | NTPC                         | SG-BHEL, TG-Toshiba,      | Feb-14   | U-2      | Coal    | 800                | Nov-17          | Nov – 20                                         | -                  | Slipped due to Covid pandemic.                |
| Bihar                                     | Barh STPP Stage - I           | NTPC                         | Russian                   | Mar-05   | U-1      | Coal    | 660                | Aug-09          | Nov – 20                                         | -                  | Slipped due to Covid pandemic.                |
| U.P.                                      | Tanda TPP St- II              | NTPC                         | SG-L&T TG- Alstom         | Sep-14   | U-6      | Coal    | 660                | Sep-17          | Dec – 20                                         | 660                | 31.03.2021(A)                                 |
| Bihar                                     | Nabi Nagar STPP               | NPGCPL (JV of NTPC & BSPGCL) | SG-BHEL, TG-Alstom        | Jan-13   | U-2      | Coal    | 660                | Jan-17          | Jan – 21                                         | 660                | 31.03.2021(A)                                 |
| Bihar                                     | Nabi Nagar TPP                | BRBCL (JV of NTPC & Railway) | BHEL                      | Jan-08   | U-4      | Coal    | 250                | Apr-12          | Feb – 21                                         | -                  | Slipped due to Covid pandemic.                |
|                                           | Total Central Sector          |                              |                           |          |          |         | 5790               |                 |                                                  | 4080               |                                               |
| STATE SECTOR                              |                               |                              |                           |          |          |         |                    |                 |                                                  |                    |                                               |
| Assam                                     | Namrup CCGT                   | APGCL                        | BHEL                      | Feb-09   | ST       | Gas     | 36.15              | Jan-12          | Jun-20                                           | 36.15              | 17.05.2020(A)                                 |
| Telangana                                 | Bhadradi TPP                  | TSGENCO                      | BHEL                      | Mar-15   | U-1      | Coal    | 270                | Mar-17          | Jun-20                                           | 270                | 05.06.2020(A)                                 |
| Telangana                                 | Bhadradi TPP                  | TSGENCO                      | BHEL                      | Mar-15   | U-2      | Coal    | 270                | May-17          | Aug-20                                           | 270                | 07.12.2020(A)                                 |
| Karnataka                                 | Yelahanka CCGP                | KPCL                         | BHEL                      | Nov-15   | GT+ST    | Gas     | 370                | Mar-18          | Nov-20                                           | -                  | Slipped due to Fire accident & Covid pandemic |
| A.P.                                      | Dr.Narla Tata Rao TPS Stage-V | APGENCO                      | BHEL                      | Oct-15   | U-8      | Coal    | 800                | Jul-19          | Nov-20                                           | -                  | Slipped due to Covid pandemic.                |
| A.P.                                      | Sri Damodaran TPS Stage II    | APPDCL                       | BHEL                      | Nov-15   | U-8      | Coal    | 800                | Jun-19          | Dec-20                                           | -                  | Slipped due to Covid pandemic.                |
| Rajasthan                                 | Suratgarh SCTPP               | RRVUNL                       | SG-Alstom, TG-Siemens     | Mar-13   | U-7      | Coal    | 660                | Jul-16          | Dec-20                                           | -                  | Slipped due to Covid pandemic.                |
| Tamil Nadu                                | North Chennai TPS             | TANGEDCO                     | SG-Alstom, TG-Siemens     | Jan-16   | U-1      | Coal    | 800                | Jul-18          | Dec-20                                           | -                  | Slipped due to Covid pandemic.                |
| Telangana                                 | Bhadradi TPP                  | TSGENCO                      | BHEL                      | Mar-15   | U-3      | Coal    | 270                | Jul-17          | Dec-20                                           | 270                | 26.03.2021(A)                                 |
|                                           | Total Sector Sector           |                              |                           |          |          |         | 4276.15            |                 |                                                  | 846.15             |                                               |
| PRIVATE SECTOR                            |                               |                              |                           |          |          |         |                    |                 |                                                  |                    |                                               |
| Tamil Nadu                                | Tuticorin TPP Stage IV        | SEPC Power P. Ltd            | BHEL                      | Jan-14   | U-1      | Coal    | 525                | Oct - 18        | Jan - 21                                         | -                  | Slipped due to Covid pandemic                 |
|                                           | Total Private Sector          |                              |                           |          |          |         | 525                |                 |                                                  | 0                  |                                               |
| TOTAL THERMAL CAPACITY ADDITION (2020-21) |                               |                              |                           |          |          |         | 10591.15           |                 |                                                  | 4926.15            |                                               |

#### 4.1. Details of Under Construction Thermal Power Projects in the country (As on 01.04.2021):

| S.N.                  | Project Name         | State     | District    | Implementing Agency                                     | Equipment (BTG) supplier                             | LOA Date/ ordered date | Unit No | Cap. (MW) | Org. Comm. Schedule | Anticipated TR/ Commissioning Schedule | Exp. In crores. | Till Date |
|-----------------------|----------------------|-----------|-------------|---------------------------------------------------------|------------------------------------------------------|------------------------|---------|-----------|---------------------|----------------------------------------|-----------------|-----------|
| <b>CENTRAL SECTOR</b> |                      |           |             |                                                         |                                                      |                        |         |           |                     |                                        |                 |           |
| 1                     | Barh STPP-I          | Bihar     | Patna       | NTPC                                                    | Russia                                               | Mar-05                 | U-1     | 660       | Aug-09              | May'21                                 | 18530.8         | Mar-21    |
|                       |                      |           |             |                                                         |                                                      | Mar-05                 | U-2     | 660       | Jun-10              | Jul'22                                 |                 |           |
|                       |                      |           |             |                                                         |                                                      | Mar-05                 | U-3     | 660       | Apr-11              | Jul'23                                 |                 |           |
| 2                     | Nabi Nagar TPP       | Bihar     | Aurangabad  | BRBCL (JV of NTPC & Railways)                           | BHEL                                                 | Jan-08                 | U-4     | 250       | Nov-13              | Sep'21                                 | 8839.26         | Mar-21    |
| 3                     | Nabi Nagar STPP      | Bihar     | Aurangabad  | NSPGCL (JV of NTPC & BSPGCL)                            | SG : BHEL, TG : Alstom                               | Jan-13                 | U-3     | 660       | Jan-18              | Oct'21                                 | 15763.67        | Mar-21    |
| 4                     | North Karanpura STPP | Jharkhand | Chatra      | NTPC                                                    | BHEL                                                 | Feb-14                 | U-1     | 660       | Feb-18              | Oct'21                                 | 11672.15        | Mar-21    |
|                       |                      |           |             |                                                         |                                                      | Feb-14                 | U-2     | 660       | Aug-18              | Apr'22                                 |                 |           |
|                       |                      |           |             |                                                         |                                                      | Feb-14                 | U-3     | 660       | Feb-19              | Oct'22                                 |                 |           |
| 5                     | Darlipalli STPP      | Odisha    | Sundergarh  | NTPC                                                    | SG : BHEL, TG : Toshiba                              | Feb-14                 | U-2     | 800       | Jun-18              | Aug'21                                 | 1170.78         | Mar-21    |
| 6                     | Telangana STPP St- I | Telangana | Karim Nagar | NTPC                                                    | SG : BHEL, TG: Alstom - Bharat Forge                 | Feb-16                 | U-1     | 800       | Jan-20              | Mar'22                                 | 8310.67         | Mar-21    |
|                       |                      |           |             |                                                         |                                                      | Feb-16                 | U-2     | 800       | Jul-20              | Jul'22                                 |                 |           |
| 7                     | Ghatampur TPP        | U.P.      | Kanpur      | NUPPL (JV of NLC & UPRVUNL)                             | SG : MHPS Boiler Pvt. Ltd., TG: Alstom -Bharat Forge | Aug-16                 | U-1     | 660       | Apr-20              | Mar'22                                 | 11452.38        | Mar-21    |
|                       |                      |           |             |                                                         |                                                      | Aug-16                 | U-2     | 660       | Oct-20              | Jun'22                                 |                 |           |
|                       |                      |           |             |                                                         |                                                      | Aug-16                 | U-3     | 660       | Oct-20              | Jul'22                                 |                 |           |
| 8                     | Patratu STPP         | Jharkhand | Ramgarh     | PVUNL (JV of NTPC & Jharkhand Bidyut Vitran Nigam Ltd.) | BHEL                                                 | Mar-18                 | U-1     | 800       | Jan-22              | Sep'23                                 | 4295.79         | Mar-21    |
|                       |                      |           |             |                                                         |                                                      | Mar-18                 | U-2     | 800       | Sep-22              | Mar'24                                 |                 |           |
|                       |                      |           |             |                                                         |                                                      | Mar-18                 | U-3     | 800       | Dec-22              | Sep'24                                 |                 |           |

|                      |                                     |            |                       |                            |                                      |        |           |       |        |        |          |        |
|----------------------|-------------------------------------|------------|-----------------------|----------------------------|--------------------------------------|--------|-----------|-------|--------|--------|----------|--------|
| 9                    | Rourkela TPP-II Expansion           | Odisha     | Sundergarh            | NSPCL (JV of NTPC & SAIL ) | BHEL                                 | May-16 | U-1       | 250   | Dec-18 | Sep'21 | 1763.69  | Feb-21 |
| 10                   | Khurja SCTPP                        | U.P.       | Bulandshahr           | THDCIL                     | SG : L&T, TG : BHEL                  | Mar-19 | U-1       | 660   | Mar-23 | Feb'24 | 1728.09  | Mar-21 |
|                      |                                     |            |                       |                            |                                      |        | U-2       | 660   | Sep-23 | Aug'24 |          |        |
| 11                   | Buxar TPP                           | Bihar      | Buxar                 | SJVNL                      | L&T                                  | Jun-19 | U-1       | 660   | Jul-23 | Jul'23 | 1998.39  | Mar-21 |
|                      |                                     |            |                       |                            |                                      |        | U-2       | 660   | Jan-24 | Jan'24 |          |        |
| TOTAL CENTRAL SECTOR |                                     |            |                       |                            |                                      |        |           | 14540 |        |        |          |        |
| STATE SECTOR         |                                     |            |                       |                            |                                      |        |           |       |        |        |          |        |
| 1                    | Dr.Narla Tata Rao TPS St-V          | A.P.       | Vijayawada            | APGENCO                    | BHEL                                 | Oct-15 | U-1       | 800   | Jun-19 | Oct'21 | 5953.75  | Mar-21 |
| 2                    | Sri Damodaran Sanjeevaiah TPP St-II | A.P.       | Nellore               | APGENCO                    | BHEL                                 | Nov-15 | U-1       | 800   | Mar-19 | Jul'21 | 7073.96  | Mar-21 |
| 3                    | Suratgarh SCTPP                     | Rajasthan  | Sri Ganga Nagar       | RRVUNL                     | SG : Alstom, TG : Siemens            | May-13 | U-8       | 660   | Dec-16 | Apr'21 | 10561.78 | Mar-21 |
| 4                    | Bhadradri TPP                       | Telangana  | Bhadradari Kothagudem | TSGENCO                    | BHEL                                 | Mar-15 | U-4       | 270   | Sep-17 | Sep'21 | 7419.47  | Mar-21 |
| 5                    | Ennore SCTPP                        | Tamil Nadu | Thiruvallur           | TANGEDCO                   | BHEL                                 | Sep-14 | U-1       | 660   | Jan-18 | May'22 | 4455.21  | Mar-21 |
|                      |                                     |            |                       |                            |                                      | Sep-14 | U-2       | 660   | Mar-18 | Aug'22 |          |        |
| 6                    | North Chennai TPP St-III            | Tamil Nadu | Thiruvallur           | TANGEDCO                   | SG : Alstom, TG : Siemens            | Jan-16 | U-1       | 800   | Mar-19 | Dec'21 | 6391.93  | Mar-21 |
| 7                    | Uppur Super Critical TPP            | Tamil Nadu | Ramanathapuram        | TANGEDCO                   |                                      | May-16 | U-1       | 800   | Mar-19 | May'24 | 3128.44  | Mar-21 |
|                      |                                     |            |                       |                            |                                      | Feb-16 | U-2       | 800   | Oct-19 | Jul'24 |          |        |
| 8                    | Harduaganj TPS Exp-II               | U.P.       | Aligarh               | UPRVUNL                    | SG : Doosan, TG : Toshiba            | Sep-15 | U-1       | 660   | Jun-19 | Jul'21 | 4218     | Mar-21 |
| 9                    | Yelahanka CCPP                      | Karnataka  | Bangalore             | KPCL                       | BHEL                                 | Nov-15 | GT+S<br>T | 370   | Mar-18 | Sep'21 | 1725     | Mar-21 |
| 10                   | Jawaharpur STPP                     | U.P.       | Etah                  | UPRVUNL                    | Doosan Power Systems India Pvt. Ltd. | Dec-16 | U-1       | 660   | Sep-20 | Jun'22 | 6020.45  | Mar-21 |
|                      |                                     |            |                       | UPRVUNL                    |                                      | Dec-16 | U-2       | 660   | Jan-21 | Dec'22 |          |        |
| 11                   | Obra-C STPP                         | U.P.       | Sonebhadra            | UPRVUNL                    | Doosan Power Systems India Pvt. Ltd. | Dec-16 | U-1       | 660   | Sep-20 | Jun'22 | 5300.92  | Mar-21 |
|                      |                                     |            |                       | UPRVUNL                    |                                      | Dec-16 | U-2       | 660   | Dec-20 | Dec'22 |          |        |

|                      |                                       |             |                        |                      |      |        |     |       |        |        |          |        |
|----------------------|---------------------------------------|-------------|------------------------|----------------------|------|--------|-----|-------|--------|--------|----------|--------|
| 12                   | Yadadari TPS                          | Telangana   | Yadadari - Bhuvanagiri | TSGENCO              | BHEL | Oct-17 | U-1 | 800   | Sep-20 | Feb'23 | 10992.33 | Mar-21 |
|                      |                                       |             |                        |                      |      |        | U-2 | 800   | Sep-20 | Mar'23 |          |        |
|                      |                                       |             |                        |                      |      |        | U-3 | 800   | Mar-21 | Apr'23 |          |        |
|                      |                                       |             |                        |                      |      |        | U-4 | 800   | Mar-21 | May'23 |          |        |
|                      |                                       |             |                        |                      |      |        | U-5 | 800   | Sep-21 | Jun'23 |          |        |
| 13                   | Panki TPS Extn.                       | U.P.        | Kanpur                 | UPRVUNL              | BHEL | Mar-18 | U-1 | 660   | Jun-21 | Sep'22 | 2512.02  | Mar-21 |
| 14                   | Udangudi STPP Stage I                 | Tamil Nadu  | Thoothukudi            | TANGEDCO             | BHEL | Dec-17 | U-1 | 660   | Feb-21 | May'22 | 2888.708 | Mar-21 |
|                      |                                       |             |                        |                      |      |        | U-2 | 660   | Feb-21 | Jul'22 |          |        |
| 15                   | Bhusawal TPS                          | Maharashtra | Jalgaon                | MAHAGENCO            | BHEL | Jan-18 | U-6 | 660   | Nov-21 | Dec'22 | 1657.5   | Mar-21 |
| 16                   | Sagardighi Thermal Power Plant Ph-III | West Bengal | Murshidabad            | WBPDC                | BHEL | Jul-20 | U-1 | 660   | Jan-24 | Jan'24 | 361.72   | Mar-21 |
| TOTAL STATE SECTOR   |                                       |             |                        |                      |      |        |     | 17220 |        |        |          |        |
| PRIVATE SECTOR       |                                       |             |                        |                      |      |        |     |       |        |        |          |        |
| 1                    | Tuticorin TPP St-IV                   | Tamil Nadu  | Thoothukudi            | SEPC Power Pvt. Ltd. | BHEL | Jan-14 | U-1 | 525   | Sep-18 | May'21 | 3875.75  | Mar-21 |
| TOTAL PRIVATE SECTOR |                                       |             |                        |                      |      |        |     | 525   |        |        |          |        |
| GRAND TOTAL          |                                       |             |                        |                      |      |        |     | 32285 |        |        |          |        |

## 4.2 Under construction TPP where work is on hold / not likely to be commissioned :

(As on 01.04.2021)

| S.No.          | State                | Project Name / Impl. Agency/ EPC or BTG                                                            | LOA Date/ ordered date | Unit No | Cap. (MW) | Org. Comm. Sched. | Present Status/Reamrks                                                                                                                                                                                                                      | Original Cost | Latest Cost (cr) | Exp. (cr) | Exp Till Date |
|----------------|----------------------|----------------------------------------------------------------------------------------------------|------------------------|---------|-----------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-----------|---------------|
| CENTRAL SECTOR |                      |                                                                                                    |                        |         |           |                   |                                                                                                                                                                                                                                             |               |                  |           |               |
| 1              | Rajasthan            | Barsingar TPP ext/NLC/Reliance Infra/ Chinese                                                      | Nov-16                 | U-1     | 250       | May-20            | Project put on hold due to withdrwal of PPA by DISCOM                                                                                                                                                                                       | 2112.59       | 2112.59          | 158.25    | Jan-21        |
| 2              | Rajasthan            | Bithnok TPP /NLC/Reliance Infra/ Chinese                                                           | Nov-16                 | U-1     | 250       | May-20            | Project put on hold due to withdrwal of PPA by DISCOM                                                                                                                                                                                       | 2196.3        | 2196.3           | 173.82    | Jan-21        |
|                | TOTAL CENTRAL SECTOR |                                                                                                    |                        |         | 500       |                   |                                                                                                                                                                                                                                             |               |                  |           |               |
| STATE SECTOR   |                      |                                                                                                    |                        |         |           |                   |                                                                                                                                                                                                                                             |               |                  |           |               |
| 1              | TN                   | Ennore exp. SCTPP/ Tangedco/ BTG Lanco (DEC-CHINA )                                                | May-14                 | U-1     | 660       | Jan-18            | Corporate Insolvency & Bankruptcy Process (CIRP) initiated against LITL(the EPC Contractor) by IDBI Bank from 07.08.2017 and interim resolution professional appointed on 10.08.2017 and hence the project has been stalled rom 07.08.2017. | 4956          | 5421.38          | Mar-02    | Jan-00        |
|                | TOTAL STATE SECTOR   |                                                                                                    |                        |         | 660       |                   |                                                                                                                                                                                                                                             |               |                  |           |               |
| PRIVATE SECTOR |                      |                                                                                                    |                        |         |           |                   |                                                                                                                                                                                                                                             |               |                  |           |               |
| 1              | AP                   | Bhavanapadu TPP Ph-I / East Coast Energy Ltd. / BTG DEC china                                      | Sep-09                 | U-1     | 660       | Oct-13            | Liquidation Order date 22/04/2019                                                                                                                                                                                                           | 6571.94       | 9343.15          | 3785.6    | Jan-16        |
|                |                      |                                                                                                    | Sep-09                 | U-2     | 660       | Mar-14            |                                                                                                                                                                                                                                             |               |                  |           |               |
| 2              | AP                   | Thamminapatnam TPP stage -II / Meenakshi Energy Pvt. Ltd. SG-Cether vessels TG-Chinese             | Dec-09                 | U-3     | 350       | May-12            | Admitted to NCLT on 07.11.2019                                                                                                                                                                                                              | 5005          | 5414.4           | 5414.4    | Feb-19        |
|                |                      |                                                                                                    | Dec-09                 | U-4     | 350       | Aug-12            |                                                                                                                                                                                                                                             |               |                  |           |               |
| 3              | Bihar                | Siriya TPP (Jas Infra. TPP) / JICPL BTG-DEC China                                                  | Mar-11                 | U-1     | 660       | Aug-14            | Liquidation Order date 17.07.2020                                                                                                                                                                                                           | 11120         | 11120            | NA        | NA            |
|                |                      |                                                                                                    | Mar-11                 | U-2     | 660       | Dec-14            |                                                                                                                                                                                                                                             |               |                  |           |               |
|                |                      |                                                                                                    | Mar-11                 | U-3     | 660       | Apr-15            |                                                                                                                                                                                                                                             |               |                  |           |               |
|                |                      |                                                                                                    | Mar-11                 | U-4     | 660       | Aug-15            |                                                                                                                                                                                                                                             |               |                  |           |               |
| 4              | Chhattisgarh         | Akaltara TPP (Naiyara) / KSK Mahandi Power Company Ltd./ Boiler-SEPCO CHINA (Shanghai china) / TG- | Apr-09                 | U-4     | 600       | Apr-13            | Admitted to NCLT on 03.01.2019                                                                                                                                                                                                              | 16190         | 27080            | 18730     | Dec-16        |
|                |                      |                                                                                                    | Apr-09                 | U-5     | 600       | Aug-13            |                                                                                                                                                                                                                                             |               |                  |           |               |

|    |              |                                                                                                    |        |     |     |        |                                                            |         |          |         |        |
|----|--------------|----------------------------------------------------------------------------------------------------|--------|-----|-----|--------|------------------------------------------------------------|---------|----------|---------|--------|
|    |              | SEPCO ( Dongfong china)                                                                            | Apr-09 | U-6 | 600 | Dec-13 |                                                            |         |          |         |        |
| 5  | Chhattisgarh | Binjkote TPP/ SKS Power Generation (Chhattisgarh) Ltd. Boiler-Cethar Vessels /Turbine-Harbin China | Mar-11 | U-3 | 300 | Mar-14 | Work held up due to financial constraints.                 | 5058    | 7940     | 3828    | Jun-15 |
|    |              |                                                                                                    | Mar-11 | U-4 | 300 | Jun-14 |                                                            |         |          |         |        |
| 6  | Chhattisgarh | Lanco Amarkantak TPP-II/ LAP Pvt. Ltd. BTG-DEC china                                               | Nov-09 | U-3 | 660 | Jan-12 | Admitted to NCLT on 05.09.2019                             | 6886    | 10815.24 | 9537.79 | Dec-16 |
|    |              |                                                                                                    | Nov-09 | U-4 | 660 | Mar-12 |                                                            |         |          |         |        |
| 7  | Chhattisgarh | Singhitarai TPP / Athena Chhattisgarh Power Ltd. BTG -DEC china                                    | Dec-09 | U-1 | 600 | Nov-14 | Admitted to NCLT on 15.05.2019                             | 6200    | 8443.79  | 6408.47 | May-17 |
|    |              |                                                                                                    | Dec-09 | U-2 | 600 | Feb-15 |                                                            |         |          |         |        |
| 8  | Chhattisgarh | Salora TPP / Vandana Vidyut/ Boiler-Cether Vessles /TG Harbin China                                | Sep-09 | U-2 | 135 | Sep-11 | Liquidation Order date 16.12.2019                          | 1458.44 | 2386.89  | 2386.89 | Mar-15 |
| 9  | Chhattisgarh | Deveri (Visa) TPP / Visa Power Ltd. BTG-BHEL                                                       | Jun-10 | U-1 | 600 | Aug-13 | Liquidation Order date 11.10.2018                          | 2618.7  | 3930     | 2077.23 | Nov-15 |
| 10 | Jharkhand    | Matrishri Usha TPP Ph-I / Corporate Power Ltd. EPC-BHEL                                            | Dec-09 | U-1 | 270 | Apr-12 | Admitted to NCLT on 19.02.2020                             | 2900    | 3120     | 3120    | Nov-12 |
|    |              |                                                                                                    | Dec-09 | U-2 | 270 | May-12 |                                                            |         |          |         |        |
| 11 | Jharkhand    | Matrishri Usha TPP Ph-II / Corporate Power Ltd. EPC-BHEL                                           | Mar-11 | U-3 | 270 | Oct-12 | Admitted to NCLT on 19.02.2020                             | 3182    | 3182     | 2207    | Sep-12 |
|    |              |                                                                                                    | Mar-11 | U-4 | 270 | Jan-13 |                                                            |         |          |         |        |
| 12 | Jharkhand    | Tori TPP Ph-I / Essar Power Ltd. BTG-Harbin China                                                  | Aug-08 | U-1 | 600 | Jul-12 | Liquidation Order date 18.12.2019                          | 5700    | 5700     | 4757.92 | Jun-17 |
|    |              |                                                                                                    | Aug-08 | U-2 | 600 | Sep-12 |                                                            |         |          |         |        |
| 13 | Jharkhand    | Tori TPP Ph-II / Essar Power Ltd./ BTG-Harbin China                                                | Feb-10 | U-3 | 600 | Dec-15 | Liquidation Order date 18.12.2019                          | 2500    | 2500     | 246.65  | Mar-15 |
| 14 | Maharashtra  | Amravati TPP Ph-II / Ratan India Power Pvt. Ltd. BTG-BHEL                                          | Oct-10 | U-1 | 270 | Jul-14 | Due to financial constraints project has been put on hold. | 6646    | 6646     | 763.8   | Mar-15 |
|    |              |                                                                                                    | Oct-10 | U-2 | 270 | Sep-14 |                                                            |         |          |         |        |
|    |              |                                                                                                    | Oct-10 | U-3 | 270 | Nov-14 |                                                            |         |          |         |        |
|    |              |                                                                                                    | Oct-10 | U-4 | 270 | Jan-15 |                                                            |         |          |         |        |
|    |              |                                                                                                    | Oct-10 | U-5 | 270 | Mar-15 |                                                            |         |          |         |        |
| 15 | Maharashtra  | Lanco Vidarbha TPP / LVP Pvt. Ltd. EPC-LANCO/ Boiler- Dongfong China / Turbine- Harbin china       | Nov-09 | U-1 | 660 | Jul-14 | Admitted to NCLT on 03.10.2019                             | 6936    | 10433    | 5338    | Apr-17 |
|    |              |                                                                                                    | Nov-09 | U-2 | 660 | Nov-14 |                                                            |         |          |         |        |
| 16 | Maharashtra  | Nasik TPP Ph-II / Ratan India Nasik                                                                | Nov-09 | U-1 | 270 | Apr-13 | No work is going on at site due to                         | 6789    | 6789     | 711.81  | Mar-15 |

|                      |             |                                                                                                      |        |     |       |        |                                                                                                                                                                                                                                                                                                       |      |       |         |        |
|----------------------|-------------|------------------------------------------------------------------------------------------------------|--------|-----|-------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|---------|--------|
|                      |             | Power Pvt. Ltd. BTG-BHEL                                                                             | Nov-09 | U-2 | 270   | Jun-13 | financial problems.                                                                                                                                                                                                                                                                                   |      |       |         |        |
|                      |             |                                                                                                      | Nov-09 | U-3 | 270   | Aug-13 |                                                                                                                                                                                                                                                                                                       |      |       |         |        |
|                      |             |                                                                                                      | Nov-09 | U-4 | 270   | Oct-13 |                                                                                                                                                                                                                                                                                                       |      |       |         |        |
|                      |             |                                                                                                      | Nov-09 | U-5 | 270   | Dec-13 |                                                                                                                                                                                                                                                                                                       |      |       |         |        |
| 17                   | Maharashtra | Bijora Ghanmukh TPP / Jinbhuvish Power Generation Pvt. Ltd. / BTG-CWPC, Chinese                      | Sep-11 | U-1 | 300   | Dec-16 | Work held up due to financial constraints.                                                                                                                                                                                                                                                            | 3189 | 3450  | 422.27  | Mar-15 |
|                      |             |                                                                                                      | Sep-11 | U-2 | 300   | Mar-17 |                                                                                                                                                                                                                                                                                                       |      |       |         |        |
| 18                   | Maharashtra | Shirpur TPP ,Shirpur Power Pvt. Ltd./ BTG-BHEL                                                       | Nov-11 | U-2 | 150   | Apr-15 | Admitted to NCLT on 04.03.2020                                                                                                                                                                                                                                                                        | 2413 | 2413  | 2277.94 | Apr-17 |
| 19                   | MP          | Gorgi TPP / D.B. Power (MP) Ltd. BTG-BHEL                                                            | Mar-11 | U-1 | 660   | Jun-13 | Work is on hold at site due to Financial crunch being faced by the developer.                                                                                                                                                                                                                         | 3941 | 3941  | 475.79  | Sep-15 |
| 20                   | Odisha      | Ind Barath TPP (Odisha) / Ind Barath /BTG-Cethar Vessels                                             | May-09 | U-2 | 350   | Dec-11 | financial constraints due to non-disbursement of funds by financier.                                                                                                                                                                                                                                  | 3150 | 4254  | 4254    | Apr-17 |
| 21                   | Odisha      | KVK Nilanchal TPP/ KVK Nilanchal / BTG-Harbin China                                                  | Nov-09 | U-1 | 350   | Dec-11 | Admitted to NCLT on 17.09.2019. Initially delayed due to chimney clearance and law & order problem. Work was held up due to stay by Hon'ble High Court of Orissa. Hon'ble High Court has given order dated : 20.05.14 to start the work. Delay in approval of revised cost of the project by lenders. | 4990 | 6000  | 1708.36 | Mar-15 |
|                      |             |                                                                                                      | Nov-09 | U-2 | 350   | Feb-12 |                                                                                                                                                                                                                                                                                                       |      |       |         |        |
|                      |             |                                                                                                      | Nov-09 | U-3 | 350   | Feb-12 |                                                                                                                                                                                                                                                                                                       |      |       |         |        |
| 22                   | Odisha      | Lanco Babandh TPP / LBP Ltd./ BTG-DEC Chinese                                                        | Nov-09 | U-1 | 660   | Apr-13 | Liquidation Order date 27.11.2019                                                                                                                                                                                                                                                                     | 6930 | 10430 | 7615    | Mar-17 |
|                      |             |                                                                                                      | Nov-09 | U-2 | 660   | Aug-13 |                                                                                                                                                                                                                                                                                                       |      |       |         |        |
| 23                   | Odisha      | Malibrahmani TPP / MPCL/ BTG-BHEL                                                                    | Jun-10 | U-1 | 525   | Dec-12 | Liquidation Order date 23.10.2019                                                                                                                                                                                                                                                                     | 5093 | 6330  | 5329.75 | Dec-14 |
|                      |             |                                                                                                      | Jun-10 | U-2 | 525   | Feb-13 |                                                                                                                                                                                                                                                                                                       |      |       |         |        |
| 24                   | TN          | Tuticorin TPP (Ind- Barath) / IBPIL / BTG- Shangdong China                                           | May-10 | U-1 | 660   | May-12 | Liquidation Order date 22.04.2019                                                                                                                                                                                                                                                                     | 3595 | 3595  | 2000    | May-15 |
| 25                   | WB          | Hiranmaye Energy Ltd (India Power corporation (Haldia) TPP / Haldia Energy Ltd/ EPC- MEIL /BTG-BHEL. | Sep-10 | U-3 | 150   | May-16 | work is totally on hold                                                                                                                                                                                                                                                                               | 2656 | 3307  | 3263.05 | Oct-17 |
| Total Private Sector |             |                                                                                                      |        |     | 23205 |        |                                                                                                                                                                                                                                                                                                       |      |       |         |        |
| Grand Total          |             |                                                                                                      |        |     | 24365 |        |                                                                                                                                                                                                                                                                                                       |      |       |         |        |

## 5.0 Thermal Power Projects visited during 4<sup>th</sup> Quarter (January'21 – March'21 ) of 2020-21 :

No site visits were made during this period due to COVID-19 pandemic.

## 6.0 Details of Super Critical Units Commissioned in the country as on 31<sup>st</sup> March, 2021 :

| State                                           | Project Name                     | Impl Agency/ Make                                                     | Unit No | Cap. MW     | Actual Comm. Date | BHEL        | L&T      | Chinese     | Russia      | Others     | Doosan Power System India. |
|-------------------------------------------------|----------------------------------|-----------------------------------------------------------------------|---------|-------------|-------------------|-------------|----------|-------------|-------------|------------|----------------------------|
| <b>Commissioned during 11th Plan</b>            |                                  |                                                                       |         |             |                   |             |          |             |             |            |                            |
| <b>CENTRAL SECTOR</b>                           |                                  |                                                                       |         |             |                   |             |          |             |             |            |                            |
| Chhattisgarh                                    | Sipat-I                          | NTPC                                                                  | U-1     | 660         | 28.06.11          | -           | -        | -           | 660         | -          | -                          |
| Chhattisgarh                                    | Sipat-I                          | TG-Power M/C, Russia. SG-Dussan, Korea                                | U-2     | 660         | 24.12.11          | -           | -        | -           | 660         | -          | -                          |
| <b>Total Central Sector</b>                     |                                  |                                                                       |         | <b>1320</b> |                   | <b>0</b>    | <b>0</b> | <b>0</b>    | <b>1320</b> | <b>0</b>   | <b>0</b>                   |
| <b>PRIVATE SECTOR</b>                           |                                  |                                                                       |         |             |                   |             |          |             |             |            |                            |
| Gujarat                                         | Mundra TPP Ph-II                 | Adani Power Ltd                                                       | U-1     | 660         | 26.12.10          | -           | -        | 660         | -           | -          | -                          |
| Gujarat                                         | Mundra TPP Ph-II                 | Boiler : Harbin, China & TG:M/s DEC, China                            | U-2     | 660         | 20.07.11          | -           | -        | 660         | -           | -          | -                          |
| Gujarat                                         | Mundra TPP Ph-III                | Adani Power Ltd                                                       | U-1     | 660         | 07.11.11          | -           | -        | 660         | -           | -          | -                          |
| Gujarat                                         | Mundra TPP Ph-III                | Boiler : Harbin, China & TG:M/s DEC, China                            | U-2     | 660         | 03.03.12          | -           | -        | 660         | -           | -          | -                          |
| Gujarat                                         | Mundra TPP Ph-III                | Boiler : Harbin, China & TG:M/s DEC, China                            | U-3     | 660         | 09.03.12          | -           | -        | 660         | -           | -          | -                          |
| Gujarat                                         | Mundra UMTTP                     | Tata Power Co.<br>Boiler: DOOSAN, KOREA TG: TOSHIBA, JAPAN            | U-1     | 800         | 25.02.12          | -           | -        | -           | -           | 800        | -                          |
| Haryana                                         | Jajjar TPP (Mahatama Gandhi TPP) | CLP Power India Pvt. Ltd<br>Boiler: Harbin, China & TG:M/s DEC, China | U-1     | 660         | 12.01.12          | -           | -        | 660         | -           | -          | -                          |
| <b>Total Private Sector</b>                     |                                  |                                                                       |         | <b>4760</b> |                   | <b>0</b>    | <b>0</b> | <b>3960</b> | <b>0</b>    | <b>800</b> | <b>0</b>                   |
| <b>Grand Total in 11th Plan Commissioned</b>    |                                  |                                                                       |         | <b>6080</b> |                   | <b>0</b>    | <b>0</b> | <b>3960</b> | <b>1320</b> | <b>800</b> | <b>0</b>                   |
| <b>Commissioned during 12th Plan (Targeted)</b> |                                  |                                                                       |         |             |                   |             |          |             |             |            |                            |
| <b>CENTRAL SECTOR</b>                           |                                  |                                                                       |         |             |                   |             |          |             |             |            |                            |
| Chhattisgarh                                    | Sipat-I                          |                                                                       | U-3     | 660         | 02.06.12          | -           | -        | -           | 660         | -          | -                          |
| Bihar                                           | Barh -II                         | NTPC                                                                  | U-4     | 660         | 30.11.13          | 660         | -        | -           | -           | -          | -                          |
| Bihar                                           | Barh -II                         | NTPC                                                                  | U-5     | 660         | 04.03.15          | 660         | -        | -           | -           | -          | -                          |
| <b>Total Central Sector</b>                     |                                  |                                                                       |         | <b>1980</b> |                   | <b>1320</b> | <b>0</b> | <b>0</b>    | <b>660</b>  | <b>0</b>   | <b>0</b>                   |

| State                                      | Project Name                     | Impl Agency/ Make                                 | Unit No | Cap. MW      | Actual Comm. Date | BHEL        | L&T         | Chinese     | Russia     | Others     | Doosan Power System India. |
|--------------------------------------------|----------------------------------|---------------------------------------------------|---------|--------------|-------------------|-------------|-------------|-------------|------------|------------|----------------------------|
| <b>STATE SECTOR</b>                        |                                  |                                                   |         |              |                   |             |             |             |            |            |                            |
| AP                                         | Damodaram Sanjeevaiah TPS        | APPDL                                             | U-1     | 800          | 28.08.14          | -           | 800         | -           | -          | -          | -                          |
| AP                                         | Damodaram Sanjeevaiah TPS        | Boiler-BHEL, TG- L&T                              | -       | -            | -                 | -           | -           | -           | -          | -          | -                          |
| AP                                         | Damodaram Sanjeevaiah TPS        | Boiler-BHEL, TG- L&T                              | U-2     | 800          | 17.03.15          | -           | 800         | -           | -          | -          | -                          |
| Maharashtra                                | Koradi TPS Expn.                 | MSPGCL                                            | U-8     | 660          | 30.03.15          | -           | 660         | -           | -          | -          | -                          |
| <b>Total State Sector</b>                  |                                  |                                                   |         | <b>2260</b>  |                   | <b>0</b>    | <b>2260</b> | <b>0</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>                   |
| <b>PRIVATE SECTOR</b>                      |                                  |                                                   |         |              |                   |             |             |             |            |            |                            |
| AP                                         | Painampuram TPP                  | Thermal Power Tech Corp. Ltd                      | U-1     | 660          | 07.02.15          | -           | -           | 660         | -          | -          | -                          |
| AP                                         | Painampuram TPP                  | Thermal Power Tech Corp. Ltd                      | U-2     | 660          | 05.09.15          | -           | -           | 660         | -          | -          | -                          |
| AP                                         | NCC TPP                          | NCC Power Projects Ltd                            | U-1     | 660          | 12.11.16          | -           | -           | 660         | -          | -          | -                          |
| AP                                         | NCC TPP                          | NCC Power Projects Ltd                            | U-2     | 660          | 15.02.17          | -           | -           | 660         | -          | -          | -                          |
| Gujarat                                    | Mundra UMTTP                     | Tata Power Co.                                    | U-2     | 800          | 25.07.12          | -           | -           |             | -          | 800        | -                          |
| Haryana                                    | Jajjar TPP (Mahatama Gandhi TPP) | CLP Power India Pvt. Ltd                          | U-2     | 660          | 11.04.12          | -           | -           | 660         | -          | -          | -                          |
| Maharashtra                                | Tirora TPP Ph-I                  | Adani Power Ltd                                   | U-1     | 660          | 11.09.12          | -           | -           | 660         | -          | -          | -                          |
| Maharashtra                                | Tirora TPP Ph-I                  | Boiler : BABCOCK, China & TG: BSTG , China        | U-2     | 660          | 25.03.13          | -           | -           | 660         | -          | -          | -                          |
| Maharashtra                                | Tirora TPP Ph-II                 | Adani Power Ltd                                   | U-1     | 660          | 10.06.13          | -           | -           | 660         | -          | -          | -                          |
| MP                                         | Sasan UMPP                       | Reliance Power Ltd.                               | U-3     | 660          | 30.05.13          | -           | -           | 660         | -          | -          | -                          |
| MP                                         | Sasan UMPP                       | BTG: M/s Shanghai Elec Corp., China               | U-2     | 660          | 18.12.13          | -           | -           | 660         | -          | -          | -                          |
| Punjab                                     | Rajpura TPP ( Nabha)             | Nabha Power Ltd                                   | U-1     | 700          | 24.01.14          | -           | 700         | -           | -          | -          | -                          |
| Punjab                                     | Rajpura TPP ( Nabha)             | BTG:L&T                                           | U-2     | 700          | 06.07.14          | -           | 700         | -           | -          | -          | -                          |
| Punjab                                     | Talwandi Sabo TPP                | M/s Sterlite                                      | U-1     | 660          | 17.06.14          | -           | -           | 660         | -          | -          | -                          |
| Punjab                                     | Talwandi Sabo TPP                | M/s Sterlite                                      | U-2     | 660          | 30.10.15          | -           | -           | 660         | -          | -          | -                          |
| Punjab                                     | Talwandi Sabo TPP                | M/s Sterlite                                      | U-3     | 660          | 29.03.16          | -           | -           | 660         | -          | -          | -                          |
| U.P                                        | Prayagraj ( Bara) TPP            | Prayagraj power Gen. Co.Ltd ( J.P.Power Ventures) | U-1     | 660          | 25.12.15          | 660         | -           | -           | -          | -          | -                          |
|                                            |                                  |                                                   | U-2     | 660          | 06.09.16          | 660         | -           | -           | -          | -          | -                          |
| <b>Total Private Sector</b>                |                                  |                                                   |         | <b>12100</b> |                   | <b>1320</b> | <b>1400</b> | <b>8580</b> | <b>0</b>   | <b>800</b> | <b>0</b>                   |
| <b>Total 12th Plan Target Commissioned</b> |                                  |                                                   |         | <b>16340</b> |                   | <b>2640</b> | <b>3660</b> | <b>8580</b> | <b>660</b> | <b>800</b> | <b>0</b>                   |

## Additional Units Commissioned , Not in the 12th Plan Target

### Central Sector

|                  |                 |      |     |             |            |             |          |          |          |          |             |
|------------------|-----------------|------|-----|-------------|------------|-------------|----------|----------|----------|----------|-------------|
| Karnataka        | Kudgi STPP Ph-I | NTPC | U-1 | 800         | 25.12.2016 | -           | -        | -        | -        | -        | 800         |
| Karnataka        | Kudgi STPP Ph-I | NTPC | U-2 | 800         | 23.03.2017 | -           | -        | -        | -        | -        | 800         |
| Maharashtra      | Mouda STPP -II  | NTPC | U-3 | 660         | 28.03.16   | 660         | -        | -        | -        | -        | -           |
| Maharashtra      | Mouda STPP-II   | NTPC | U-2 | 660         | 18.03.2017 | 660         | -        | -        | -        | -        | -           |
| <b>Sub-Total</b> |                 |      |     | <b>2920</b> |            | <b>1320</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>1600</b> |

### State Sector

|                  |                     |        |      |             |          |             |             |          |          |          |          |
|------------------|---------------------|--------|------|-------------|----------|-------------|-------------|----------|----------|----------|----------|
| Karnataka        | Bellary TPS- St-III | KPCL   | U-3  | 700         | 01.03.16 | 700         | -           | -        | -        | -        | -        |
| Karnataka        | Yermaus TPP         | KPCL   | U-1  | 800         | 29.03.16 | 800         | -           | -        | -        | -        | -        |
| Karnataka        | Yermaus TPP         | KPCL   | U-2  | 800         | 29.03.17 | 800         | -           | -        | -        | -        | -        |
| Maharashtra      | Koradi TPS Expn.    | MSPGCL | U-9  | 660         | 28.03.16 | -           | 660         | -        | -        | -        | -        |
| Maharashtra      | Koradi TPS Expn.    | MSPGCL | U-10 | 660         | 28.12.16 | -           | 660         | -        | -        | -        | -        |
| <b>Sub-Total</b> |                     |        |      | <b>3620</b> |          | <b>2300</b> | <b>1320</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

### Private Sector

|                             |                  |                                          |     |              |          |             |             |             |          |             |             |
|-----------------------------|------------------|------------------------------------------|-----|--------------|----------|-------------|-------------|-------------|----------|-------------|-------------|
| Chhattisgarh                | Raikheda TPP     | GMR Chhattisgarh Energy Ltd.             | U-1 | 685          | 27.02.15 | -           | -           | -           | -        | -           | 685         |
|                             |                  | BTG: Doosan Power System India.          | U-2 | 685          | 28.03.16 | -           | -           | -           | -        | -           | 685         |
| Gujarat                     | Mundra UMTTP     | Tata Power Co.                           | U-3 | 800          | 16.10.12 | -           | -           | -           | -        | 800         | -           |
| Gujarat                     | Mundra UMTTP     | Tata Power Co.                           | U-4 | 800          | 16.01.13 | -           | -           | -           | -        | 800         | -           |
| Gujarat                     | Mundra UMTTP     | Tata Power Co.                           | U-5 | 800          | 18.03.13 | -           | -           | -           | -        | 800         | -           |
| Maharashtra                 | Tirora TPP Ph-II | Adani Power Ltd                          | U-2 | 660          | 23.03.14 | -           | -           | 660         | -        | -           | -           |
|                             |                  | Boiler : BABCOCK, China & TG: BSTG China | -   | -            | -        | -           | -           | -           | -        | -           | -           |
| Maharashtra                 | Tirora TPP Ph-II | Adani Power Ltd                          | U-3 | 660          | 25.09.14 | -           | -           | 660         | -        | -           | -           |
| Rajasthan                   | Kawai TPP        | Adani Power Ltd.                         | U-1 | 660          | 28.05.13 | -           | -           | 660         | -        | -           | -           |
|                             |                  | BTG: M/s Shanghai Elec Corp., China      | U-2 | 660          | 24.12.13 | -           | -           | 660         | -        | -           | -           |
| MP                          | Sasan UMPP       | Reliance Power Ltd.                      | U-4 | 660          | 25.03.14 | -           | -           | 660         | -        | -           | -           |
| MP                          | Sasan UMPP       | BTG: M/s Shanghai Elec Corp., China      | U-1 | 660          | 21.05.14 | -           | -           | 660         | -        | -           | -           |
| MP                          | Sasan UMPP       |                                          | U-5 | 660          | 24.08.14 | -           | -           | 660         | -        | -           | -           |
| MP                          | Sasan UMPP       |                                          | U-6 | 660          | 19.03.15 | -           | -           | 660         | -        | -           | -           |
|                             | Nigri TPP        | Jaiprakash Power ventures Ltd            | U-1 | 660          | 29.08.14 | -           | 660         | -           | -        | -           | -           |
|                             |                  | BTG:L&T                                  | U-2 | 660          | 17.02.15 | -           | 660         | -           | -        | -           | -           |
| UP                          | Lalitpur TPP     | Lalitpur power Generation Co. Ltd        | U-2 | 660          | 08.01.16 | 660         | -           | -           | -        | -           | -           |
| UP                          | Lalitpur TPP     | Lalitpur power Generation Co. Ltd        | U-1 | 660          | 26.03.16 | 660         | -           | -           | -        | -           | -           |
| UP                          | Lalitpur TPP     | Lalitpur power Generation Co. Ltd        | U-3 | 660          | 01.04.16 | 660         | -           | -           | -        | -           | -           |
| <b>Total Private Sector</b> |                  |                                          |     | <b>12350</b> |          | <b>1980</b> | <b>1320</b> | <b>5280</b> | <b>0</b> | <b>2400</b> | <b>1370</b> |
| <b>Total Additional</b>     |                  |                                          |     | <b>18890</b> |          | <b>5600</b> | <b>2640</b> | <b>5280</b> | <b>0</b> | <b>2400</b> | <b>2970</b> |

| Super critical Units Commissioned during the year 2017-18 |                     |                             |         |             |                   |            |            |          |          |             |                            |
|-----------------------------------------------------------|---------------------|-----------------------------|---------|-------------|-------------------|------------|------------|----------|----------|-------------|----------------------------|
| State                                                     | Project Name        | Impl Agency/ Make           | Unit No | Cap. MW     | Actual Comm. Date | BHEL       | L&T        | Chinese  | Russia   | Others      | Doosan Power System India. |
| <b>Central Sector</b>                                     |                     |                             |         |             |                   |            |            |          |          |             |                            |
| Maharashtra                                               | Solapur STPP        | NTPC                        | U-1     | 660         | 07.04.2017        | -          | -          | -        | -        | 660         | -                          |
| Karnataka                                                 | Kudgi STPP Ph-I     | NTPC                        | U-3     | 800         | 12.03.2018        | 0          | 0          | 0        | 0        | 800         | 0                          |
| Uttar Pradesh                                             | Meja STPP           | JV of NTPC & UPRVUNL        | U-1     | 660         | 31.03.2018        | 0          | 0          | 0        | 0        | 660         | 0                          |
| Chhattisgarh                                              | Lara TPP            | NTPC                        | U-1     | 800         | 23.03.2018        | 0          | 0          | 0        | 0        | 800         | 0                          |
| <b>Total Central Sector</b>                               |                     |                             |         | <b>2920</b> |                   | <b>0</b>   | <b>0</b>   | <b>0</b> | <b>0</b> | <b>2920</b> | <b>0</b>                   |
| <b>State Sector</b>                                       |                     |                             |         |             |                   |            |            |          |          |             |                            |
| Rajasthan                                                 | Chhabra SCTPP       | RRVUNL                      | U-5     | 660         | 04.04.2017        | 0          | 660        | 0        | 0        | 0           | 0                          |
| <b>Total State Sector</b>                                 |                     |                             |         | <b>660</b>  |                   | <b>0</b>   | <b>660</b> | <b>0</b> | <b>0</b> | <b>0</b>    | <b>0</b>                   |
| <b>Private Sector</b>                                     |                     |                             |         |             |                   |            |            |          |          |             |                            |
| UP                                                        | Paryagraj(Bara) TPP | Prayagraj Power Gen Co. Ltd | U-3     | 660         | 22.05.2017        | 660        | 0          | 0        | 0        | 0           | 0                          |
| <b>Total Private Sector</b>                               |                     |                             |         | <b>660</b>  |                   | <b>660</b> | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b>    | <b>0</b>                   |
| <b>Total Commissioned in 2017-18</b>                      |                     |                             |         | <b>4240</b> |                   | <b>660</b> | <b>660</b> | <b>0</b> | <b>0</b> | <b>2920</b> | <b>0</b>                   |

| Super Critical Units Commissioned during the year 2018-19 |                         |                   |         |             |                          |             |             |          |          |            |                            |
|-----------------------------------------------------------|-------------------------|-------------------|---------|-------------|--------------------------|-------------|-------------|----------|----------|------------|----------------------------|
| State                                                     | Project Name            | Impl Agency/ Make | Unit No | Cap. MW     | Actual Date of Cap. Add. | BHEL        | L&T         | Chinese  | Russia   | Others     | Doosan Power System India. |
| <b>Central Sector</b>                                     |                         |                   |         |             |                          |             |             |          |          |            |                            |
| MP                                                        | Gadarwara TPP           | NTPC              | U-1     | 800         | 29.03.2019               | 800         | 0           | 0        | 0        | -          | 0                          |
| Maharashtra                                               | Solapur STPP            | NTPC              | U-2     | 660         | 29.03.2019               | 0           | 0           | 0        | 0        | 660        | 0                          |
| <b>Total Central Sector</b>                               |                         |                   |         | <b>1460</b> |                          | <b>800</b>  | <b>0</b>    | <b>0</b> | <b>0</b> | <b>660</b> | <b>0</b>                   |
| <b>State Sector</b>                                       |                         |                   |         |             |                          |             |             |          |          |            |                            |
| MP                                                        | Shri Singhaji TPP St-II | MPPGCL            | U-3     | 660         | 18.11.2018               | 0           | 660         | 0        | 0        | -          | 0                          |
| MP                                                        | Shri Singhaji TPP St-II | MPPGCL            | U-4     | 660         | 27.03.2019               | 0           | 660         | 0        | 0        | -          | 0                          |
| Rajasthan                                                 | Chhabra TPP Extn        | RRVUNL            | U-6     | 660         | 29.03.2019               | 0           | 660         | 0        | 0        | -          | 0                          |
| Telangana                                                 | Kothagudem TPS St-VII   | TSGENCO           | U-1     | 800         | 26.12.2018               | 800         | -           | -        | -        | -          | -                          |
| <b>Total State Sector</b>                                 |                         |                   |         | <b>2780</b> |                          | <b>800</b>  | <b>1980</b> | <b>0</b> | <b>0</b> | <b>0</b>   | <b>0</b>                   |
| <b>Private Sector</b>                                     |                         |                   |         |             |                          |             |             |          |          |            |                            |
| <b>Total Private Sector</b>                               |                         |                   |         | <b>0</b>    |                          | <b>0</b>    | <b>0</b>    | <b>0</b> | <b>0</b> | <b>0</b>   | <b>0</b>                   |
| <b>Total Commissioned in 2018-19</b>                      |                         |                   |         | <b>4240</b> |                          | <b>1600</b> | <b>1980</b> | <b>0</b> | <b>0</b> | <b>660</b> | <b>0</b>                   |

| Super critical Units Commissioned during the year 2019-20           |                    |                   |         |              |                          |             |             |          |          |            |                            |
|---------------------------------------------------------------------|--------------------|-------------------|---------|--------------|--------------------------|-------------|-------------|----------|----------|------------|----------------------------|
| State                                                               | Project Name       | Impl Agency/ Make | Unit No | Cap. MW      | Actual Date of Cap. Add. | BHEL        | L&T         | Chinese  | Russia   | Others     | Doosan Power System India. |
| <b>Central Sector</b>                                               |                    |                   |         |              |                          |             |             |          |          |            |                            |
| Bihar                                                               | Nabi Nagar STPP    | NTPC              | 1       | 660          | 12.07.2019               | 660         | 0           | 0        | 0        | 0          | 0                          |
| M.P.                                                                | Khargone STPP St-I | NTPC              | 1       | 660          | 29.09.2019               | 0           | 660         | 0        | 0        | 0          | 0                          |
| U.P.                                                                | Tanda TPP St-II    | NTPC              | 5       | 660          | 28.09.2019               | 0           | 660         | 0        | 0        | 0          | 0                          |
| Odisha                                                              | Darlipali STPP     | NTPC              | 1       | 800          | 30.12.2019               | 0           | 0           | 0        | 0        | 800        | 0                          |
| M.P.                                                                | Khargone STPP St-I | NTPC              | 2       | 660          | 24.03.2020               | 0           | 660         | 0        | 0        | 0          | 0                          |
| <b>Total Central Sector</b>                                         |                    |                   |         | <b>3440</b>  |                          | <b>660</b>  | <b>1980</b> | <b>0</b> | <b>0</b> | <b>800</b> | <b>0</b>                   |
| <b>State Sector</b>                                                 |                    |                   |         |              |                          |             |             |          |          |            |                            |
| Odisha                                                              | Ib Valley TPP      | OPGC              | 3       | 660          | 01.07.2019               | 660         | 0           | 0        | 0        | 0          | 0                          |
| Odisha                                                              | Ib Valley TPP      | OPGC              | 4       | 660          | 17.08.2019               | 660         | 0           | 0        | 0        | 0          | 0                          |
| Gujarat                                                             | Wanakbori TPP Ext. | GSECL             | 8       | 800          | 12.10.2019               | 800         | 0           | 0        | 0        | 0          | 0                          |
| Rajasthan                                                           | Suratgarh SCTPP    | RRVUNL            | 7       | 660          | 15.03.2020               | 660         | 0           | 0        | 0        | 0          | 0                          |
| <b>Total State Sector</b>                                           |                    |                   |         | <b>2780</b>  |                          | <b>2780</b> | <b>0</b>    | <b>0</b> | <b>0</b> | <b>0</b>   | <b>0</b>                   |
| <b>Private Sector</b>                                               |                    |                   |         |              |                          |             |             |          |          |            |                            |
| <b>Total Private Sector</b>                                         |                    |                   |         | <b>0</b>     |                          |             |             |          |          |            |                            |
| <b>GRAND TOTAL IN 2019-20</b>                                       |                    |                   |         | <b>6220</b>  |                          |             |             |          |          |            |                            |
| Super critical Units Commissioned during the year 2020-21           |                    |                   |         |              |                          |             |             |          |          |            |                            |
| State                                                               | Project Name       | Impl Agency/ Make | Unit No | Cap. MW      | Actual Date of Cap. Add. | BHEL        | L&T         | Chinese  | Russia   | Others     | Doosan Power System India. |
| <b>Central Sector</b>                                               |                    |                   |         |              |                          |             |             |          |          |            |                            |
| Chhattisgarh                                                        | Lara STPP          | NTPC              | 2       | 800          | 12.07.2020               | 0           | 0           | 0        | 0        | 0          | 800                        |
| MP                                                                  | Gadarwara STPP     | NTPC              | 2       | 800          | 16.02.2021               | 800         | 0           | 0        | 0        | 0          | 0                          |
| UP                                                                  | Meja STPP          | JV of NTPC and UP | 2       | 660          | 12.01.2021               | 0           | 0           | 0        | 0        | 660        | 0                          |
| UP                                                                  | Tanda TPP St- II   | NTPC              | 6       | 660          | 31.03.2021               | 0           | 660         | 0        | 0        | 0          | 0                          |
| Bihar                                                               | Nabi Nagar STPP    | NPGCL             | 2       | 660          | 31.03.2021               | 660         | 0           | 0        | 0        | 0          | 0                          |
| <b>Total Central Sector</b>                                         |                    |                   |         | <b>3580</b>  |                          | <b>1460</b> | <b>660</b>  | <b>0</b> | <b>0</b> | <b>660</b> | <b>800</b>                 |
| <b>State Sector</b>                                                 |                    |                   |         |              |                          |             |             |          |          |            |                            |
| <b>Total State Sector</b>                                           |                    |                   |         | <b>0</b>     |                          | <b>0</b>    | <b>0</b>    | <b>0</b> | <b>0</b> | <b>0</b>   | <b>0</b>                   |
| <b>Private Sector</b>                                               |                    |                   |         |              |                          |             |             |          |          |            |                            |
| <b>Total Private Sector</b>                                         |                    |                   |         | <b>0</b>     |                          |             |             |          |          |            |                            |
| <b>GRAND TOTAL IN 2020-21</b>                                       |                    |                   |         | <b>3580</b>  |                          |             |             |          |          |            |                            |
| <b>GROSS SUPER-CRITICAL CAPACITY COMMISSIONED (Till 31.03.2021)</b> |                    |                   |         | <b>59590</b> |                          |             |             |          |          |            |                            |

## 7.0 Plan/ Year wise Thermal Capacity Targets / Achievements in the Country :

| Sl. No.                                        | Year           | Capacity Addition (MW) | Target (MW) | % Achievement |
|------------------------------------------------|----------------|------------------------|-------------|---------------|
| <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                 | -           | -             |

| Sl. No.                                        | Year                         | Capacity Addition (MW) | Target (MW)  | % Achievement |
|------------------------------------------------|------------------------------|------------------------|--------------|---------------|
|                                                | <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                      | 181.96                 | -            | -             |
|                                                | <b>Total :</b>               | <b><u>2007.9</u></b>   | <b>5746</b>  | <b>34.94</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>  | <b>7845</b>  | <b>78.38</b>  |
| <b>29</b>                                      | <b>Annual Plan (1979-80)</b> | <b>1216.87</b>         | <b>2265</b>  | <b>53.72</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                      | 2641.4                 | -            | -             |
|                                                | <b>Total :</b>               | <b><u>10605.84</u></b> | <b>14898</b> | <b>71.19</b>  |
| <b>7th Five Year Plan (1.4.85 to 31.03.90)</b> |                              |                        |              |               |
| 35                                             | 1985-86                      | 2977                   | -            | -             |
| 36                                             | 1986-87                      | 1920                   | -            | -             |
| 37                                             | 1987-88                      | 3912                   | -            | -             |
| 38                                             | 1988-89                      | 4117.3                 | -            | -             |
| 39                                             | 1989-90                      | 4167                   | -            | -             |
|                                                | <b>Total :</b>               | <b><u>17093.3</u></b>  | <b>15999</b> | <b>106.84</b> |

| Sl. No.                                          | Year           | Capacity Addition (MW) | Target (MW)    | % Achievement |
|--------------------------------------------------|----------------|------------------------|----------------|---------------|
| <b>Annual Plans (1990-91, 91-92)</b>             |                |                        |                |               |
| 40                                               | 1990-91        | 2364                   | 3962           | 59.67         |
| 41                                               | 1991-92        | 2370.5                 | 4512           | 52.54         |
| <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        | 963                    | -              | -             |
|                                                  | <b>Total :</b> | <b><u>13553.92</u></b> | <b>20156</b>   | <b>67.25</b>  |
| <b>9th Five Year Plan (1.4.97 to 31.03.2002)</b> |                |                        |                |               |
| 47                                               | 1997-98        | 2993.5                 | -              | -             |
| 48                                               | 1998-99        | 3724.5                 | -              | -             |
| 49                                               | 1999-2000      | 2696                   | -              | -             |
| 50                                               | 2000-01        | 2277.9                 | -              | -             |
| 51                                               | 2001-02        | 2009                   | -              | -             |
|                                                  | <b>Total :</b> | <b><u>13700.9</u></b>  | <b>29550.7</b> | <b>46.36</b>  |
| <b>10th Five Year Plan (1.4.02 to 31.03.07)</b>  |                |                        |                |               |
| 52                                               | 2002-03        | 2223.1                 | -              | -             |
| 53                                               | 2003-04        | 1361.6                 | -              | -             |
| 54                                               | 2004-05        | 2933.92                | -              | -             |
| 55                                               | 2005-06        | 1588.8                 | -              | -             |
| 56                                               | 2006-07        | 4006.8                 | -              | -             |
|                                                  | <b>Total :</b> | <b><u>12114.22</u></b> | <b>25416.2</b> | <b>47.66</b>  |
| <b>11th Five Year Plan (1.4.07 to 31.03.12)</b>  |                |                        |                |               |

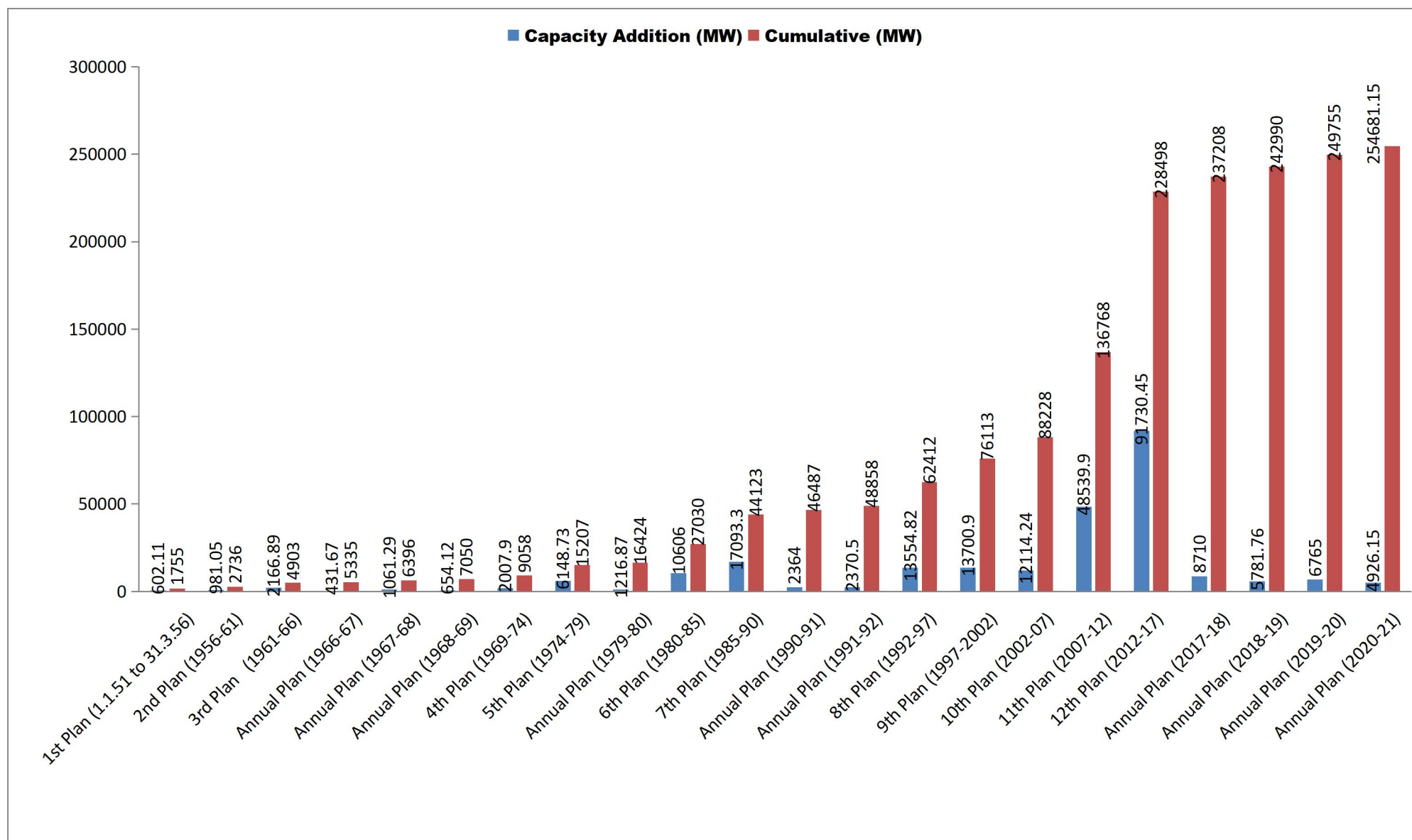
| Sl. No.                                           | Year           | Capacity Addition (MW) | Target (MW)     | % Achievement |
|---------------------------------------------------|----------------|------------------------|-----------------|---------------|
| 57                                                | 2007-08        | 6620                   | -               | -             |
| 58                                                | 2008-09        | 2484.7                 | -               | -             |
| 59                                                | 2009-10        | 9106                   | -               | -             |
| 60                                                | 2010-11        | 11250.5                | -               | -             |
| 61                                                | 2011-12        | 19078.7                | -               | -             |
|                                                   | <b>Total</b>   | <b><u>48539.9</u></b>  | <b>59693</b>    | <b>81.32</b>  |
| <b>12th Five Year Plan (01.04.12 to 31.03.17)</b> |                |                        |                 |               |
| 62                                                | 2012-13        | 20121.8                | 15154.3         | 132.78        |
| 63                                                | 2013-14        | 16767                  | 15234.3         | 110.06        |
| 64                                                | 2014-15        | 20830.3                | 14988.3         | 138.98        |
| 65                                                | 2015-16        | 22460.6                | 17346.1         | 129.49        |
| 65                                                | 2016-17        | 11550.75               | 13440.5         | 85.94         |
|                                                   | <b>Total</b>   | <b>91730.45</b>        | <b>76163.5</b>  | <b>120.44</b> |
| <b>Annual Plan (2017-18)</b>                      |                |                        |                 |               |
| <b>66</b>                                         | <b>2017-18</b> | <b>8710</b>            | <b>11366.15</b> | <b>76.63</b>  |
| <b>Annual Plan (2018-19)</b>                      |                |                        |                 |               |
| <b>67</b>                                         | <b>2018-19</b> | <b>5781.76</b>         | <b>7266.15</b>  | <b>79.57</b>  |
| <b>Annual Plan (2019-20)</b>                      |                |                        |                 |               |
| <b>68</b>                                         | <b>2019-20</b> | <b>6765</b>            | <b>10296.15</b> | <b>65.7</b>   |
| <b>Annual Plan (2020-21)</b>                      |                |                        |                 |               |
| <b>69</b>                                         | <b>2020-21</b> | <b>4926.15</b>         | <b>10591.15</b> | <b>46.51</b>  |

## 8.0 Thermal Generating Capacity in the Country since inception of 1<sup>st</sup> Five Year Plan :

| Plan/ Duration                | Capacity Addition (MW) | Cumulative (MW) |
|-------------------------------|------------------------|-----------------|
| 1st Plan (1.1.51 to 31.12.55) | 602.11                 | 1755            |
| 2nd Plan (1956-61)            | 981.05                 | 2736            |
| 3rd Plan (1961-66)            | 2166.89                | 4903            |
| Annual Plan (1966-67)         | 431.67                 | 5335            |
| Annual Plan (1967-68)         | 1061.29                | 6396            |
| Annual Plan (1968-69)         | 654.12                 | 7050            |
| 4th Plan (1969-74)            | 2007.9                 | 9058            |
| 5th Plan (1974-79)            | 6148.73                | 15207           |
| Annual Plan (1979-80)         | 1216.87                | 16424           |
| 6th Plan (1980-85)            | 10606                  | 27030           |
| 7th Plan (1985-90)            | 17093.3                | 44123           |
| Annual Plan (1990-91)         | 2364                   | 46487           |
| Annual Plan (1991-92)         | 2370.5                 | 48858           |
| 8th Plan (1992-97)            | 13553.92               | 62412           |
| 9th Plan (1997-2002)          | 13700.9                | 76113           |
| 10th Plan (2002-07)           | 12114.22               | 88227           |
| 11th Plan (2007-12)           | 48539.9                | 136767          |
| 12th Plan (2012-17)           | 91730.45               | 228498          |
| Annual Plan (2017-18)         | 8710                   | 237208          |
| Annual Plan (2018-19)         | 5781.76                | 242990          |
| Annual Plan (2019-20)         | 6765                   | 249755          |
| Annual Plan (2020-21)         | 4926.15                | 254681.15       |

## 8.1

## Plan-wise Growth of Thermal Capacity (up to 31.03.2021) :



# Review of Progress of Thermal Power Projects under execution in the Country

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174<sup>th</sup> Quarterly Review

(January- March 2021)

Thermal Project Monitoring Division  
Central Electricity Authority

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