

# BROAD STATUS REPORT OF UNDER CONSTRUCTION THERMAL POWER PROJECTS (JULY, 2024)



# **Thermal Project Monitoring Division**

Central Electricity Authority New Delhi

> Ministry of Power Government of India

> > www.cea.nic.in

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

# **FOREWORD**

As per clause 73(f) of the Electricity Act 2003, Central Electricity Authority is to "promote and assist in the timely completion of schemes and projects". The Thermal Project Monitoring (TPM) Division of CEA is entrusted with the responsibility of monitoring the progress of construction/erection activities of all the thermal power projects in the country till the units are commissioned. Visits are also made by CEA officers to the sites for assessing the on the spot progress of works and rendering the advice/assistance in solving the problems being faced by the project authorities, thereby helping the project authorities to avoid / minimize the time and cost overrunsof the thermal power projects.

In this context, Thermal Project Monitoring Division, Central Electricity Authority has been bringing out the monthly report titled "Broad Status of Thermal Power Projects in the Country". This report gives year-wise details of thermal power projects commissioned during the last five years. Further, the Report includes up-to- date information on thermal power projects under construction in the country wherein the details regarding name of the Project, capacity, location, implementing agency, commissioning schedule, type of fuel, estimated cost, physical and financial progress, the milestones achieved as on date etc. are available. The critical issues requiring immediate attention of concerned authorities in the implementation of these thermal power projects have also been highlighted.

The Broad Status Report is being brought out regularly by TPM Division on the basis of the data forwarded by various project authorities, visits made by CEA officers to various power projects, discussions held with the executing agencies and suppliers of equipment from time to time.

CEA welcomes feedback for further improvement in the Broad Status Report.

Chief Engineer (TPM)

This report is based on the details received from various project authorities & other organizations / agencies associated with the projects and is for information and non-commercial use only. CEA is not responsible for the contents or reliability of other websites to which CEA provides a link and do not necessarily endorse the views expressed by them.

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# **EXECUTIVE SUMMARY**

I. All India Installed Capacity (MW)\*

|                  |        |         | Thermal |            |        | Nuclear | Hydro  | RES    | Grand   |
|------------------|--------|---------|---------|------------|--------|---------|--------|--------|---------|
| Sector           | Coal   | Lignite | Gas     | Gas Diesel |        | Nuclear | пушо   | KES    | total   |
| State            | 69978  | 1150    | 7012    | 280        | 78420  | 0       | 27254  | 2569   | 108243  |
| Private          | 72972  | 1830    | 10568   | 309        | 85679  | 0       | 3931   | 146075 | 235686  |
| Central          | 68020  | 3640    | 7238    | 0          | 78898  | 8180    | 15743  | 1632   | 104453  |
| Total            | 210970 | 6620    | 24818   | 589        | 242997 | 8180    | 46928  | 150276 | 448381  |
| % of Grand Total | 47.05% | 1.48%   | 5.54%   | 0.13%      | 54.19% | 1.82%   | 10.47% | 33.52% | 100.00% |

<sup>\*</sup>Compiled from Installed Capacity Report on CEA's website (as on 31.07.2024).

# II. Tentative Year-wise Target of Thermal Capacity to be included into National Capacity:

(as on 31.07.2024)

| FY      | 2024-25 | 2025-26 | 2026-27 | 2027-28 | 2028-29 | 2029-30 | Total<br>(MW) |
|---------|---------|---------|---------|---------|---------|---------|---------------|
| Central | 6740    | 1600    | 0       | 2120    | 2400    | 2400    | 15260         |
| State   | 7960    | 1460    | 1320    | 0       | 0       | 800     | 11540         |
| Private | 0       | 0       | 800     | 800     | 0       | 0       | 1600          |
| Total   | 14700   | 3060    | 2120    | 2920    | 2400    | 3200    | 28400*        |

<sup>\*</sup>Yelahanka CCPP (370 MW), Uppur SCTPP (2x800 MW) and Ennore Exp TPP (1x660 MW) have not been included in this capacity.

# III. Details of Technology wise Under Construction TPPs (excluding stressed TPPs ) in the country:

(as on 31.07.2024)

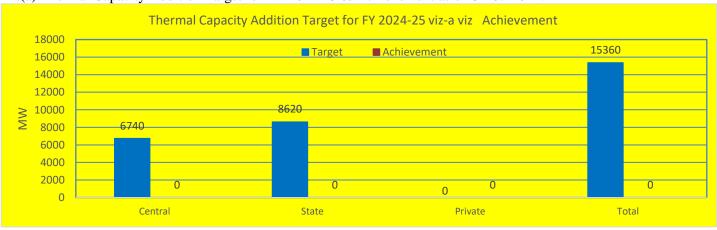
|         | Super Critical  | #        | Sub-Critical    |          | Total           |          |  |
|---------|-----------------|----------|-----------------|----------|-----------------|----------|--|
| Sector  | No. of Projects | Capacity | No. of Projects | Capacity | No. of Projects | Capacity |  |
|         | [Units]         | (MW)     | [Units]         | (MW)     | [Units]         | (MW)     |  |
| Central | 10 [21]         | 15260    | 0               | 0        | 10 [21]         | 15260    |  |
| State   | 12 [19]         | 13800    | 1 [1]           | 370      | 13 [20]         | 14170    |  |
| Private | 1 [2]           | 1600     | 0               | 0        | 1 [2]           | 1600     |  |
| Total   | 23 [42]         | 30660    | 1 [1]           | 370      | 24 [43]         | 31030    |  |

<sup>#</sup> Out of the 23 Supercritical TPPs, 10 projects (19 units) of total capacity 14360 MW are based on Ultra Super critical technology.

IV. Sector-wise Thermal Capacity Addition during last five years:

|         | FY:20  | )19-20           | FY:20  | )20-21           | FY:20  | )21-22           | FY:20  | )22-23           | FY:2023-24 |                  |  |
|---------|--------|------------------|--------|------------------|--------|------------------|--------|------------------|------------|------------------|--|
| Sector  | Target | Achieve-<br>ment | Target | Achieve-<br>ment | Target | Achieve-<br>ment | Target | Achieve-<br>ment | Target     | Achieve-<br>ment |  |
| Central | 6040   | 3940             | 5790   | 4080             | 5400   | 2370             | 3580   | 660              | 6880       | 2920             |  |
| State   | 4256   | 2780             | 4276   | 846              | 4360   | 1590             | 2770   | 800              | 7820       | 2120             |  |
| Private | Nil    | 45               | 525    | 0                | 525    | 525              | 0      | 0                | 0          | 364              |  |
| Total   | 10296  | 6765             | 10591  | 4926             | 10285  | 4485             | 6350   | 1460             | 14700      | 5404             |  |

# V.(a) Thermal Capacity Addition Target for FY 2024-25 & Achievement as on 31-07-2024:



<sup>[ 6</sup> projects (14 units) in Central sector of capacity 10640 MW,

<sup>[ 3</sup> projects (3 units) in State sector of capacity 2120 MW and

<sup>[ 1</sup> project (2 units) in Private sector of capacity 1600 MW]. The details of these projects are given in Table 1.2

# V.(b) Month-wise Thermal Capacity Addition upto July-2024 (FY 2024-25):



# 1.1 Tentative Thermal Capacity Addition Program and Actual Achievement for FY 2024-25:

(as on 31.07.2024)

|           | (as on 31.0                 | 7.2024)                |                  |                                       |            |                              |  |  |                              |                                  |
|-----------|-----------------------------|------------------------|------------------|---------------------------------------|------------|------------------------------|--|--|------------------------------|----------------------------------|
| S.<br>No. | Project<br>Name             | Implementing<br>Agency | State            | Boiler (SG) &<br>Turbine(TG)<br>Make  | Unit<br>No | Targeted<br>Capacity<br>(MW) | Anticipated<br>Trial Run<br>(as on 01-04-<br>2024) | Trial Run Assessment as per latest review by CEA | Capacity<br>Achieved<br>(MW) | Actual Date of Capacity Addition |
| CENT      | TRAL SECTOR                 |                        |                  |                                       |            |                              |  |  |                              |                                  |
| 1         | Ghatampur<br>TPP            | NUPPL                  | Uttar<br>Pradesh | SG-L&T-MHI  <br>TG-GE                 | U-1        | 660                          | Jun-2024   | Sep-2024   |                              |                                  |
| 2         | Buxar TPP                   | SJVN                   | Bihar            | SG-L&T (EPC)  <br>TG-L&T (EPC)        | U-1        | 660                          | Sep-2024   | Dec-2024   |                              |                                  |
| 3         | Khurja SCTPP                | THDC                   | Uttar<br>Pradesh | SG-L&T-MHI  <br>TG-BHEL               | U-1        | 660                          | Sep-2024 Oct-2024                                  |  |                              |                                  |
| 4         | Barh STPP St-I              | NTPC                   | Bihar            | SG-TPE/DPSI  <br>TG-Power<br>Machines | U-3        | 660                          | Nov-2024   | Jan-2025   |                              |                                  |
| 5         | Ghatampur<br>TPP            | NUPPL                  | Uttar<br>Pradesh | SG-L&T-MHI  <br>TG-GE                 | U-2        | 660                          | Nov-2024   | Dec-2024   |                              |                                  |
| 6         | Buxar TPP                   | SJVN                   | Bihar            | SG-L&T (EPC)  <br>TG-L&T (EPC)        | U-2        | 660                          | Dec-2024   | Mar-2025   |                              |                                  |
| 7         | North<br>Karanpura<br>STPP  | NTPC                   | Jharkhand        | SG-BHEL (EPC)  <br>TG-BHEL (EPC)      | U-3        | 660                          | Dec-2024   | Jan-2025   |                              |                                  |
| 8         | Patratu STPP                | PVUNL                  | Jharkhand        | SG-BHEL (EPC)  <br>TG-BHEL (EPC)      | U-1        | 800                          | Dec-2024   | Dec-2024   |                              |                                  |
| 9         | Khurja SCTPP                | THDC                   | Uttar<br>Pradesh | SG-L&T-MHI  <br>TG-BHEL               | U-2        | 660                          | Dec-2024   | Dec-2024   |                              |                                  |
| 10        | Ghatampur<br>TPP            | NUPPL                  | Uttar<br>Pradesh | SG-L&T-MHI  <br>TG-GE                 | U-3        | 660                          | Mar-2025   | Mar-2025   |                              |                                  |
|           | Total (Centra               | l Sector)              |                  | No. of Units: 10                      |            | 6740                         | 6740 (10)  |  | 0                            |                                  |
| STAT      | TE SECTOR                   |                        |                  |                                       |            |                              |  |  |                              |                                  |
| 11        | North Chennai<br>TPP St-III | TANGEDCO               | Tamil Nadu       | SG-BHEL   TG-<br>BHEL                 | U-1        | 800                          | May-2024   | Aug-2024   |                              |                                  |
| 12        | Jawaharpur<br>STPP          | UPRVUNL                | Uttar<br>Pradesh | SG-DPSI (EPC)  <br>TG-DPSI (EPC)      | U-2        | 660                          | Jun-2024 Sep-2024                                  |  |                              |                                  |
| 13        | Obra-C STPP                 | UPRVUNL                | Uttar<br>Pradesh | SG-DPSI (EPC)  <br>TG-DPSI (EPC)      | U-2        | 660                          | Jul-2024   | Nov-2024   |                              |                                  |
| 14        | Bhusawal TPS                | MAHAGENCO              | Maharashtra      | SG-BHEL (EPC)  <br>TG-BHEL (EPC)      | U-6        | 660                          | Sep-2024   | Oct-2024   |                              |                                  |
| 15        | Panki TPS<br>Extn.          | UPRVUNL                | Uttar<br>Pradesh | SG-BHEL (EPC)  <br>TG-BHEL (EPC)      | U-1        | 660                          | Sep-2024   | Nov-2024   |                              |                                  |
| 16        | Yadadri TPS                 | TSGENCO                | Telangana        | SG-BHEL (EPC)  <br>TG-BHEL (EPC)      | U-1        | 800                          | Sep-2024   | Oct-2024   |                              |                                  |
| 17        | Yadadri TPS                 | TSGENCO                | Telangana        | SG-BHEL (EPC)  <br>TG-BHEL (EPC)      | U-2        | 800                          | Sep-2024   | Oct-2024   |                              |                                  |
| 18        | Udangudi<br>STPP St-I       | TANGEDCO               | Tamil Nadu       | SG-BHEL (EPC)  <br>TG-BHEL (EPC)      | U-1        | 660                          | Oct-2024   | Mar-2025   |                              |                                  |
| 19        | Yadadri TPS                 | TSGENCO                | Telangana        | SG-BHEL (EPC)  <br>TG-BHEL (EPC)      | U-3        | 800                          | Dec-2024   | Feb-2025   |                              |                                  |
| 20        | Sagardighi TPP<br>St-III    | WBPDCL                 | West<br>Bengal   | SG-BHEL (EPC)  <br>TG-BHEL (EPC)      | U-5        | 660                          | Jan-2025   | Mar-2025   |                              |                                  |
| 21        | Udangudi<br>STPP St-I       | TANGEDCO               | Tamil Nadu       | SG-BHEL (EPC)  <br>TG-BHEL (EPC)      | U-2        | 660                          | Feb-2025   | May-2025   |                              | Slipped                          |
| 22        | Yadadri TPS                 | TSGENCO                | Telangana        | SG-BHEL (EPC)  <br>TG-BHEL (EPC)      | 800        | Feb-2025                     | Mar-2025   |  |                              |                                  |
|           | Total (State                | Sector)                |                  | No. of Units: 12                      |            | 8620                         | 8620 (12)  |  | 0                            |                                  |
|           | Total Targeted              | l Capacity             | N                | o. of Units : 22                      |            | 15360*                       | 15360 (22)   |  | 0                            |                                  |
|           |                             |                        |                  |                                       |            |                              |  |  |                              |                                  |

<sup>\*</sup>Yelahanka CCPP (KPCL) (370 MW) has not been included in this capacity. It has been constructed and its trial run is pending due to non-availability of gas from M/s GAIL (Anticipated in August.-2024)

# 1.2 Under Construction Thermal Power Projects in the Country:

(as on 31.07.2024)

|        |                             |                           |                        |                  |                             |                                |                  |                   |                   |                            |                                    |                          | (as or                   | 131.07.             | 2024)              |
|--------|-----------------------------|---------------------------|------------------------|------------------|-----------------------------|--------------------------------|------------------|-------------------|-------------------|----------------------------|------------------------------------|--------------------------|--------------------------|---------------------|--------------------|
| S.No.  | Project Name                | State                     | Implementing<br>Agency | Boiler           | Turbine                     | Technology                     | LOA Date         | Unit<br>No        | Cap.<br>(MW)      | Org Trial<br>Run           | Anticipated Trial Run (as per CEA) | Physical<br>Progress (%) | Original<br>Cost<br>(cr) | Latest<br>Cost (cr) | Total<br>Exp. (cr) |
| CENTR  | AL SECTOR                   |                           |                        |                  |                             |                                |                  |                   |                   |                            |                                    |                          |                          |                     |                    |
| 1      | Barh STPP St-I              | Bihar                     | NTPC                   | Doosan           | Power<br>Machine,<br>Russia | Supercritical                  | Mar-05           | U-3               | 660               | Oct-11                     | Jan-25                             | 92%                      | 8693                     | 21607               | 21607              |
| 2      | Buxar TPP                   | Bihar                     | SJVN                   | L&T              | L&T                         | Supercritical                  | Jun-19           | U-1<br>U-2        | 660<br>660        | May-23<br>Sep-23           | Dec-24<br>Mar-25                   | 94%<br>85%               | 10439                    | 10439               | 9711               |
| 3      | Lara STPP St-II             | Chhattisgarh              | NTPC                   | BHEL             | BHEL                        | Ultra-<br>Supercritical        | Aug-23           | U-1<br>U-2        | 800<br>800        | Dec-27<br>Jun-28           | Dec-27<br>Jun-28                   | 0%<br>0%                 | 15530                    | 15530               | 913                |
| 4      | North Karanpura<br>STPP     | Jharkhand                 | NTPC                   | BHEL             | BHEL                        | Supercritical                  | Feb-14           | U-3               | 660               | Jun-19                     | Jan-25                             | 91%                      | 14367                    | 16243               | 15657              |
| 5      | Patratu STPP                | Jharkhand                 | PVUNL                  | BHEL             | BHEL                        | Ultra-<br>Supercritical        | Mar-18           | U-1<br>U-2<br>U-3 | 800<br>800<br>800 | Jan-22<br>Jul-22<br>Jan-23 | Dec-24<br>Sep-25<br>Nov-25         | 73%<br>67%<br>53%        | 17112                    | 18668               | 14095              |
| 6      | Singrauli STPP,<br>St-III   | Madhya<br>Pradesh         | NTPC                   | BHEL             | BHEL                        | Ultra-<br>Supercritical        | Mar-24           | U-1<br>U-2        | 800<br>800        | May-29<br>Feb-30           | May-29<br>Nov-29                   | 0%<br>0%                 | 17195                    | 17195               | 577                |
| 7      | Talcher TPP St-III          | Odisha                    | NTPC                   | BHEL             | BHEL                        | Ultra-<br>Supercritical        | Sep-22           | U-1<br>U-2        | 660               | Nov-26<br>May-27           | Sep-27<br>Dec-27                   | 27%<br>21%               | 11844                    | 11844               | 1749               |
| 8      | NLC Talabira<br>TPP         | Odisha                    | NLC                    | BHEL             | BHEL                        | Ultra-<br>Supercritical        | Jan-24           | U-1<br>U-2<br>U-3 | 800<br>800<br>800 | May-28<br>Nov-28<br>Apr-29 | May-28<br>Nov-28<br>Apr-29         | 0%<br>0%<br>0%           | 19422                    | 27213               | 961                |
| 9      | Ghatampur TPP               | Uttar<br>Pradesh          | NUPPL                  | L&T<br>MHPS      | GE Power<br>system          | Supercritical                  | Aug-16           | U-1<br>U-2<br>U-3 | 660<br>660<br>660 | May-20<br>Nov-20<br>May-21 | Sep-24<br>Dec-24<br>Mar-25         | 93%<br>85%<br>77%        | 17238                    | 19406               | 17662              |
| 10     | Khurja SCTPP                | Uttar<br>Pradesh          | THDC                   | L&T<br>MHI       | BHEL                        | Ultra-<br>Supercritical        | Aug-19           | U-1<br>U-2        | 660               | Jul-23<br>Jan-24           | Oct-24<br>Dec-24                   | 87%<br>78%               | 11089                    | 11089               | 10942              |
|        | I                           |                           |                        |                  | I                           | T T                            | Total Centra     |                   | 15260             |                            |                                    |                          | 142930                   | 169234              | 93874              |
| STATE  | SECTOR                      |                           |                        |                  |                             |                                |                  |                   |                   |                            |                                    |                          |                          |                     |                    |
| 1      | Jawaharpur STPP             | Uttar<br>Pradesh          | UPRVUNL                | Doosan           | Doosan                      | Ultra-<br>Supercritical        | Dec-16           | U-2               | 660               | Apr-21                     | Sep-24                             | 92%                      | 10566                    | 14628               | 12705              |
| 2      | Obra-C STPP                 | Uttar<br>Pradesh          | UPRVUNL                | Doosan<br>India  | Doosan India<br>(GE)        | Ultra-<br>Supercritical        | Dec-16           | U-2               | 660               | Apr-21                     | Nov-24                             | 87%                      | 8778                     | 11706               | 10896              |
| 3      | Panki TPS Extn.             | Uttar<br>Pradesh          | UPRVUNL                | BHEL             | BHEL                        | Supercritical                  | Mar-18           | U-1<br>U-1        | 660<br>660        | Sep-21<br>Jan-18           | Nov-24<br>Sep-26                   | 82%<br>75%               | 5817                     | 6729                | 5931               |
| 4      | Ennore SCTPP  North Chennai | Tamil Nadu                | TANGEDCO               | BHEL             | BHEL                        | Supercritical                  | Sep-14           | U-2               | 660               | Mar-18                     | Nov-26                             | 70%                      | 9800                     | 16444               | 10201              |
| 5      | TPP St-III Udangudi STPP    | Tamil Nadu                | TANGEDCO               | BHEL             | BHEL                        | Supercritical                  | Jan-16           | U-1<br>U-1        | 800<br>660        | Oct-19<br>Jan-21           | Aug-24<br>Mar-25                   | 96%<br>86%               | 6376                     | 10158               | 9013               |
| 6<br>7 | St-I<br>Bhusawal TPS        | Tamil Nadu<br>Maharashtra | TANGEDCO<br>MAHAGENCO  | BHEL             | BHEL<br>BHEL                | Supercritical<br>Supercritical | Dec-17<br>Jan-18 | U-2<br>U-6        | 660               | Mar-21<br>May-22           | May-25<br>Oct-24                   | 84%<br>97%               | 13077<br>4548            | 13077<br>6350       | 10647<br>4660      |
|        | Sagardighi TPP              | West                      |                        |                  |                             | *                              |                  |                   |                   |                            |                                    |                          |                          |                     |                    |
| 8      | St-III                      | Bengal                    | WBPDCL                 | BHEL             | BHEL                        | Supercritical                  | Dec-18           | U-5<br>U-1        | 660<br>800        | Jan-24<br>Oct-21           | Mar-25<br>Oct-24                   | 77%<br>91%               | 3863                     | 4567                | 2198               |
|        |                             |                           |                        |                  |                             |                                |                  | U-2               | 800               | Oct-21                     | Oct-24                             | 92%                      |                          |                     |                    |
| 9      | Yadadri TPS                 | Telangana                 | TSGENCO                | BHEL             | BHEL                        | Supercritical                  | Oct-17           | U-3               | 800               | Jun-22                     | Feb-25                             | 88%                      | 29965                    | 34543               | 27486              |
|        |                             |                           |                        |                  |                             | *                              |                  | U-4<br>U-5        | 800<br>800        | Jun-22<br>Oct-22           | Mar-25<br>Apr-25                   | 89%<br>85%               |                          |                     |                    |
| 10     | DCRTPP Extn.                | Haryana                   | HPGCL                  | BHEL             | BHEL                        | Ultra-<br>Supercritical        | Feb-24           | U-3               | 800               | Sep-29                     | Sep-29                             | 0%                       | 6900                     | 6900                | 1                  |
| DD W   | nn an aman                  |                           |                        |                  |                             |                                | Total Stat       | e Sector          | 11540             |                            |                                    |                          | 99689                    | 125102              | 93739              |
| PRIVA  | TE SECTOR                   | Modhuo                    | Mohon Enone : :        | DHEL             | DITEI                       | Tiltuo                         | I                | II 1              | 800               | Nov. 26                    | Dag 26                             | 120/                     |                          |                     |                    |
| 1      | Mahan STPP                  | Madhya<br>Pradesh         | Mahan Energen<br>Ltd   | BHEL<br>(Supply) | BHEL<br>(Supply)            | Ultra-<br>Supercritical        | Aug-23           | U-1<br>U-2        | 800               | Nov-26<br>May-27           | Dec-26<br>May-27                   | 13%<br>10%               | 12439                    | 12439               | 977                |
|        |                             |                           |                        | · 11 2/          |                             |                                | Total Privat     |                   | 1600              |                            |                                    |                          | 12439                    | 12439               | 977                |
|        |                             |                           |                        |                  |                             |                                | Gran             | d Total           | 28400             |                            |                                    |                          | 255058                   | 306776              | 188591             |
|        |                             |                           |                        |                  |                             |                                |                  |                   |                   |                            |                                    |                          |                          |                     |                    |

| S.<br>No | State            | Project Name / Impl.<br>Agency/ EPC or BTG                                       | LOA<br>Date/<br>ordered<br>date | Unit No     | Cap. (MW) | Org.<br>Comm.<br>Sched. | Present Status/Remarks   | Original<br>Cost | Latest<br>Cost (cr) | Exp. (cr) | Exp Till<br>Date |
|----------|------------------|--|---------------------------------|-------------|-----------|-------------------------|--|------------------|---------------------|-----------|------------------|
| CEN      | ITRAL SECT       | OR .   | date                            |             |           | Sched.                  |  |                  |                     |           |                  |
| 1        | Rajasthan        | Barsingar TPP<br>ext/NLC/Reliance<br>Infra/Chinese                               | Nov-16                          | U-1         | 250       | May-20                  | Project was held up due to withdrawal of PPA by DISCOM (Rajasthan), due to land issue in linked mines and consequently higher tariff. On 04-08-2022, a meeting was held (Additional Secretary-Coal, GoI along with NLCIL Directors met Chief Secretary-GoR and Principal Secretary-Energy) and it was jointly decided not to pursue with the Barsingsar TPS Extension project (1X250 MW) along with Hadla Mine.  | 2112.59          | 2112.59             | 158.25    | Jan- 21          |
| 2        | Rajasthan        | Bithnok TPP /NLC/Reliance Infra/ Chinese   | Nov-16                          | U-1         | 250       | May-20                  | Project was held up due to withdrawal of PPA by DISCOM(Rajasthan) due to increased project cost and time over run. On 04-08-2022 a meeting was held (Additional Secretary-Coal, GoI along with NLCIL Directors met Chie Secretary-GoR and Principal Secretary-Energy) to revive the Bithnok TPS Based on the decision, a consultant was appointed to prepare feasibility. Further, as per the discussions held with Rajasthan government officials, it has been agreed that NLC and GoR will jointly work to revive the Bithnok Thermal Power Project along with Bithnok Mines. The consultant has prepared the feasibility report for revival of the project and the same is under "scrutiny and approval". | 2196.3           | 2196.3              | 173.82    | Jan- 21          |
|          | TOTAL CEN        | TRAL SECTOR [No. of Project  | ets: 2, No. o                   | f Units: 2] | 500       |                         |  |                  |                     |           |                  |
| PRI      | VATE SECT        | OR   |                                 |             |           |                         |  |                  |                     |           |                  |
| 1        | Andhra           | Bhavanapadu TPP Ph-I / East<br>Coast Energy Ltd. / BTG DEC                       | Sep-09                          | U-1         | 660       | Oct-13                  | Liquidation Order date 22/04/2019. Liquidator has partially sold the assets(P&M) of the company on a standalone basis through e-auction. Further the liquidator has also sold the Land including buildings at the Plant Site on 9th  | 6571.94          | 9343.15             | 3785.6    | Jan- 16          |
|          | Pradesh          | china  | Sep-09                          | U-2         | 660       | Mar-14                  | Feb 2023.  | 0371.94          | 7343.13             | 3783.0    | Jan- 10          |
|          | Andhra           | Thamminapatnam TPP, St-II /<br>Meenakshi Energy Pvt.Ltd.                         | Dec-09                          | U-3         | 350       | May-12                  | Vedanta Ltd. Has bought this plant under NCLT route. The project is likely to be commissioned during 2024-25. (U#1: Sep-2024, U#2: Oct-2024)   |                  |                     |           |                  |
| 2        | Pradesh          | SG-Cether vessels TG- Chinese  | Dec-09                          | U-4         | 350       | Aug-12                  | 1  |                  | 5414.4              | 5414.4    | Feb- 19          |
|          |                  |  | Mar-11                          | U-1         | 660       | Aug-14                  | Liquidation Order date 17.07.2020; The Enforcement directorate has attached the  |                  |                     |           |                  |
| 3        | Bihar            | Siriya TPP (Jas Infra. TPP) /<br>JICPL BTG-DEC                                   | Mar-11                          | U-2         | 660       | Dec-14                  | assets of the corporate debtor and as a result of which the auction of the assets are<br>kept on hold.   | 11120            | 11120               | NA        | NA               |
| ,        | Diller           | China  | Mar-11                          | U-3         | 660       | Apr-15                  |  | 11120            | 11120               | 11        | 1,11             |
|          |                  |  | Mar-11                          | U-4         | 660       | Aug-15                  |  |                  |                     |           |                  |
|          |                  | Akaltara TPP (Naiyara) / KSK   | Apr-09                          | U-4         | 600       | Apr-13                  | CIRP commenced on 3rd October 2019 & currently under NCLT.   |                  |                     |           |                  |
| 4        | Chhattisgarh     | Mahandi Power Company Ltd./<br>Boiler- SEPCO CHINA                               | Apr-09                          | U-5         | 600       | Aug-13                  | PPL and REC have submitted EOI on 21-7-2023 and shortlisted as PRAs.   | 16190            | 27080               | 18730     | Dec- 16          |
|          |                  | (Shanhai china) / TG- SEPCO (<br>Dongfong china)                                 | Apr-09                          | U-6         | 600       | Dec-13                  |  |                  |                     |           |                  |
|          |                  | Binjkote TPP/ SKS Power  | Mar-11                          | U-3         | 300       | Mar-14                  | Reworked bids (seven) received from the Resolution Applicants  |                  |                     |           |                  |
| 5        | Chhattisgarh     | Generation (Chhattisgarh) Ltd.<br>Boiler-Cethar Vessels<br>/Turbine-Harbin China | Mar-11                          | U-4         | 300       | Jun-14                  | Voting is completed. Plan submitted by Sarda Energy & Minerals filed with NCLT for approval has been sent back by NCLT for reconsideration by CoC. The plant is likely to be revived by 2030-31.   | 5058             | 7940                | 3828      | Jun- 15          |
| 6        | Chhattisgarh     | Lanco Amarkantak TPP- II/  | Nov-09                          | U-3         | 660       | Jan-12                  | Adani Power Limited resolution plan submitted for NCLT approval on   | 6886             | 10815.24            | 9537.79   | Dec- 16          |
|          | C.mains gam      | LAP Pvt. Ltd. BTG-DEC china  | Nov-09                          | U-4         | 660       | Mar-12                  | 10.03.2024. NCLT approved the resolution plan.   | 0000             | 10015.2             | ,,,,,,    | 200 10           |
| 7        | Chhattisgarh     | Singhitarai TPP / Athena<br>Chhattisgarh Power Ltd. BTG                          | Dec-09                          | U-1         | 600       | Nov-14                  | Vedanta Ltd. has bought the power plant under liquidation. Plant is likely to be   | 6200             | 8443.79             | 6408.47   | May- 17          |
|          | , and the second | –DEC china   | Dec-09                          | U-2         | 600       | Feb-15                  | revived by FY 2030-31  |                  |                     |           |                  |
| 8        | Chhattisgarh     | Salora TPP / Vandana Vidyut/<br>Boiler- Cether Vessles /TG<br>Harbin China       | Sep-09                          | U-2         | 135       | Sep-11                  | The liquidator successfully sold the assets of corporate debtor as per provision of IBC, 2016.   | 1458.44          | 2386.89             | 2386.89   | Mar- 15          |
| 9        | Chhattisgarh     | Deveri (Visa) TPP / Visa<br>Power Ltd. BTG-BHEL                                  | Jun-10                          | U-1         | 600       | Aug-13                  | The liquidator has started the process of liquidating the company by selling the assets of the Corporate Debtor on piecemeal basis. BHEL claims certain unpaid lien on the assets available at the site of the Corporate Debtor and in this regard matter is still pending before the Supreme Court of India.  | 2618.7           | 3930                | 2077.23   | Nov- 15          |
| 10       | ,,               | Matrishri Usha TPP, Ph-I   | Dec-09                          | U-1         | 270       | Apr-12                  |  | 2000             | 2.20                | 2.20      | N                |
| 10       | Jharkhand        | / Corporate Power Ltd.<br>EPC-BHEL   | Dec-09                          | U-2         | 270       | May-12                  | The liquidator is making endeavor to sell the company as per provision of IBC,   | 2900             | 3120                | 3120      | Nov- 12          |
| 11       | Ilsendel ,       | Matrishri Usha TPP, Ph-II  | Mar-11                          | U-3         | 270       | Oct-12                  | 2016 and the regulation laid there in.   | 2102             | 2102                | 2207      | C. 10            |
| 11       | Jharkhand        | / Corporate Power Ltd.<br>EPC-BHEL   | Mar-11                          | U-4         | 270       | Jan-13                  |  | 3182             | 3182                | 2207      | Sep- 12          |
| 12       | Jharkhand        | Tori TPP, Ph-I / Essar   | Aug-08                          | U-1         | 600       | Jul-12                  |  | 5700             | 5700                | 4757.92   | Jun- 17          |
| 14       | Juan Khana       | PowerLtd. BTG- Harbin<br>China   | Aug-08                          | U-2         | 600       | Sep-12                  | the Liquidator has initiated the e-auction process for realizing the assets of the<br>Corporate Debtor and till date has sold around 15,000 MT of Fabricated Steel   | 3700             | 3700                | 7131.72   | Juli- 1/         |
| 13       | Jharkhand        | Tori TPP Ph-II / Essar Power<br>Ltd./ BTG- Harbin China                          | Feb-10                          | U-3         | 600       | Dec-15                  | Corporate Deotor and thi date has sold around 15,000 MT of Fabricated Steel Structure from the power plant   | 2500             | 2500                | 246.65    | Mar- 15          |
|          |                  |  | Oct-10                          | U-1         | 270       | Jul-14                  | Company has decided to drop Phase II due to following reasons:   |                  |                     |           |                  |
|          |                  |  | Oct-10                          | U-2         | 270       | Sep-14                  | a) no new Bids for Long Term PPAs have been coming up in the Market  |                  |                     |           |                  |

| S.<br>No | State   | Project Name / Impl.<br>Agency/ EPC or BTG   | LOA<br>Date/<br>ordered<br>date | Unit No | Cap. (MW) | Org.<br>Comm.<br>Sched. | Present Status/Remarks  | Original<br>Cost | Latest<br>Cost (cr) | Exp. (cr) | Exp Till<br>Date |
|----------|---|--|---------------------------------|---------|-----------|-------------------------|---|------------------|---------------------|-----------|------------------|
| 14       | Maharashtra   | Amravati TPP Ph-II / Ratan   | Oct-10                          | U-3     | 270       | Nov-14                  | since the last 5 years. b) the revised emission norms under the Environment (Protection)                                | 6646             | 6646                | 763.8     | Mar- 15          |
|          |   | India Power Pvt. Ltd. BTG-<br>BHEL   | Oct-10                          | U-4     | 270       | Jan-15                  | Amendment Rules, 2015 revising, inter alia, emission norms for thermal power  |                  |                     |           |                  |
|          |   |  | Oct-10                          | U-5     | 270       | Mar-15                  | plants., drastic changes in the design and equipment of Phase II was required to<br>be carried out.                     |                  |                     |           |                  |
|          |   |  | Nov-09                          | U-1     | 270       | Apr-13                  |   |                  |                     |           |                  |
|          |   | Nasik TPP Ph-II / Ratan India  | Nov-09                          | U-2     | 270       | Jun-13                  |   |                  |                     |           |                  |
|          | Maharashtra   | Nasik Power Pvt. Ltd. BTG-   | Nov-09                          | U-3     | 270       | Aug-13                  |   |                  |                     |           |                  |
| 15       |   | BHEL   | Nov-09                          | U-4     | 270       | Oct-13                  |   | 6789             | 6789                | 711.81    | Mar- 15          |
|          |   |  | Nov-09                          | U-5     | 270       | Dec-13                  |   |                  |                     |           |                  |
|          |   | Lanco Vidarbha TPP / LVP   | Nov-09                          | U-1     | 660       | Jul-14                  | Majority of Plant material has been auctioned and removed from site.  |                  |                     |           |                  |
| 16       | Maharashtra   | Pvt. Ltd. EPC-<br>LANCO/ Boiler- Dongfong<br>China / Turbine- Harbin china   | Nov-09                          | U-2     | 660       | Nov-14                  | 706 Acres of Land and approx. 4000 MT of material is yet to be auctioned as they were under Litigation.                 | 6936             | 10433               | 5338      | Apr- 17          |
| 17       | Milanda   | Bijora Ghanmukh TPP /<br>Jinbhuvish Power Generation   | Sep-11                          | U-1     | 300       | Dec-16                  | The coal linkage matter for this project is sub judice and once it is resolved,   | 2100             | 2450                | 422.27    | M. 15            |
| 17       | Maharashtra   | Pvt. Ltd.  | Sep-11                          | U-2     | 300       | Mar-17                  | developer will be looking for funding options and further process.  | 3189             | 3450                | 422.27    | Mar- 15          |
| 18       | Madhya<br>Pradesh                                   | Gorgi TPP / D.B. Power (MP)<br>Ltd. BTG- BHEL  | Mar-11                          | U-1     | 660       | Jun-13                  | The company has requested a COD extension with GoMP, and a revival will be planned accordingly on the final permission. |                  | 3941                | 475.79    | Sep- 15          |
| 19       | Odisha  | Utkal TPP (Odisha) / Ind Barath/BTG-Cethar Vessels   | May-09                          | U-2     | 350       | Dec-11                  | JSW Energy has bought the plant under NCLT route. U#2 is likely to be commissioned in Sept-2024 (2024-25).              | 3150             | 4254                | 4254      | Apr- 17          |
|          |   | KVK Nilanchal TPP/ KVK   | Nov-09                          | U-1     | 350       | Dec-11                  |   |                  |                     |           |                  |
| 20       | Odisha  | Nilanchal  | Nov-09                          | U-2     | 350       | Feb-12                  | Project sold to successful bidder M/s Padmaprabhu Commodity Trading Pvt Ltd   | 4990             | 6000                | 1708.36   | Mar- 15          |
|          |   | / BTG-Harbin China   | Nov-09                          | U-3     | 350       | Feb-12                  | in the E-auction held on 26th August 2022   |                  |                     |           |                  |
|          |   | Lanco Babandh TPP / LBP  | Nov-09                          | U-1     | 660       | Apr-13                  | the Liquidator has partially sold the assets of the company on a standalone basis                                       |                  |                     |           |                  |
| 21       | Odisha  | Ltd./ BTG- DEC<br>Chinese  | Nov-09                          | U-2     | 660       | Aug-13                  | the Exquidator has partiary sold the assets of the company on a standarone basis through e-auction dated 27.08.2021     | 6930             | 10430               | 7615      | Mar- 17          |
|          |   | Malibrahmani TPP /   | Jun-10                          | U-1     | 525       | Dec-12                  | Jindal Steel & Power has acquired the asset under liquidation;  |                  |                     |           |                  |
| 22       | Odisha  | Monnet Power Co.Ltd. /<br>BTG-BHEL   | Jun-10                          | U-2     | 525       | Feb-13                  | Plant is likely to be revived in FY 2024-25   | 5093             | 6330                | 5329.75   | Dec- 14          |
| 23       | Tamil Nadu  | Tuticorin TPP (Ind- Barath) /<br>IBPIL / BTG- Shangdong<br>China   | May-10                          | U-1     | 660       | May-12                  | Successful bidder has been identified. However, the Liquidation process has been stayed by the Hon'ble NCLAT.           | 3595             | 3595                | 2000      | May- 15          |
| 24       | West Bengal   | Hiranmaye Energy Ltd.<br>(IndiaPower corporation<br>(Haldia) TPP / Haldia<br>Energy Ltd / EPC- MEIL /<br>BTG-BHEL. | Sep-10                          | U-3     | 150       | May-16                  | Project is currently under hold   | 2656             | 3307                | 3263.05   | Oct- 17          |
| TOT      | AL PRIVATE  | SECTOR [No. of Projects:24, No.  | o. of Units:5                   | 1]      | 23055     |                         |   |                  |                     |           |                  |
|          | GRAND TOTAL [No. of Projects: 26, No. of Units: 53] |  |                                 |         | 23555     |                         |   |                  |                     |           |                  |

BARH STPP St-I, Unit# 1, 2 & 3 (3x660 MW) / NTPC (CENTRAL SECTOR)

NTPC Barh Super Thermal Power Station, Barh, Distt – Patna, Bihar – 803215 E-Gen Portal Registration No. (U#1 - 1200002610; U#2 - 1200002611; U#3 - 1200002612 )

|                             | per / Implementing Agenc  | <u> </u>       | (U#1 - 1200002610; U#2 - 1200002611; U#3 - 1200002612 )  Main Plant Vendor : SG-Ms/TPE/DPSI, TG: Power Machines |          |                                    |                |  |  |  |
|-----------------------------|---|----------------|---|----------|------------------------------------|----------------|--|--|--|
| Unit No.                    | NTPC  | OA             |   |          |                                    |                |  |  |  |
| Unit#1                      | L   | JA             | Original Trial Run<br>Feb-2010  | Date     | Anticipated / Actual 30-Oct-2021 ( | Trial Run Date |  |  |  |
| Unit#2                      | Mor   | -2005          | Dec-2010  |          | 30-Jun-2023 (A                     | ,              |  |  |  |
| Unit#3                      | IVIAI   | -2003          | Oct-2011  |          | Jan-2025                           | 1)             |  |  |  |
|                             | CLEARANCES AND ST   | CATIC DAT      |   | FINA     | NCIAL DATA (Fig. in F              | e Crora)       |  |  |  |
| FUEL TYPE                   | Coal, Indigenous, Non-pit h   |                | A   |          | L ESTIMATED COST                   | s. Clule)      |  |  |  |
| COAL COMBUSTION             | Coar, margenous, rvon-pit i   | ieau           |   | OF THE I |                                    | 8693.00        |  |  |  |
| TECHNOLOGY                  | Supercritical   |                |   | OF THE I | ROJECT                             |                |  |  |  |
| APPROVAL DATE / NTP         | Eab 2005  |                |   | LATEST   | ESTIMATED COST                     | 22228.28       |  |  |  |
| AFFROVAL DATE / NTF         |   | io on 14 02 20 | 05. Boiler: Awarded to TPE  | DATEO    | ETNIANCIAI                         |                |  |  |  |
| EPC/BTG/BoP Contractor      | on 14.03.2005, contract terr  | ninated on 14. | .01.2015; Balance work  | CLOSUR   | FFINANCIAL<br>E                    | 21.02.2005     |  |  |  |
| Details (Package Wise)      | awarded to DPSI on 30.01<br>(replacement of DI 59 coils                                   |                | • •   | Ŋ        | YEAR WISE EXPENDIT                 | URE            |  |  |  |
|                             |   |                |   |          | 2010-11                            | 921.81         |  |  |  |
| PPA                         | Bihar (incl. Home state shar<br>Orissa: 418 MW, Sikkim: 3                                 |                |   |          | 2011-12                            | 1286.25        |  |  |  |
|                             |   |                |   | 2012-13  | 1384.43                            |                |  |  |  |
| COAL LINKAGE/FSA            | Letter of Assurance dtd. 18.<br>coal for 03 Units. FSA of U<br>CCL(all operative mines, G |                |   | 2013-14  | 1581.22                            |                |  |  |  |
|                             | FSA of Unit-2 & 3 to be sig<br>1A(i)of SHAKTI-2017 poli                                   | ned after com  |   |          | 2014-15                            | 568.49         |  |  |  |
| START UP POWER              | Done with PGCIL on 27.01  |                | kV D/C LILO of  |          | 2015-16                            | 1143.46        |  |  |  |
| AGREEMENT                   | Kahalgaon-Patna, Barh-Pat   | na & Barh-Go   |   |          | 2016-17                            | 1410.21        |  |  |  |
|                             | Tx Line Developer   | PGCIL          |   |          | 2017-18                            | 1389.43        |  |  |  |
| POWER EVACUATION<br>SYSTEM  | Tx Line Name<br>Tx Voltage Level  |                | halgaon – Patna 400 kV D/C<br>t Barh (NTPC) switchyard.   |          | 2018-19                            | 1453.89        |  |  |  |
|                             | Configuration of Tx Line  | D/C            |   |          | 2019-20                            | 1502.47        |  |  |  |
| LAND POSSESSION             | (S/C or D/C)  Required – 3212 Acres, Un-  |                | n = 3212 Acres  |          | 2020-21                            | 1123.15        |  |  |  |
| WATER ALLOCATION            | 100 Cusec from River Gang   |                | 3212 Acres  |          | 2021-22                            | 1185.00        |  |  |  |
|                             |   | ges            |   |          | 2022-23                            | 2284.00        |  |  |  |
| MOEF CLEARANCE              | 11.09.2001  |                |   |          | 2023-24                            | 1322.27        |  |  |  |
| CIVIL AVIATION<br>CLEARANCE | 09.08.2004  |                |   | EXPEN    | NDITURE OF Jul'2024                | 34.72          |  |  |  |
| CPCB CLEARANCE              | Not Applicable  |                |   |          | AL EXPENDITURE                     | 21607.05       |  |  |  |
| SPCB CLEARANCE              | Consent to Operate (Emissi 04.07.2017, For Unit#1, and                                    | _              | - ·   | (1       | upto 31.07.2024)                   |                |  |  |  |
| FOREST CLEARANCE            | Not Applicable  |                |   |          |                                    |                |  |  |  |

|     | BARH STPP St-I, Unit# 1, 2 & 3 (3x660 MW)    |                    |               |                     |               |         |                       |        |                        |                           |                 |                 |                          |                             |              |                |                |
|-----|--|--------------------|---------------|---------------------|---------------|---------|-----------------------|--------|------------------------|---------------------------|-----------------|-----------------|--------------------------|-----------------------------|--------------|----------------|----------------|
|     | UNIT WISE MILESTONES ( A                     |                    |               |                     | STATUS        | OF MAIN | PLANT                 | PACKAG | E (BTG) /              | SG - DPS                  | I, TG - Power I | Machine, Russi  | a                        |                             |              |                |                |
|     |  | UN                 | IT-01         | UNI                 | IT-02         | UNI     | T-03                  | CI     | D 1                    |                           |                 | A.D.            | г.                       |                             | UNIT-01      | UNIT-02        | UNIT-03        |
|     |  |                    | Actual /      |                     | Actual /      |         | Actual /              | S1.    | Packages               | 3                         |                 | AR              | EA                       |                             | % Completion | % Completion   | % Completion   |
| G1  | MILEGRONE                                    | Original           | Anticipat     | Original            |               | -       |                       |        |                        |                           | CIVIL           |                 |                          |                             |              |                | 94%            |
| S1. | MILESTONE                                    | Date of<br>Complet | ed Date<br>of | Date of<br>Completi | ed Date<br>of | Date of | Date of<br>Completion | 1      | BOILER                 |                           | STRUCTU         | RE              |                          |                             | 100%         | 100%           | 87%            |
|     |  | on                 | Completi      | on                  | Complet       |         | Completion            |        |                        |                           | PRESSURI        | E PARTS         |                          |                             |              |                | 99%            |
|     |  |                    | on            |                     | on            |         |                       |        |                        |                           | CIVIL           |                 |                          |                             |              |                | 96%            |
| 1   | COMPLETION OF BOILER FOUNDATION              | Con                | nplete        | Con                 | nplete        | Con     | nplete                | 2      | TG                     |                           | STRUCTU         | RE              |                          |                             | 100%         | 100%           | 97%            |
| 2   | START OF BOILER ERECTION                     | May-06             | Mar-11        | Mar-07              | Jul-11        | Jan-08  | Jan-12                |        |                        |                           | TG ERECT        | TION            |                          |                             |              |                | 88%            |
| 3   | BOILER DRUM LIFTING (if sub-critical unit)   | N                  | NΑ            | N                   | ΙA            | ]       | NA                    | 3      | ESP                    |                           | UNDER PE        | ROGRESS         |                          |                             | 100%         | 100%           | 95%            |
| 4   | BOILER CEILING GIRDER LIFTING COMPLETION     | Con                | nplete        |                     | nplete        |         | nplete                |        |                        |                           | CIVIL WO        | RK              |                          |                             | 30%          | 19%            | 20%            |
| 5   | CONDENSER ERECTION START                     |                    | Nov-08        | Apr-08              | Jan-09        |         |                       | 4      | 4 FGD                  |                           | MATERIA         | MATERIAL SUPPLY |                          |                             | 40%          | 35%            | 35%            |
| 6   | TG ERECTION START                            | Aug-07             | Aug-11        | Jun-08              |               |         |                       |        | 1 02                   |                           | ERECTION        | N WORK          |                          |                             | 2%           | Yet to start   | Yet to start   |
| 7   | HP PIPING ERECTION START                     |                    |               |                     |               | Mar-09  | •                     |        |                        |                           |                 |                 |                          |                             |              |                |                |
| 8   | BOILER HYDRO TEST (DRAINABLE) COMPLETION     | Dec-07             | Feb-13        | Oct-08              |               | Aug-09  |                       |        |                        |                           |                 | STA             | TUS OF                   | BOPs                        |              |                |                |
| _   | BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION |                    | Feb-13        | Oct-08              |               | Aug-09  |                       |        | Packages/ Linked       | Vendor/C                  | Contracting     |                 | Scheduled Date           | Anticipated/Ac              | UNIT-01      | UNIT-02        | UNIT-03        |
| _   | TG BOX UP                                    | Aug-08             | Dec-13        | Jun-09              | 1             |         |                       | S1.    | Project Milestones     |                           | y (DPSI)        | Date of Award   | of Completion            | tual Date of<br>Completion  | % Completion | % Completion   | % Completion   |
| _   | HP PIPING ERECTION COMPLETION                |                    |               | Aug-09              | Jun-22        |         | Jan-24                |        |                        |                           |                 |                 |                          | •                           | •            | -              |                |
| _   | START OF OIL FLUSHING                        |                    |               | Jul-09              |               | May-09  | Ŭ                     | 1      | Chimney                | NBCC                      |                 | 20.12.2005      | 19.07.2009<br>21.08.2009 | Completed U2-May'23(A);     | 100%<br>100% | 100%           | 100 %<br>80%   |
| 13  | BOILER LIGHT UP                              | Aug-08             | Aug-19        | Jun-09              | May-22        | Apr-10  | Aug-24                | 2      | Coal Handling Plant    | L&T (Conve                |                 | 22.09.2005      |                          | U3- Nov'24                  |              |                |                |
| 1.4 | CHEMICAL OF EARTHY COLUMN ETTON              |                    |               | 7 1 00              | N 00          | M 10    | Y 24                  |        |                        | L&T (Wagor<br>L&T(Stacker | **              |                 | 21.07.2009               | Completed<br>Completed      | 100%<br>100% | 100 %<br>100 % | 100 %<br>100 % |
| 14  | CHEMICAL CLEANING COMPLETION                 |                    |               | Jui-09              | May-22        | May-10  | Jun-24                | 3      | Ash Handling Plant     | Melco                     | Keciainiei)     | 15.04.2016      | 14.01.2019               | U2-May'23(A):               | 100%         | 100%           | 80%            |
|     |  |                    |               | San 00              | Jul 22        | Int 10  | Sept-24               |        | Fuel Oil System        | Techno                    |                 |                 | 05.07.2009               | U3- Nov'24<br>U2-Completed  |              |                | ****           |
| 15  | STEAM BLOWING START                          |                    |               | 3ep-09              | Jui-22        | Jui-10  | 3ept-24               |        | ļ                      |                           |                 | 07.05.2006      |                          | U3-completed                | 100%         | 100 %          | 85%            |
|     |  |                    |               |                     |               |         |                       | 5      | Cooling Towers         | Paharpur                  |                 | 28.12.2005      | 27.08.2009               | U2-Jun'23(A);<br>U3- Nov'24 | 100%         | 100%           | 92%            |
| 16  | STEAM BLOWING COMPLETION                     | Jan-09             | Jan-20        | Nov-09              | Oct-22        | Sep-10  | Oct-24                |        | CW Pump house          | KBL                       |                 | 17.07.2006      | 16.01.2014               | U3- Nov'24                  | 100%         | 100 %          | 99%            |
|     |  |                    |               |                     |               | 3-F 10  |                       | _      | WPT Plant              | SPML                      |                 | 28.05.2007      | 27.11.2008               | U3- Nov'24                  | 100%         | 100 %          | 87%            |
| 17  | ROLLING & SYNC.                              | Mar-09             | Sep-20        | Jan-10              | Mar-23        | Nov-10  | Dec-24                | _      | DM Plant               | Driplex                   |                 | 24.03.2006      | 23.09.2008               | Completed                   | 100%         | 100 %          | 100 %          |
|     |  |                    |               |                     |               |         |                       | 9      | Compressed Air System  | Power Machi               | ines            | 24.03.2005      | 29.10.2014               | U3-<br>Completed            | 100%         | 100%           | 96%            |
| 18  | FULL LOAD                                    | Jul-09             | Apr-21        | Apr-10              | Jun-23        | Mar-11  | Jan-25                |        | Fire Protection System | Minimax                   |                 | 24.03.2006      | 23.07.2008               | U2-Nov'22(A);<br>U3-Nov'24  | 100%         | 100%           | 85%            |
|     |  |                    |               |                     |               |         |                       | 11     | Switch Yard            | BHEL                      |                 | 23.03.2006      | 06.11.2009               | Completed                   | 100%         | 100 %          | 100 %          |
| 19  | TRIAL RUN                                    | Feb-10             | Oct-21        | Dec-10              | Jun-23        | Oct-11  | Jan-25                | 12     | Station Transformers   | ABB                       |                 | 10.10.2005      | 11.09.2008               | U3- Nov'24                  | 100%         | 100%           | 95%            |
| Ľ   |  | 100 10             | JUL 21        | 300 10              |               | 50. 11  | Jun 25                | 13     | Unit Transformers      | TRIL/BHEL                 | /Kanohar        | 22.05.2006      | 21.01.2009               | U3- Nov'24                  | 100%         | 100%           | 95%            |
| 20  | COD  | Mar-10             | Nov-21        | Jan-11              | Aug-23        | Nov-11  | Feb-25                | 14     |                        | RITES                     |                 | 28.06.2006      | 27.12.2007               | Line a/v                    | 100%         | 100 %          | 100 %          |
| 1 - |  | 10                 |               |                     | 8 20          |         | 1                     | 15     | Power Evacuation Lines | PGCIL                     |                 |                 |                          | Line a/v                    | 100%         | 100%           | 100%           |

# **CRITICAL ISSUES**

• Supply of Stator from M/s Power Machines, Russia. There is delay in manufacturing of Generator due to geo-political situation and sanctions imposed on Russian Federation. It is likely to supplied by end of August-2024.

# REASONS OF DELAY

- Inordinate delay by Main Plant (SG & Auxiliaries Package) vendor M/s TPE. Work started after 6 Years of award. Contract of M/s TPE was terminated in Jan'15 due to consistent failure of commitments and poor performance. Contract for balance works re-awarded after 1 year in Jan'2016.
- During Hydro Test of Boiler U#1, DI-59 Coils in PSH-IV, CSH & LPRH-II failed which were supplied by M/s TPE. Accordingly, change of material to SS304H was approved and contract was awarded to M/s GE on 15.01.2018 for supply, Dismantling & Installation of Coils. Delayed project by approx. 2 years.
- Due to unusual delay in project commissioning for Main plant vendors, revival of Balance Offsite Packages is taking considerable time.
- Due to US sanction on Power Machines, Russia, balance TG/SG supplies and works got delayed. Due to ongoing war between Ukraine & Russia availability of experts from Ukraine is affected.

NORTH KARANPURA TPP, Unit# 1, 2 & 3 (3x660 MW) / NTPC (CENTRAL SECTOR)
NTPC, North Karanpura, Tandwa, Sub division – Simaria, Distt–Chatra – Jharkhand-825321 E-Gen Portal Registration No. (U#1 - 1200002378; U#2 - 1200002379; U#3 - 1200002380 )

|  | per / Implementing Agend<br>NTPC                      |                  | 200002378; U#2 - 12000<br>Mai:                   | in Plant Vendor - BHEL (EPC contract) |                                 |            |  |
|--|---|------------------|--|---------------------------------------|---------------------------------|------------|--|
| Unit No.   |   | OA               | Original Trial Run                               | Date                                  | ate Anticipated / Actual Trial  |            |  |
| Unit#1   | L   | OH               | Jun-2018   | Date                                  | 18-Jan-2023(A)                  |            |  |
| Unit#2   | Feh   | -2014            | Dec-2018   |                                       | 28-Feb-2024(                    |            |  |
| Unit#3   | 1.00  | -2014            | Jun-2019   |                                       | Jan-2025                        | (11)       |  |
|  | CLEARANCES AND ST                                     | TATIC DATA       |  | FINA                                  | NCIAL DATA (Fig. in R           | c Crore)   |  |
| FUEL TYPE  | Coal, Pithead   | In the Divis     | .1   |                                       | L ESTIMATED COST                | s. Clorc)  |  |
| COAL COMBUSTION                                  | Coar, i imeau   |                  |  | OF THE I                              |                                 | 14367.00   |  |
| TECHNOLOGY                                       | Supercritical   |                  |  | OI IIIL I                             | ROJECT                          |            |  |
| APPROVAL DATE / NTP                              | Eab 2014  |                  |  | LATEST                                | ESTIMATED COST                  | 16243.00   |  |
| THI KOVIL DIVIL / WIT                            | 100-2014  |                  |  | DATE OF<br>CLOSUR                     | FFINANCIAL<br>E                 | 28.01.2014 |  |
| EPC/BTG/BoP Contractor<br>Details (Package Wise) | BTG (EPC) – BHEL                                      |                  |  |                                       | YEAR WISE EXPENDIT              | URE        |  |
|  |   |                  |  |                                       | 2010-11                         | 8.17       |  |
| PPA  | Jharkhand: 500 MW; Odish<br>MW; Unallocated: 297 MV   |                  | ihar: 688 MW; WB: 99                             |                                       | 2011-12                         | 4.88       |  |
|  | ,   |                  |  |                                       | 2012-13                         | 5.75       |  |
| COAL LINKAGE/FSA                                 | Letter of Assurance dtd. 24<br>MTPA coal (G7-G11) for | 03 Units. FSA    | A to be signed after                             |                                       | 2013-14                         | 1362.18    |  |
|  | commissioning in terms of                             | para IA (1) of S | HAKTI-2017 policy.                               |                                       | 2014-15                         | 527.92     |  |
| START UP POWER                                   | Through ATS – 400 KV N                                | K-Chandwa D/     | C Tx line.                                       |                                       | 2015-16                         | 615.73     |  |
| AGREEMENT  | _   |                  |  |                                       | 2016-17                         | 2199.92    |  |
|  | Tx Line Developer                                     | NKTL             |  |                                       | 2017-18                         | 2044.46    |  |
| POWER EVACUATION SYSTEM                          | Tx Line Name<br>Tx Voltage Level                      |                  | handwa 400 KV, D/c line<br>Gaya, 400 KV D/c line |                                       | 2018-19                         | 1747.91    |  |
|  | Configuration of Tx Line                              | D/C              |  |                                       | 2019-20                         | 1762.62    |  |
| LAND POSSESSION                                  | (S/C or D/C)<br>2263/ 2293 Acres. 30 Acres            | s pending for ac | cauisition.                                      |                                       | 2020-21                         | 1243.28    |  |
| WATER ALLOCATION                                 | 20 Cusec from Garhi River                             |                  | rawl agreement signed with                       |                                       | 2021-22                         | 1051.00    |  |
| MOEF CLEARANCE                                   | DVC on 18.09.2020.<br>29.11.2004                      |                  |  |                                       | 2022-23                         | 1590.38    |  |
|  |   |                  |  |                                       | 2023-24                         | 1081.29    |  |
| CIVIL AVIATION<br>CLEARANCE                      | 13.02.2009  |                  |  | EXPEN                                 | IDITURE OF Jul, 2024            | 130.27     |  |
| CPCB CLEARANCE                                   | Not Applicable  |                  |  |                                       | AL EXPENDITURE upto 31.07.2024) | 15,657.10  |  |
| SPCB CLEARANCE                                   | Available. 31.12.2001 for I                           | Bihar. 11.12.20  | 14 for Jharkhand                                 |                                       |                                 |            |  |
| FOREST CLEARANCE                                 | 03.11.2015  |                  |  |                                       |                                 |            |  |

UNIT-03

% Completion

93.5%

86.10%

91.63%

100%

100%

NA

94.83%

51.67% 72.5%

UNIT-03

% Completion

100%

93%

NA

98%

64%

100%

72%

NA

100 %

100%

100%

60%

100%

100%

70%

NA

54% (Gaya)

UNIT-02

% Completion

100%

100%

100%

100%

100%

NA

100%

84.67%

69.5%

34%

UNIT-02

% Completion

100%

100%

NA

100%

100%

100%

NA

100 %

100%

100%

100%

100%

100%

100%

NA

100% (Chandwa)

100%

|     |  |         |                     |          |                   | TPP, L     | nit# 1                | , 2 8    | &   | 3 (3x660 MW)                           |                                |             |                  |  |  |                | J. |
|-----|--|---------|---------------------|----------|-------------------|------------|-----------------------|----------|-----|--|--------------------------------|-------------|------------------|--|--|----------------|----|
|     | UNIT WISE MILESTONES (                       | ANTICI  | PATED               | / ACT    | UAL)              |            |                       |          |     |  | ST                             | ATUS OF     | MAIN P           | LANT PA                                | CKAGE (  | BTG) : BHEL    |    |
|     |  | UN      | IT-01               | UN       | IT-02             | UNI        | T-03                  | SI       | 1.  | Packages                               |                                |             | AF               | REA                                    |  | UNIT-01        | 1  |
|     |  | Origina | Actual /  Anticipat | Origina  | Actual / Anticipa | t Original | Actual /<br>Anticipat |          | +   |  |                                | CIVIL       |                  |  |  | % Completion   | 4  |
| S1. | MILESTONE                                    | Date of | ed Date             | Date of  | ed Date           | Date of    | ed Date               | 1        | 1   | BOILER                                 |                                | STRUCTU     | RE               |  |  | 100%           | ╁  |
|     |  | Complet | of                  | Complet  |                   | Completi   |                       | 1        | 1   | JOILLIK                                |                                | PRESSURI    |                  |  |  | 100%           | ╀  |
|     |  | on      | Complet             | i on     | Complet           | i on       | Completi<br>on        | $\vdash$ | +   |  |                                | CIVIL       | LIAKIS           |  |  | 100%           | t  |
| 1   | COMPLETION OF BOILER FOUNDATION              | Cor     | nplete              | Cor      | nplete            | Con        | nplete                | 2        | 2 7 | ΓG                                     |                                | STRUCTU     | RE               |  |  | 100%           | t  |
| 2   | START OF BOILER ERECTION                     | Aug-15  | Apr-16              | Feb-16   | Jul-16            | Aug-16     | Jun-17                |          |     |  |                                | TG ERECT    | TION             |  |  | NA             | t  |
| 3   | BOILER DRUM LIFTING (if sub-critical unit)   | 1       | NA                  | ]        | NA                | N          | IA                    | 3        | 3 I | ESP                                    |                                | UNDER PI    | ROGRESS          |  |  | 100%           | t  |
| 4   | BOILER CEILING GIRDER LIFTING COMPLETION     | Cor     | nplete              | Cor      | nplete            | Con        | plete                 |          | t   |  |                                | CIVIL WO    | RK               |  |  | 89.67%         | t  |
| 5   | CONDENSER ERECTION START                     | May-16  | Nov-18              | Nov-16   | Jan-20            | May-17     | Jun-23                | ١.       | .   | 305                                    |                                | MATERIA     | L SUPPLY         |  |  | 77.5%          | t  |
| 6   | TG ERECTION START                            | Jul-16  | Nov-17              | Jan-17   | Jan-18            | Jul-17     | Mar-22                | 4        | 1 1 | FGD                                    |                                | EDECTION    | LIVODIK          |  |  | 55.50/         | T  |
| 7   | HP PIPING ERECTION START                     | Jul-17  | Nov-20              | Jan-18   | Jul-23            | Jul-18     | Dec-23                |          |     |  |                                | ERECTION    | NWORK            |  |  | 55.5%          |    |
| 8   | BOILER HYDRO TEST (DRAINABLE) COMPLETION     | Jan-17  | Dec-18              | Jul-17   | Oct-19            | Jan-18     | Jul-24                |          |     |  |                                |             | STA              | ATUS OF                                | BOPs   | •              | Ī  |
| 9   | BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION | Mar-17  | Jan-19              | Jul-17   | Oct-19            | Jan-18     | Sep-24                |          |     | De alas a a / I indea d                | V1/                            | 144:        |                  |  | Anticipated/Ac                                     | UNIT-01        | T  |
| 10  | TG BOX UP                                    | Jun-17  | Aug-19              | Dec-17   | Jan-22            | Jun-18     | Jul-24                | SI       | 1.  | Packages/ Linked<br>Project Milestones | Agenc                          | Contracting | Date of Award    | Scheduled Date<br>of Completion        | tual Date of                                       | % Completion   | T  |
| 11  | HP PIPING ERECTION COMPLETION                | Sep-17  | Jan-21              | Mar-18   | Sep-23            | Sep-18     | Aug-24                |          |     | 1 Toject Willestolles                  | A Igene                        | ′           |                  |  | Completion   | % Completion   |    |
| 12  | START OF OIL FLUSHING                        | Jul-17  | Jul-20              | Jan-18   | Feb-23            | Jul-18     | Jun-24                | 1        | 1 ( | Chimney                                | M/s                            | BHEL        | Feb-14           | U#1-Dec-18<br>U#2-Jun-19<br>U#3-Dec-20 | U#2-Oct-23 (A)<br>U#3-Apr-23 (A)                   | 100%           | Ī  |
| 13  | BOILER LIGHT UP                              | Aug-17  | Dec-20              | Feb-18   | Jun-23            | Aug-18     | Oct-24                | 2        | 2 0 | Coal Handling Plant                    | M/s BHEL (Cor<br>M/s BHEL (Wa  |             | Feb-14<br>Feb-14 | Dec-18<br>NA                           | U#2-Feb-24(A)<br>U#3-Nov-24<br>NA                  | 100%           | Į  |
| -   |  |         |                     |          |                   |            |                       |          |     | · ·                                    | M/s BHEL(Stac                  | • •         | Feb-14           | Dec-18                                 | U#1-Nov-22 (A)                                     | NA             | Ŧ  |
| 14  | CHEMICAL CLEANING COMPLETION                 | Aug-17  | Jan-21              | Feb-18   | Jun-23            | Aug-18     | Oct-24                | 2        | , , | Ash Handling Plant                     |                                | BHEL        | Feb-14           | Dec-18                                 | U#2&3-Nov-24<br>U#1-Jan'23(A)                      | 100%           | ╀  |
|     |  | Aug-17  | Jan-21              | 160-18   | Juli-23           | Aug-16     | OC1-24                |          |     |  |                                |             |                  |  | U#2-Aug'24<br>U#3-Nov'24                           | 100%           |    |
| 15  | STEAM BLOWING START                          | Sep-17  | Jan-21              | Mar-18   | Jul-23            | Sep-18     | Oct-24                | 4        | _   | Fuel Oil System                        |                                | BHEL        | Feb-14           | Dec-18                                 | Completed  | 100%           | ļ  |
|     |  | Зср-17  | Jan-21              | Iviai-10 | Jui-23            | БСР-10     | OC1-24                | 5        | 5 ( | Cooling Towers                         | M/s                            | BHEL        | Feb-14           | Dec-18                                 | U#2 – Oct'23(A)<br>U#3 – Nov'24                    | 100%           |    |
| 16  | STEAM BLOWING COMPLETION                     | Oct-17  | Feb-21              | Apr-18   | Aug-23            | Oct-18     | Nov-24                | 6        | 5 ( | CW Pump house                          | M/s                            | BHEL        | Feb-14           | NA                                     | NA   | NA             |    |
|     |  |         |                     | .4       |                   |            |                       | 7        | _   | WPT Plant                              |                                | BHEL        | Feb-14           | Dec-18                                 | Completed  | 100 %          |    |
| 17  | ROLLING & SYNC.                              | Dec-17  | 21.10.2022          | Jun-18   | 09.11.23          | Dec-18     | Dec-24                | 8        | 4   | OM Plant                               |                                | BHEL        | Feb-14           | Dec-18                                 | Completed  | 100%           |    |
|     |  |         |                     |          |                   |            |                       | 9        | _   | Compressed Air System                  |                                | BHEL        | Feb-14           |  | Completed  | 100%           |    |
| 18  | FULL LOAD                                    | Feb-18  | 20.12.2022          | Aug-18   | 19.01.24          | Feb-19     | Jan-25                | 10       | 0 F | Fire Protection System                 |                                | BHEL        | Feb-14           |  | U#2-Mar'24(A)<br>U#3-Nov'24                        | 100%           | L  |
|     |  |         |                     | ľ        |                   |            |                       | 11       | 1 8 | Switch Yard                            | BHEL-TBG/Art<br>Technico India |             | Feb-14           | Dec-18                                 | U#2-Sep'23(A)<br>U#3-Mar'24(A)                     | 100%           |    |
| 19  | TRIAL RUN                                    | Jun-18  | 18.01.2023          | D 10     | 28.02.2024        | Jun-19     | Jan-25                | 12       |     | Station Transformers                   |                                | BHEL        | Feb-14           | Mar-18                                 | U#2-Dec'23(A)<br>U#3-May'24                        | 100%           | Ī  |
|     |  | Jun-18  |                     | Dec-18   |                   |            |                       | 13       |     | Jnit Transformers                      |                                | BHEL        | Feb-14           | Jul-18                                 | U#2-Feb'24<br>U#3-Nov'24                           | 100%           |    |
| 20  | COD  |         | 04.05.55            |          | 20.62.5           |            | E 1 27                | 14       |     | Railway Siding                         | M/s I                          |             | Feb-14           | NA                                     | NA   | NA             | Ţ  |
|     |  | -       | 01.03.2023          | -        | 20.03.24          | -          | Feb-25                | 15       | 5 F | Power Evacuation Lines                 | M/s                            | BHEL        | May-16           | Sep-19                                 | NK-Chandwa line<br>: Oct'22 (A)<br>NK-Gaya-June'24 | 100% (Chandwa) | 1  |

# **CRITICAL ISSUES**

- Handing over of balance 20 acres Private land corridor to NTPC by CCL for external CHP.
- Slow Progress & delay in Supply of missing materials by EPC (BHEL) agency.
- Delay in readiness of 400 kV D/C NK-Gaya transmission line.
- Trial run may delay due to major fire incident occurred on 19-04-2024 in plant premises.

# REASONS OF DELAY

- Main plant layout was changed to avoid GM land which Govt. was not in position to handover due to encroachments.
- + Delay in Award of Critical Packages by BHEL. Air Cooled Condenser (ACC) Mechanical Package awarded in Mar'17 with a delay of 31months; ACC civil package was awarded in May'17 with a delay of 27 months.
- + Delay due to slow work progress by EPC agency (M/s BHEL). Slow progress of Air Cooled Condenser works by M/s BHEL may affect the current commissioning target of project.
- + Agitation by villagers for demand of additional compensation against already acquired land (about 2200 Acres). Project Work was completely stopped by the agitators for about 40 days during Local Agitation again started on 23.02.2022

PATRATU TPS, Unit# 1, 2 & 3 (3X800 MW) / PVUNL (CENTRAL SECTOR)

Patratu Vidyut Utpadan Nigam Limited, Patratu, PO: PTPS, Patratu, Distt. Ramgarh, Jharkhand, PIN – 829119

E-Gen Portal Registration No. ( U#1 - 1200002399; U#2 - 1200002400; U#3 - 1200002401 )

|  | per / Implementing Agend<br>PVUNL  |  | .00002399; 0#2 - 12000<br>Main Plant |         | /s BHEL (EPC contract)         |                |
|--|--|--|--------------------------------------|---------|--------------------------------|----------------|
| Unit No.   |  | OA   | Original Trial Run                   | Date    | Anticipated / Actual           | Trial Run Date |
| Unit#1   | L  | 011  | Jan-22                               | Date    | Dec-2024                       | Thai Run Date  |
| Unit#2   | Mar-2  | 018  | Jul-22                               |         | Sept-2025                      |                |
| Unit#3   | 17101 2  | -  | Jan-23                               |         | Nov-2025                       |                |
|  | CLEARANCES AND S'  | TATIC DATA   |                                      | FINA    | NCIAL DATA (Fig. in I          |                |
| FUEL TYPE  | Coal, Pithead  |  |                                      |         | AL ESTIMATED COST              | ·              |
| COAL COMBUSTION<br>TECHNOLOGY                    | Ultra Supercritical  |  |                                      |         | PROJECT                        | 17112.00       |
| APPROVAL DATE / NTP                              | Nov-2017   |  |                                      | LATEST  | ESTIMATED COST                 | 18668.00       |
|  | 110, 201,  |  |                                      | DATE OF | F FINANCIAL<br>RE              |                |
| EPC/BTG/BoP Contractor<br>Details (Package Wise) | EPC package awarded to B   | 3HEL on 08.03.2                                    | 2018.                                |         | YEAR WISE EXPENDIT             | URE            |
|  |  |  |                                      |         | 2015-16                        |                |
| PPA  | 85% allocated to Jharkhand powerwill remain as unallo  | •  |                                      |         | 2016-17                        |                |
|  | 12 MTPA for Ph-I from Ba   | nhardih Coal M                                     | ine at a distance of about           |         | 2017-18                        | 992.11         |
| COAL LINKAGE/FSA                                 | 110 km. Banhardi Coal Mi adherence signed on 02.06.  |  | PVUNL vide deed of                   |         | 2018-19                        | 601.86         |
| COAL LINKAGE/FSA                                 | Bridge allocation granted b  |  |                                      |         | 2019-20                        | 695.09         |
| CTA DT UD DOVUED                                 | from CCL; Coal quantity q  |  |                                      |         | 2020-21                        | 1228.66        |
| START UP POWER<br>AGREEMENT                      | Through 7.5 kms Transmis<br>Katia Substation) D/C Line   |  | u-Patratu (Main Plant to             |         | 2021-22                        | 1846.48        |
|  | Tx Line Developer  | JUSNL<br>i)Patratu (PVU                            | NL) –Patratu, 400 kV                 |         | 2022-23                        | 2849.76        |
| POWER EVACUATION                                 | Tx Line Name<br>Tx Voltage Level   | D/C line (7.5 k<br>ii) Patratu STP                 | m).<br>P-Koderma, 400 KV D/C         |         | 2023-24                        | 2250.39        |
| SYSTEM   |  | Line (160 Km)<br>iii) Patratu STF<br>Line (150 Km) | PP-Chandil, 400 KV D/C               | EXPE    | ENDITURE OF Jul'24             | 193.04         |
|  | Configuration of Tx Line (150 (S/C or D/C)   |  |                                      |         | AL EXPENDITURE (upto 31.07.24) | 14094.62       |
| LAND POSSESSION                                  | Correction of 268.92 acres in favour of PVUNL and all  |  |                                      |         |                                |                |
| WATER ALLOCATION                                 | Project is envisaged with A principle commitment for 2 DamReservoir vide agreem  | 27 cusecs water                                    | available from Nalkari               |         |                                |                |
| MOEF CLEARANCE                                   | EAC recommended for grant of EC for the project on EAC meeting held on 25.09.17. EC letter received on 07.11.17. Validity till 06.11.24. |  |                                      |         |                                |                |
| CIVIL AVIATION<br>CLEARANCE                      | Received on 03.06.2016.  |  |                                      |         |                                |                |
| CPCB CLEARANCE                                   | Not Applicable   |  |                                      |         |                                |                |
| SPCB CLEARANCE                                   | SPCB Clearance: CTE rece   | eived on 19.10.2                                   | 018. Validity till 06.11.24.         |         |                                |                |
| FOREST CLEARANCE                                 | No forest land in the main   | plant area.  |                                      |         |                                |                |

|     |  |                     | PATR/                    | ATU T               | PS, U                    | nit# 1              | , 2 &                    |
|-----|--|---------------------|--------------------------|---------------------|--------------------------|---------------------|--------------------------|
|     | UNIT WISE MILESTONES (                       | ANTICII             | PATED                    | / ACT               | UAL)                     |                     |                          |
|     |  | UN                  | IT-01                    | UNI                 | IT-02                    | UNI                 | IT-03                    |
| S1. | MILESTONE                                    | Original<br>Date of | Anticipate<br>d / Actual | Original<br>Date of | Anticipate<br>d / Actual | Original<br>Date of | Anticipate<br>d / Actual |
|     |  | Completio           | Date of<br>Completio     | Completio           | Date of<br>Completio     | Completio           | Date of<br>Completic     |
|     |  | n                   | n                        | 11                  | n                        | n                   | n                        |
| 1   | COMPLETION OF BOILER FOUNDATION              | May-19              |                          | Nov-19              |                          | May-20              | Jan-21                   |
| 2   | START OF BOILER ERECTION                     | May-19              |                          | Nov-19              | Dec-19                   | May-20              | Jan-21                   |
| 3   | BOILER DRUM LIFTING (if sub-critical unit)   |                     | NΑ                       |                     | VΑ                       |                     | VΑ                       |
| 4   | BOILER CEILING GIRDER LIFTING COMPLETION     | Feb-20              | Mar-21                   | Aug-20              | May-21                   | Feb-21              | Jan-22                   |
| 5   | CONDENSER ERECTION START                     | Feb-20              | Sep-23                   | Aug-20              | Apr-24                   | Feb-21              | Jul-24                   |
| 6   | TG ERECTION START                            | Jun-20              | Mar-22                   | Dec-20              | Oct-22                   | Jun-21              | Oct-24                   |
| 7   | HP PIPING ERECTION START                     | Jul-20              | Sept-22                  | Jan-21              | Jun-23                   | Jul-21              | Sept-24                  |
| 8   | BOILER HYDRO TEST (DRAINABLE) COMPLETION     | Jan-21              | Mar-23                   | Jul-21              | Aug-23                   | Jan-22              | Dec-24                   |
| 9   | BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION | Jun-21              | Apr-24                   | Dec-21              | Sept-24                  | Jun-22              | Jun-25                   |
| 10  | TG BOX UP                                    | May-21              | Mar-23                   | Nov-21              | Mar-24                   | May-22              | Dec-24                   |
| 11  | HP PIPING ERECTION COMPLETION                | May-21              | Jul-24                   | Nov-21              | Oct-24                   | May-22              | May-25                   |
| 12  | START OF OIL FLUSHING                        | Apr-21              | 18.11.23                 | Oct-22              | Nov-24                   | Apr-22              | May-25                   |
| 13  | BOILER LIGHT UP                              | Jun-21              | Aug-24                   | Dec-21              | Feb-25                   | Jun-22              | Jul-25                   |
| 14  | CHEMICAL CLEANING COMPLETION                 | Jul-21              | Jul-24                   | Jan-22              | Mar-25                   | Jul-22              | Jul-25                   |
| 15  | STEAM BLOWING START                          | Jul-21              | Sept-24                  | Jan-22              | Apr-25                   | Jul-22              | Jul-25                   |
| 16  | STEAM BLOWING COMPLETION                     | Sep-21              | Octt-24                  | Mar-22              | May-25                   | Sep-21              | Aug-25                   |
| 17  | ROLLING & SYNC.                              | Nov-21              | Nov-24                   | May-22              | Jul-25                   | Nov-22              | Sep-25                   |
| 18  | FULL LOAD                                    | Dec-21              | Dec-24                   | Jun-22              | Aug-25                   | Dec-22              | Oct-25                   |
| 19  | TRIAL RUN                                    | Jan-22              | Dec-24                   | Jul-22              | Sept-25                  | Jan-23              | Nov-25                   |
| 20  | COD  | Mar-22              | Jan-25                   | Sep-22              | Oct-25                   | Mar-23              | Dec-25                   |

|     |                                |                                |             |   |   |                   |               | Status as on        | 31-07-2024      |
|-----|--------------------------------|--------------------------------|-------------|---|---|-------------------|---------------|---------------------|-----------------|
| 3X8 | 800 MW) / PVU                  |                                |             |   | •   |                   |               |                     |                 |
|     |                                | STA                            | TUS OF M    | IAIN PLA                                  | NT PACE                                   | KAGE (BT          | ΓG) : M/S BHE | L                   |                 |
| S1. | Packages                       |                                |             | ΛE  | REA                                       |                   | UNIT-01       | UNIT-02             | UNIT-03         |
| S1. | Fackages                       |                                |             | Aix                                       | EA  |                   | % Completion  | % Completion        | % Completion    |
|     |                                |                                | CIVIL       |   |   |                   | 85.2%         | 76.9%               | 71.8%           |
| 1   | BOILER                         | ŀ                              | STRUCT      | URE                                       |   |                   | 86%           | 89.7%               | 60.5%           |
| ļ   | 1                              | ŀ                              | PRESSUI     | RE PARTS                                  | 3   |                   | 94.9%         | 79%                 | 47.6%           |
|     |                                |                                | CIVIL       |   |   |                   | 74.9%         | 57.9%               | 32.2%           |
| 2   | TG                             | ļ                              | STRUCT      | URE                                       |   |                   | 97.5%         | 95.9%               | 52.6%           |
|     | 1                              | ļ                              |             |   |   |                   |               |                     |                 |
| 3   | ESP                            |                                | UNDER!      | PROGRES                                   | SS  |                   | 88%           | 93.1%               | 70.7%           |
|     |                                |                                | CIVIL W     | ORK                                       |   |                   | 70.6%         | 72.7%               | 58.8%           |
| 4   | FGD                            | ŀ                              | MATERI      | AL SUPPL                                  | Y   |                   | 83%           | 57%                 | 45%             |
| 4   | FGD                            | ŀ                              | EDECTIO     | ON WORK                                   | -   |                   | 29.9%         | 0%                  | 0%              |
| ļ   | 1                              | ŀ                              | EKECIK      | JN WUKK                                   | <b>-</b>                                  | ŀ                 | ∠7.770        | U70                 | U70             |
|     |                                |                                | S           | TATUS O                                   | F BOPs (F                                 | 3HEL - EI         | PC)           |                     |                 |
|     | Packages/ Linked               | Vendor/C                       | Contracting | Data of                                   | Scheduled                                 | Anticipated/      | UNIT-01       | UNIT-02             | UNIT-03         |
| S1. | 1. Project Milestones Agendary |                                | U           | Date of<br>Award                          | Date of                                   | Actual Date<br>of | % Completion  | % Completion        | % Completion    |
|     | Project willestones            | Age                            | silcy       |   | Completion                                | Completion        | % Completion  | % Completion        | % Completion    |
| 1   | Chimney                        | BHEL PSWR                      |             | U1-21.07.18; U2-<br>26.07.18; U3-31.01.20 | U1-05.03.21; U2-<br>05.09.21; U3-05.03.22 | Feb-25            | 88%           | 70%                 | 63%             |
|     |                                | BHEL PSWR                      |             | 12.01.2020                                | 08.08.2021                                | Feb-25            |               |                     |                 |
| 2   | Coal Handling Plant            | BHEL PSWR – 1<br>BHEL PSWR – 1 |             | 15.10.2020                                | 27.07.2021                                | Feb-25            |               | 81% RCC comple      |                 |
|     |                                | Reclaimer                      | Stacker     | 09.06.2021                                | 23.06.2022                                | Feb-25            | 93.0          | 6% Structure com    | plete           |
| 3   | Ash Handling Plant             | BHEL PSWR                      |             | 15.10.2019                                | 08.12.2021                                | Feb-25            | 81.5% RCC cor | mplete; 51.8% Str   | ucture complete |
| 4   | Fuel Oil System                | BHEL PSWR                      |             | 07.10.2020                                | 08.06.2021                                | Feb-25            |               | 87% civil works     |                 |
| 5   | ACC                            | BHEL                           |             | 08.04.2022                                | 14.10.2021                                | Feb-25            | 71.98%        | 39.80%              | 29.06%          |
| 6   | CW Pump house                  | NA (ACC is en                  | visaged)    |   |   |                   | (Air C        | ooled Condenser)    |                 |
| 7   | WPT Plant                      | BHEL PSWR                      |             | 14.01.2021                                | 20.03.2021                                | Feb-25            | ,             | 70% RCC complet     | te              |
| 8   | DM Plant                       | BHEL PSWR                      |             |   | 27.03.2021                                | Feb-25            |               | 70% RCC comple      |                 |
| 9   | Compressed Air System          | BHEL PSWR                      |             | 04.07.2020                                | 03.02.2021                                | Feb-25            |               | tructure erection c |                 |
| 10  | Fire Protection System         | BHEL-PESD, H                   | lyderabad   | 25.05.2021                                | 18.05.2021                                | Feb-25            |               | 00% RCC civil wo    |                 |
| 11  | Switch Yard                    | BHEL-TBG                       |             | 01.05.2020                                | 08.10.2021                                | Feb-25            |               |                     |                 |
| 12  | Station Transformers           | BHEL-Bhopal                    |             | 01.03.2020                                | 18.02.2021                                | Feb-25            | 1             | 100% RCC comple     | te              |
| 13  |                                | BHEL Jhansi                    |             | <b></b>                                   |   |                   |               | 36%                 |                 |
|     | Unit Transformers              |                                |             | <b></b> '                                 | 17.02.2021                                | Feb-25            |               | 0%                  |                 |
| 14  | Railway Siding                 | PMC Contractor                 | r-M/s RITES | 02.12.2019                                | 01.04.22                                  | Dec-23            | 33% (Aw       | ard of sub pkg yet  | to be done)     |
|     |                                |                                |             |   |   |                   |               |                     |                 |

08.10.2021

JUSNL

Power Evacuation Lines

# CRITICAL ISSUES

Delay in readiness of Power evacuation system by JUSNL;

Slow progress in ACC works by BHEL;

Availability of encumbrance free land for Ash Mound

# REASONS OF DELAY

• Poor performance of few sub-agencies of BHEL.

Patratu-Patratu Line - Civil:37%; Patratu-Koderma Line-Civil:0%

TALCHER THERMAL POWER PROJECT, Unit# 1 & 2 (2X660 MW, St-III) / NTPC (CENTRAL SECTOR)
TALCHER THERMAL POWER PROJECT, P.O.: TALCHER THERMAL, DIST- ANGUL, ODISHA- 759101 E-Gen Portal Registration No. (U#1 - 1200003198; U#2 - 1200003199)

| Project Develo  |  |               |                   | 5. (U#1 - 1200003198; U<br>Mai                |         |   | lor( BTG) -BHEL (EP   | C contract)                 |
|---|--|---------------|-------------------|---|---------|---|---|-----------------------------|
| Unit No.  | 1,110  | LO            | OA                | Original Trial Run                            | D       | ate                                     | Anticipated / Actua   | l Trial Run                 |
| Unit#1  |  | Sen-          | 2022              | Nov-2026                                      |         |   | Sept-20   |                             |
| Unit#2  | CLEADANC   |               |                   | May-2027                                      |         | EINIA                                   | Dec-20  |                             |
| FUEL TYPE   | CLEARANC<br>Coal   | ES AND ST     | ATIC DAT          | A   | ┞       |   | <mark>NCIAL DATA (Fig. 1</mark><br>LL ESTIMATED COS   |                             |
| COAL COMBUSTION TECHNOLOGY  | Ultra-supercri   | tical         |                   |   |         | OF THE F                                | PROJECT   | 11843.75                    |
| APPROVAL DATE / NTP   | Investment A   | proval: 26.08 | 3.2022            |   |         | LATEST                                  | ESTIMATED COST  | 11843.75                    |
|   |  | •             |                   |   |         | DATE OF<br>CLOSUR                       | FFINANCIAL<br>E   |                             |
| EPC/BTG/BoP Contractor<br>Details (Package Wise)  | EPC Package 27.09.2022   | for TTPP St-I | II(2X660 MW       | ) awarded to M/s BHEL on                      |         | Ŋ                                       | YEAR WISE EXPENI  | DITURE                      |
|   |  |               |                   |   |         |   | 2021-22   | 49.10                       |
| PPA   |  |               |                   | ) on 02.08.2022; Tamil Nadu<br>illocated- 15% |         |   | 2022-23   | 494.40                      |
|   | Availabla  | per the MoV   | I of the Standi   | ing Linkage Committee (LT)                    | 2023-24 |   |   | 802.59                      |
| COAL LINKAGE/FSA  |  | 018; FSA Agr  | reement with I    | MCL under process; Source:                    |         | EXPENI                                  | 164.61  |                             |
|   | Pithead, Dist  | - 30km; Grade | e: G-12; Quant    | tity: 5.854 MMTPA                             | -       |   | EXPENDITURE<br>1.07.2024)   | 1,749.22                    |
| START UP POWER<br>AGREEMENT   |  |               |                   |   |         |   |   |                             |
|   | Tx Line Deve   |               | Yet to be awa     |   |         |   |   |                             |
| POWER EVACUATION<br>SYSTEM  | T X V OITAGE LEVEL TOO K V Gas Insulate  |               |                   | Insulated Switchyard)                         |         |   |   |                             |
|   | Configuration<br>(S/C or D/C)  | of Tx Line    | -                 |   |         |   |   |                             |
| LAND POSSESSION   | Total Land: 194.82 Acre(Main Plant-191 Acre, Railway Siding-1.48 Acre; Make up water -2.34 Acre to be acquired) ROU/ROW of Land- 77.63 for Make up water Corridor. Approval under process. |               |                   |   |         |   |   |                             |
| WATER ALLOCATION  | Available, So<br>Qty: 39 Cused   |               | m of Samal Ba     | arrage from Brahmani River                    |         |   |   |                             |
| MOEF CLEARANCE  | Received on 1  | 2.09.2018 and | d it is valid upt | to 12.09.2025                                 |         |   |   |                             |
| CIVIL AVIATION<br>CLEARANCE   | Renewed on 2   | 2.05.2022 and | d valid upto 22   | 2.05.2030                                     |         |   |   |                             |
| CPCB CLEARANCE  | Received on 1  | 2.09.2018 and | d it is valid upt | to 12.09.2025                                 |         | ADDITIO                                 | NAL REMARKS   |                             |
| SPCB CLEARANCE  | SPCB CLEARANCE CTE Application submitted on 06.11.2022 (Application No -44749)   |               |                   |   |         | Ash Dispo                               | sal:<br>n of Quarry IV of Jaga  | nath Mine Void              |
| FOREST CLEARANCE  Make up water Pump House: 1st stage received, Application for 2nd stage under process; Make up Corridor: There was delay in submission of online application due to non-availability of PARIVESH PORTA Online application for Stage-I submitted on 13.11.2022 and under process at PCCF Odisha. |  |               |                   |   |         | of MCL al<br>cater for 03<br>allocation | located for TTPP Stag<br>3 Years of Ash Dispos<br>of balance 17 Mcum c<br>aken up with MCL. | e-III which will<br>al. For |

|     | TALCHER TH                                       | IERMAL        | POWER    | PROJEC        | CT. St-III. | Uni | t# 1 & 2 (2X6               | 660 MW) / NTPC   | (CENT            |            |   | on 31-07-       | 2024            |  |  |
|-----|--|---------------|----------|---------------|-------------|-----|-----------------------------|--|------------------|------------|---|-----------------|-----------------|--|--|
|     | UNIT WISE MILESTONES                             |               |          |               |             |     |                             | OF MAIN PLANT PA   | -                |            |   | (EPC contract)  |                 |  |  |
|     |  | UNI           |          |               | T-02        |     |                             |  |                  | (===);     |   | UNIT-01         | UNIT-02         |  |  |
|     |  |               | Actual / |               | Actual /    | Sl. | Packages                    |  | AREA             |            |   | %<br>Completion | %<br>Completion |  |  |
| Sl. | MILESTONE  | Original Date | Actual   | Original Date | Anticipated |     |                             | CIVIL  |                  |            |   | 96.50%          | 90%             |  |  |
|     |  |               | Date     |               | Date        | 1   | BOILER                      | STRUCTURE  |                  |            |   | 30%             | 0%              |  |  |
| 1   | COMPLETION OF BOILER FOUNDATION                  | 25.09.2023    | Jan-24   | 25.01.2024    | Sept-24     |     |                             | PRESSURE PARTS   |                  |            |   | 0%              | 0%              |  |  |
| 2   | START OF BOILER ERECTION                         | 26.09.2023    | Jan-24   | 26.01.2024    | Sept-24     |     |                             | CIVIL  |                  |            |   | 63%             | 35%             |  |  |
| 3   | BOILER DRUM LIFTING (if sub-critical unit)       | N             | JA.      | N             | ĪΑ          | 2   | TG                          | STRUCTURE  |                  |            |   | 0%              | 0%              |  |  |
| 4   | BOILER CEILING GIRDER LIFTING<br>COMPLETION      | 25.07.2024    | Jan-25   | 25.11.2024    | Mar-25      |     |                             | TG ERECTION  |                  |            |   | 0%              | 0%              |  |  |
| 5   | CONDENSER ERECTION START                         | 31.07.2024    | May-25   | 30.11.2024    | Sept-25     | 3   | ESP                         | UNDER PROGRESS   |                  |            |   | 46.40%          | 17.60%          |  |  |
| 6   | TG ERECTION START                                | 07.08.2024    | Oct-25   | 07.12.2024    | Jan-26      |     |                             | CIVIL WORK   |                  |            |   | 15%             | 5%              |  |  |
| 7   | HP PIPING ERECTION START                         | 04.08.2024    | Feb-25   | 04.12.2024    | Aug-25      | 4   | FGD                         | MATERIAL SUPPLY  |                  |            |   | 0%              | 0%              |  |  |
| 8   | BOILER HYDRO TEST (DRAINABLE)<br>COMPLETION      | 26.07.2025    | Jul-26   | 26.11.2025    | Dec-26      | "   |                             | ERECTION WORK  |                  |            |   | 0%              | 0%              |  |  |
| 9   | BOILER HYDRO TEST (NON-<br>DRAINABLE) COMPLETION | 29.11.2025    | Sep-26   | 29.03.2026    | Feb-27      |     |                             |  |                  |            |   |                 |                 |  |  |
| 10  | TG BOX UP  | 25.09.2025    | Nov-26   | 25.01.2026    | Feb-27      |     |                             | STAT   | US OF B          | OPs        |   |                 |                 |  |  |
| 11  | HP PIPING ERECTION COMPLETION                    | 25.01.2026    | Nov-26   | 25.05.2026    | Jun-27      |     | Packages/                   | Vendor/Contracting   |                  | Scheduled  | Anticipated                               | UNIT-01         | UNIT-02         |  |  |
| 12  | START OF OIL FLUSHING                            | 27.09.2025    | Oct-26   | 27.01.2026    | Mar-27      | Sl  | -                           | Agency   | Date of<br>Award | Date of    | /Actual<br>Date of                        | %               | %               |  |  |
| 13  | BOILER LIGHT UP                                  | 13.01.2026    | Feb-27   | 13.05.2026    | Jun-27      |     | Milestones                  | 8,   |                  | Completion | Completion                                | Completion      | Completion      |  |  |
| 14  | CHEMICAL CLEANING COMPLETION                     | 26.01.2026    | Mar-27   | 26.05.2026    | Jul-27      | 1   | Chimney                     | BHEL   | Sep-22           | Nov-25     | Nov-25 (U1)<br>Mar-26 (U2)                | 58              | 1%              |  |  |
| 15  | STEAM BLOWING START                              | 27.02.2026    | Mar-27   | 27.06.2026    | Jul-27      | 2   | Coal HandlingPlant          | Conveyor Package - BHEL  | Sep-22           | Jan-26     | Jan-26 (U1)<br>May-26 (U2)                | 14              | -%              |  |  |
|     |  |               |          |               |             |     |                             | Track Hopper- BHEL   | Sep-22           | NA         | Jan-26 (U1)<br>May-26 (U2)                | 11              | %               |  |  |
| 16  | STEAM BLOWING COMPLETION                         | 26.03.2026    | Apr-27   | 26.07.2026    | Aug-27      |     |                             | Stacker Reclaimer - BHEL   | Sep-22           | Jan-26     | Jan-26 (U1)<br>May-26 (U2)                | 10              |                 |  |  |
|     |  |               |          |               |             | 3   | Ash Handling                | BHEL   | Sep-22           | Apr-26     | Apr-26 (U1)<br>Aug-26 (U2)                | 9.60            | 0%              |  |  |
|     |  |               |          |               |             | 4   | Fuel Oil System             | BHEL   | Sep-22           | Nov-25     | Nov-25 (U1)<br>Mar-26 (U2)                | 12.80%          | 12.80%          |  |  |
| 17  | ROLLING & SYNC.                                  | 26.05.2026    | Jul-27   | 26.09.2026    | Oct-27      | 5   | Cooling Towers              | BHEL   | Sep-22           | Dec-25     | Dec-25 (U1)<br>Apr-26 (U2)                | 33%             | 33%             |  |  |
|     |  |               |          |               |             | 6   | CW Pump House and<br>Piping | BHEL   | Sep-22           | Nov-25     | Nov-25 (U1)<br>Mar-26 (U2)                | 21%             | 21%             |  |  |
|     |  |               |          |               |             | 7   | WPT Plant                   | BHEL   | Sep-22           | Sep-25     | Sep-25 (U1)<br>Jan-26 (U2)                | 5%              | 5%              |  |  |
| 18  | FULL LOAD  | 25.06.2025    | Aug-27   | 25.10.2026    | Nov-27      | 8   | DM Plant                    | BHEL   | Sep-22           | Jul-25     | Jul-25 (U1)<br>Nov-25 (U2)                | 12.80%          | 12.80%          |  |  |
|     |  |               |          |               |             | 9   | Compressed Air<br>System    | BHEL   | Sep-22           | Dec-25     | Dec-25 (U1)<br>Apr-26 (U2)                | 0%              | 0%              |  |  |
|     |  |               |          |               |             | 10  | Fire Protection<br>System   | BHEL   | Sep-22           | Aug-26     | Aug-26 (U1)<br>Dec-26 (U2)                | 15.60%          | 15.60%          |  |  |
| 19  | TRIAL RUN  | 24.11.2026    | Sept-27  | 24.05.2027    | Dec-27      | 11  | Switch Yard                 | BHEL   | Sep-22           | Mar-26     | Mar-26 (U1)<br>Jul-26 (U2)                | 32.8            | 80%             |  |  |
|     |  |               |          |               |             | 12  | Station Txer                | BHEL   | Sep-22           | Apr-25     | Apr-25 (U1)<br>Aug-25 (U2)                | 0%              | 0 %             |  |  |
|     |  |               |          |               |             | 13  | Generator Txer              | BHEL   | Sep-22           | Apr-26     | Apr-26 (U1)<br>Aug-26 (U2)                | 0%              | 0%              |  |  |
| 20  | COD  | 24.12.2026    | Oct-27   | 24.06.2027    | Jan-28      | 14  | Unit Txer                   | BHEL   | Sep-22           | Apr-26     | Apr-26 (U1)<br>Aug-26 (U2)<br>Jun-25 (U1) | 0%              | 0%              |  |  |
|     |  | 24.12.2020    | OCI-27   | 24.00.2027    | Jan-20      | 15  | Railway Siding              | RITES a. ISTS connectivity: Talcher 5                            | Dec-22           | Jun-25     | Jun-25 (U2)                               | 0%              | 0%              |  |  |
|     |  |               |          |               |             | 16  | Power evacuation            | a. ISTS connectivity: Talcher S<br>120kms); b. STU connectivity: |                  |            |   |                 |                 |  |  |

# **CRITICAL ISSUES**

1. Closure of Anand Bazaar – Jaganathpur Road passing through Main Plant area is awaited. This is critical in view of Safety and Security in construction area. Alternate road (Jaganathpur bypass road) has already been constructed by NTPC.

2. Relocation of Bi-weekly Haat (Anand Bazar): There is a bi-weekly market located near the entrance gate of TTPS through which trucks/ trailers carrying construction/ project materials pass. Relocation of the haat is required from NTPC land as the area becomes very crowded and is a bottleneck for safe movement of materials and Safety of public.

| DE/   | ASONS  | $\mathbf{OF}$ | DEI  | ۸V |
|-------|--------|---------------|------|----|
| K D.A | 171117 | T)r           | 1764 | A  |

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# LARA SUPER THERMAL POWER PROJECT, St-II, Unit# 1 & 2 (2X800 MW ) / NTPC (CENTRAL SECTOR)

Lara Super Thermal Power Project, Village - Chhapora, PO/PS- Pussore. Distt.-Raigarh(C.G.)-496440 E-Gen Portal Registration No. ( U#1 - 1200003870 ; U#2 - 1200003871 )

| Project Develo                                   | per / Implementing Ag<br>NTPC                   | ency -                | Main Plant Vendor (BTG) -BHEL(EPC contract) |     |                     |                               |                |  |  |
|--|---|-----------------------|---|-----|---------------------|-------------------------------|----------------|--|--|
| Unit No.   |   | LOA                   | Original Trial Run                          | ı D | Date                | Anticipated / Actual          | Trial Run Date |  |  |
| Unit#1   |   | ug-2023               | Dec-2027                                    |     |                     | Dec-2027                      | 1              |  |  |
| Unit#2   |   | Ü                     | Jun-2028                                    |     |                     | Jun-2028                      |                |  |  |
|  | CLEARANCES AND                                  | STATIC DATA           | A   |     |                     | NCIAL DATA (Fig. in )         | Rs. Crore)     |  |  |
| FUEL TYPE<br>COAL COMBUSTION                     | Coal Based Ultra-Supercritical                  |                       |   |     | ORIGINA<br>OF THE I | AL ESTIMATED COST<br>PROJECT  | 15530.00       |  |  |
| TECHNOLOGY                                       |   |                       |   |     | LATEST              | ESTIMATED COST                | 15530.00       |  |  |
| APPROVAL DATE / NTP                              | 29.08.23  |                       |   | 4   |                     |                               | 12230.00       |  |  |
|  |   |                       |   |     |                     | F FINANCIAL<br>E              |                |  |  |
| EPC/BTG/BoP Contractor<br>Details (Package Wise) | BHEL-EPC  |                       |   | Y   | YEAR WISE EXPENDIT  | TURE                          |                |  |  |
|  |   |                       |   |     |                     | 252                           |                |  |  |
| PPA  | Power allocation to follo                       | wing states as per    |   |     |                     | 2023-24                       | 500            |  |  |
|  | Gujarat, Madhya Prades                          | h, Maharashtra, G     | oa, Daman & Diu, DNH                        | -   | EXPEN               | DITURE OF Jul'2024            | 29.67          |  |  |
| COAL LINKAGE/FSA                                 | 7 MMTPA coal from Ta                            | laipalli Coal block   | callocated to NTPC                          |     | TOTAL E             | EXPENDITURE (upto 31.07.2024) | 913.24         |  |  |
| START UP POWER<br>AGREEMENT                      | To be finalised by CTU                          | o be finalised by CTU |   |     |                     |                               |                |  |  |
|  | Tx Line Developer                               | To be finalise        | d by CTU                                    |     |                     |                               |                |  |  |
| POWER EVACUATION<br>SYSTEM                       | Tx Line Name<br>Tx Voltage Level                | 1                     |   |     |                     |                               |                |  |  |
|  | Configuration of Tx Lin<br>(S/C or D/C)         | To be finalise        | d by CTU                                    |     |                     |                               |                |  |  |
| LAND POSSESSION                                  | Available; Land availab                         | e for Stage-II: ~ 5   | 220 acres                                   |     |                     |                               |                |  |  |
| WATER ALLOCATION                                 | Available; 76 cusec for Saradih Barrage (38 kms |                       | Mahanadi River, from                        |     |                     |                               |                |  |  |
| MOEF CLEARANCE                                   | Available (issued on 17.                        | 07.23)                |   |     |                     |                               |                |  |  |
| CIVIL AVIATION<br>CLEARANCE                      | Available Valid up to 17                        | 7.05.2030             |   |     |                     |                               |                |  |  |
| CPCB CLEARANCE                                   | Not applicable                                  |                       |   |     |                     |                               |                |  |  |
| SPCB CLEARANCE                                   | In Process                                      |                       |   |     |                     |                               |                |  |  |
| FOREST CLEARANCE                                 | Not applicable                                  |                       |   |     |                     |                               |                |  |  |

Status as on 31-07-2024

| No.   Actual   Actu |     | LARA SUPER                                  | RTHERM        | 1AL POV   | VER PRO       | )JECT, U   | 111161            | # T   | & 2 (2X80C        | ) MW, St-II) / NT   | PC (CE       | NTRAL     | SECTO        | R)      |                  |
|--|-----|---|---------------|-----------|---------------|------------|-------------------|-------|-------------------|---------------------|--------------|-----------|--------------|---------|------------------|
| Mathiestation   Mathiestatio |     | UNIT WISE MILESTONES                        | S ( ANTIC     | IPATED /  | ACTUAL        | )          |                   |       | STATUS C          | F MAIN PLANT PA     | CKAGE        | (BTG):    | BHEL         |         |                  |
| March   Marc |     |   | UNI           | T-01      | UNI           | T-02       | S                 | l. Pa | ackages           |                     | AREA         |           |              |         | UNIT-02          |
| Company  | S1. | MILESTONE                                   |               | Actual /  |               |            | ╽┝                |       |                   |                     |              |           |              |         | Completion       |
| Company  |     | (Tentative Dates)                           | Original Date | -         | Original Date |            |                   |       |                   |                     |              |           |              |         | 6%               |
| FOUNTION   Section   Sec |     |   |               |           |               |            |                   | 1 B   | OILER             |                     |              |           |              |         |                  |
| 3   10   10   10   10   10   10   10   |     |   |               |           |               |            | ╽┕                |       |                   | PRESSURE PARTS      |              |           |              | 0%      | 0%               |
| BIOLER CELLING CIRDER LEFTING  | 2   | START OF BOILER ERECTION                    | Oct-2024      | Oct-2024  | April-2025    | April-2025 |                   |       |                   | CIVIL               |              |           |              | 0%      | 0%               |
| Figure   Properties   Propert |     | *   |               |           |               |            |                   | 2 T   | G                 | STRUCTURE           |              |           |              | 0%      | 0%               |
| The Propose discrimental Section of Section 1  | 4   | BOILER CEILING GIRDER LIFTING<br>COMPLETION | Aug-2025      | Aug-2025  | Feb-2026      | Feb-2026   |                   |       |                   | TG ERECTION         |              |           |              | 0%      | 0%               |
| The proper proper proper   Proper p |     |   | Oct-2025      | Oct-2025  | Apr-2026      | April-2026 |                   | 3 E   | SP                | UNDER PROGRESS      |              |           |              | 14%     | 3%               |
| BOULE HYDRO TEST (DRANBALE)  | 6   | TG ERECTION START                           |               |           | May-2026      | May-2026   |                   |       |                   | CIVIL WORK          |              |           |              | 0%      | 0%               |
| Part    |     |   | Sept-2025     | Sept-2025 | Mar-2026      | Mar-2026   | .                 | 4 F   | GD                | MATERIAL SUPPLY     |              |           |              |         | 0%               |
| May   May  | Ü   | COMPLETION                                  |               |           |               |            |                   |       |                   | ERECTION WORK       |              |           |              | 0%      | 0%               |
| Image: Control   Imag |     |   | Feb-2027      | Feb-2027  | Aug-2027      | Aug-2027   | I L               |       |                   |                     |              |           |              |         |                  |
| START OF OIL FLUSHING   Dec-2026   Dec-2026   June-2026   June-2026   June-2026   June-2026   June-2027   Dec-2027   De | 4   |   | Jan-2027      | Jan-2027  | Oct-2027      | Oct-2027   |                   |       |                   | STAT                | US OF B      | OPs       |              |         |                  |
| 12   START OF OIL FLUSHING   Dec-2026   Dec-2026   June-2027   June-2027   June-2027   June-2027   June-2027   June-2027   Dec-2027   Dec-202 | -   |   | April-2027    | -         |               |            |                   |       | _                 | Vendor/Contracting  | Date of      |           |              | UNIT-01 | UNIT-02          |
| Second   S | -+  |   |               |           |               |            | S                 | 31.   | •                 | Ü                   |              |           | Date of      |         | %                |
| STEAM BLOWING START   June-2027   June-2027   Dec-2027   July-2027   July-2027   July-2027   July-2028   Peb-2028   Peb | -+  |   |               |           |               |            | <b>∤</b>          | -     | winestones        |                     | Δησ'23       |           |              | •       | Completior<br>4% |
| STEAM BLOWING START  | 14  | CHEMICAL CLEANING COMPLETION                |               |           |               |            | :                 | 1 C   | himney            | BHEL                | - MG 27      |           |              | 7/0     | 7/0              |
| Nov-2027   Nov-2028   Nov-2028  | 15  | STEAM BLOWING START                         | June-2027     | June-2027 | Dec-2027      | Dec-2027   |                   | 2 0   | oal HandlingPlant | Conveyor Package -  | Aug'23       |           |              | 0%      | 0%               |
| Table   Tabl | 7   |   |               |           |               |            | ון ו <sup>י</sup> |       | our runding run   | Wagon Tippler – NA  |              | NA        | NÂ           |         | NA               |
| May-2028   May-2028  | 16  | STEAM BLOWING COMPLETION                    | July-2027     | July-2027 | Feb-2028      | Feb-2028   |                   |       |                   | Stacker Reclaimer - | Aug'23       |           |              | 0%      | 0%               |
| ROLLING & SYNC.   College   Colleg |     |   | ,             |           |               |            |                   |       |                   |                     | _            | U#2-Jun27 | U#2-Jun27    |         | 0%               |
| ROLLING & SYNC.   Rolling & Synch & Sunch & Sunch & Sunch & Sunch & Synch & Sunch & Synch &  |     |   | Oct-2027      | Oct-2027  | April-2028    | April-2028 |                   | 4 F   | uel Oil System    | BHEL                | Aug'23       |           |              | 0%      | 0%               |
| 18   18   19   19   19   19   19   19  | 17  | ROLLING & SYNC.                             |               |           |               |            |                   | 5 C   | ooling Towers     | BHEL                | Aug'23       |           |              | 0%      | 0%               |
| Nov-2027   Nov-2027   Nov-2028   May-2028   May-2028   FULL LOAD   FULL LOAD |     |   |               |           |               |            |                   | 6 C   | W Pump            | BHEL                | Aug'23       | U#1-Sep26 | U#1-Sep26    | 0%      | 0%               |
| FULL LOAD   FULL |     |   | Nov-2027      | Nov-2027  | May-2028      | May-2028   | -                 | 7 W   | /PT Plant         | BHEL                | Aug'23       | U#1-Aug26 | U#1-Aug26    | 0%      | 0%               |
| Poc-2027   Poc-2028   Poc-2027   Poc-2028   Poc-2027   Poc-2028   Poc-2027   Poc-2028   Poc-2027   Poc-2028   Poc-2027   Poc-2028   Poc-2028  | 18  | FULL LOAD                                   |               |           |               |            |                   | 8 D   | M Plant           | BHEL                | Aug'23       | U#1-Jun26 | U#1-Jun26    | 0%      | 0%               |
| Dec-2027   Dec-2027  |     |   |               |           |               |            |                   |       |                   | BHEL                | Aug'23       | U#1-Sep26 | U#1-Sep26    | 0%      | 0%               |
| TRIALRUN   FRIALRUN   FRIALRUN  | +   |   | Dec-2027      | Dec-2027  | Jun_2028      | Jun-2028   | 1                 | _     |                   | DHEI                | Aug'23       |           |              | 0%      | 0%               |
| TRACKON  | 19  | TDIAL DUN                                   | Dec 2027      | Dec-2027  | Jun 2020      | 3th-2020   | ╽┝                | _     | •                 |                     | Δ11σ'23      |           |              | 0%      | 0%               |
| 20   20   20   3an-2028   3an-2028   3ul-2028   3ul-2 |     | TRIAL RUN                                   |               |           |               |            | l L               |       |                   | BHEL                | -            | U#2-Jun27 | U#2-Jun27    |         |                  |
| COD SHELL U#2-Aug27 U#2-Aug27 U#2-Aug27 14 Railway Siding RITES Application filed to Railways for FR approval  |     |   |               |           |               |            | l L               |       |                   | BHEL                | ŭ            | U#2-Jun26 | U#2-Jun26    |         |                  |
| 20 COD 14 Railway Siding RITES Application filed to Railways for FR approval 0%  |     |   | Jan-2028      | Jan-2028  | Jul-2028      | Jul-2028   | 1                 | 13 U  | nit Txer          | BHEL                | Aug'23       |           |              | 0%      | 0%               |
|  | 20  | COD   |               |           |               |            | 1                 | 4 R   | ailway Siding     | RITES               | Application  |           | lways for FR | 0%      | 0%               |
|  |     |   |               |           |               |            | 1                 | 5 P   | ower evacuation   | Application for     | connectivity |           |              |         |                  |
|  |     |   | l .           |           |               |            |                   |       |                   |                     |              |           |              |         |                  |

# Singrauli STPP, St-III, Unit# 8 & 9 (2X800 MW) / NTPC (CENTRAL SECTOR)

Shaktinagar, Sonebhadra, Uttar Pradesh

E-Gen Portal Registration No. ( U#8 –1200003908, U#9 –1200003909)

|                            |                      | ,                       |                                |        |                |  |
|----------------------------|----------------------|-------------------------|--------------------------------|--------|----------------|--|
| Project Developer / Implem | nenting Agency -NTPC | Main Plant Ver          | ndor - M/s BHEL (EPC contract) |        |                |  |
| Unit No.                   | LOA                  | Original Trial Run Date | Anticipated /                  | Actual | Trial Run Date |  |
| Unit#8                     | 05-03-2024           | May-29                  |                                | May-29 |                |  |
| Unit#9                     | 05-05-2024           | Nov-29                  |                                |        |                |  |

|                | CLEARANCES AND STATIC DATA                            | FINANCIAL DATA (Fig   | . in Rs. Crore) |
|----------------|---|-----------------------|-----------------|
| FUEL TYPE      | Coal, Pithead   | ORIGINAL ESTIMATED    | 17195.31        |
| COAL           | Ultra-Supercritical                                   | COST                  | 17195.51        |
| COMBUSTION     | ·   | OF THE PROJECT LATEST |                 |
| TECHNOLOGY     |   | ESTIMATED COST        | 17195.31        |
| APPROVAL       | 03.03.2024 (Investment Approval)                      | DATE OF FINANCIAL     | 03.03.2024      |
| DATE / NTP     |   | CLOSURE               | 03.03.2024      |
| PPA            | PPA signed with UPPCL, PSPCL, RUVNL, UPCL, Consent    | YEAR WISE EXPE        | NDITURE         |
|                | available from J&K                                    | 2023-24               | 28.45           |
| COAL           | 24 04 2020 NCL C 10 and E 61 MTDA                     | EXPENDITURE OF        | 12.73           |
| LINKAGE/FSA    | 21.04.2020,NCL,G-10 and 5.61 MTPA                     | June'24               | 12.75           |
| LINKAGE/F3A    |   | TOTAL EXPENDITURE     | 557             |
| START UP       | 400 kV D/C Interconnection Between VSTPP-V to         | (up to 31.07.24)      | 337             |
| POWER          | Singruali-III with twin Moose conductor.              | (0.6 0.0 0.0 1.0 1.1  |                 |
| AGREEMENT      |   |                       |                 |
| POWER          | Power evacuation proposed at 400 kV with provision of |                       |                 |
| EVACUATION     | 6 nos. outgoing line bays.                            |                       |                 |
| SYSTEM         | To be finalised by CTUIL                              |                       |                 |
| LAND           | Land is available and in possession.                  |                       |                 |
| POSSESSION     |   |                       |                 |
| WATER          | 48 cusec from Rihand reservoir                        |                       |                 |
| ALLOCATION     |   |                       |                 |
| MOEF           | Available vide MoEF&CC Letter dated 13.07.2020        |                       |                 |
| CLEARANCE      |   |                       |                 |
| CIVIL AVIATION | Available vide AAI Letter dated 27.11.2018            |                       |                 |
| CLEARANCE      |   |                       |                 |
| СРСВ           | Available   |                       |                 |
| CLEARANCE      |   |                       |                 |
| SPCB           | Available   |                       |                 |
| CLEARANCE      |   |                       |                 |
| FOREST         | Available   |                       |                 |
| CLEARANCE      |   |                       |                 |

# Singrauli STPP, St-III, Unit # 8 & 9 (2X800 MW) / NTPC (CENTRAL SECTOR)

| UN | NIT WISE MILEST              | ONES ( A            | ANTICIPA              | TFD/ AC             | ΤΙΙΔΙ )               |          | STAT                    | TUS OF M                    | ΙΔΙΝ ΡΙ ΔΙ | ΝΤ ΡΔΟΚΑ  | AGF (I | RTG- | BHFI)       |          |
|----|------------------------------|---------------------|-----------------------|---------------------|-----------------------|----------|-------------------------|-----------------------------|------------|-----------|--------|------|-------------|----------|
| 0. |                              |                     | T-08                  | ,                   | T-09                  | SI       | PACKAGE                 |                             | ARE        |           | 102 (  |      | IT-01       | UNIT-02  |
|    |                              |                     |                       |                     |                       | <u> </u> | 171010101               | CIVIL                       | 7.112.     |           |        |      | )%          | 0%       |
| SI |                              | Original<br>Date of | Actual /<br>Anticipat | Original<br>Date of | Actual /<br>Anticipat | 1        | BOILER                  | STRUCT                      | URE        |           |        | (    | )%          | 0%       |
| ٥. | Milestone                    | Completi            | ed Date               | Completi            | ed Date               |          |                         | PRESSU                      | IRE PARTS  |           |        | (    | )%          | 0%       |
|    |                              | on                  | of                    | on                  | of                    |          |                         | CIVIL                       |            |           |        |      | )%          | 0%       |
|    |                              |                     | Completi              |                     | Completi<br>on        | 2        | TG                      | STRUCT                      |            |           |        |      | 0%          | 0%       |
| 1  | Completion Of                | Nov-25              | Nov-25                | Aug-26              | Aug-26                |          | 565                     | TG ERE                      |            |           |        |      | 0%          | 0%       |
|    | Boiler Foundation            |                     |                       | J                   |                       | 3        | ESP                     | CIVIL W                     | PROGRESS   |           |        |      | 0%          | 0%<br>0% |
| 2  | Start Of Boiler              | Nov-25              | Nov-25                | Aug-26              | Aug-26                | 4        | FGD                     |                             | IAL SUPPLY |           |        |      | 0%          | 0%       |
|    | Erection                     |                     |                       |                     |                       | '        | 100                     |                             | ON WORK    |           |        |      | 0%          | 0%       |
| 3  | Boiler Ceiling               | Mar-26              | Mar-26                | Dec-26              | Dec-26                |          | <u> </u>                |                             | CTATLI     |           |        |      |             |          |
|    | Girder Lifting<br>Completion |                     |                       |                     |                       | SI       | Packages/               | Vendor/                     | Date of    | Schedule  | Ant    | ./   |             |          |
| 4  | Condenser                    | Oct-26              | Oct-26                | Jul-27              | Jul-27                |          | Linked Project          | Contracti                   | Award      | d Date of | Actu   |      |             |          |
|    | Erection Start               |                     |                       |                     |                       |          | Milestones              | ng                          |            | Comp.     | Date   |      | UNIT 08     | UNIT 09  |
| 5  | TG Erection Start            | Nov-26              | Nov-26                | Aug-27              | Aug-27                |          |                         | Agency                      |            |           | Com    | ıp.  |             |          |
| 6  | HP Piping Erection           | Jun-26              | Jun-26                | Mar-27              | Mar-27                | 1        | China a a               | (DPSI)                      |            |           |        |      | 00/         | 0%       |
|    | Start                        |                     |                       |                     |                       | 1        | Chimney                 | B                           |            |           |        |      | 0%<br>0%    | 0%       |
| 7  | Boiler Hydro Test            | Sep-27              | Sep-27                | Jun-28              | Jun-28                | 2        | Coal Handling           | BHEL                        |            |           |        |      | 0%          | 0%       |
|    | (Drainable) Completion       |                     |                       |                     |                       |          | Plant                   | ;::                         |            |           |        |      | 0%          | 0%       |
| 8  | Boiler Hydro Test            | Nov-27              | Nov-27                | Aug-28              | Aug-28                | 3        | Ash Handling            | S.                          |            |           |        |      | 0%          | 0%       |
|    | (Non-Drainable)              |                     |                       |                     |                       |          | Plant                   | ⊒.                          |            |           |        |      |             |          |
|    | Completion                   |                     |                       |                     |                       |          | Fuel Oil                | p                           |            |           |        |      | 0%          | 0%       |
| 9  | TG BOX UP                    | Mar-28              | Mar-28                | Dec-28              | Dec-28                |          | System Cooling          | process                     |            |           |        |      | 0%          | 0%       |
| 10 | HP Piping Erection           | May-28              | May-28                | Feb-29              | Feb-29                |          | Towers                  | e                           |            |           |        |      | •,-         | 2,1      |
|    | Completion                   |                     |                       |                     |                       | 6        | CW Pump                 |                             |            |           |        |      | 0%          | 0%       |
| 11 | Start Of Oil                 | Apr-28              | Apr-28                | Jan-29              | Jan-29                |          | house                   | of                          |            |           |        |      |             |          |
| 12 | Flushing                     | May-28              | May-28                | Feb-29              | Feb-29                |          | WPT Plant               | #                           |            |           |        |      | 0%          | 0%       |
| 12 | Boiler Light Up              | IVIAY-20            | ividy-20              | Feb-29              | Feb-29                |          | DM Plant<br>Compressed  | ğ                           |            |           |        |      | 0%<br>0%    | 0%<br>0% |
| 13 | Chemical Cleaning            | Jun-28              | Jun-28                | Mar-29              | Mar-29                |          | Air System              | de                          |            |           |        |      | 070         | 070      |
| 14 | Completion Steam Blowing     | Aug 20              | A.v. 20               | May 20              | May-29                | 10       | Fire Protection         | :                           |            |           |        |      | 0%          | 0%       |
| 14 | Start                        | Aug-28              | Aug-28                | May-29              | iviay-29              |          | System                  |                             |            |           |        |      |             |          |
| 15 | Steam Blowing                | Sep-28              | Sep-28                | Jun-29              | Jun-29                | 11       | Switch Yard             | Ω:                          |            |           |        |      | 0%          | 0%       |
|    | Completion                   |                     |                       |                     |                       |          | Station<br>Transformers | ≦.                          |            |           |        |      | 0%          | 0%       |
| 16 | Rolling & Sync.              | Mar-29              | Mar-29                | Dec-29              | Dec-29                |          | Unit                    | P                           |            |           |        |      | 0%          | 0%       |
| 17 | Full Load                    | Apr-29              | Apr-29                | Jan-30              | Jan-30                |          | Transformers            | of tendering Civil Packages |            |           |        |      |             |          |
| 18 | Trial Run                    | May-29              | May-29                | Nov-29              | Nov-29                | 14<br>15 | Railway Siding<br>Power | 36)                         |            |           |        |      | 0%<br>0%    | 0%       |
| 19 |                              | Jun-29              | Jun-29                | Mar-30              | Mar-30                | 13       | Evacuation              | je:                         |            |           |        |      | <b>3</b> /0 | 370      |
| 19 | COD                          | Juli-23             | Juli-23               | Iviai-30            | iviai-30              |          | Lines                   | 0,                          |            |           |        |      |             |          |

| CRITI | CAL . | AREAS |
|-------|-------|-------|
|       |       |       |

| REASONS OF DELAY |  |  |
|------------------|--|--|
|                  |  |  |

# GHATAMPUR THERMAL POWER PROJECT, Unit# 1, 2 & 3 (3x660 MW) / NUPPL (CENTRAL SECTOR)

Near Village Lahurimau-Kasimpur, Ghatampur Tehsil, P.O.: Samuhi-209206, Kanpur Nagar District, Uttar Pradesh E-Gen Portal Registration No. (U#1 - 1200002439; U#2 - 1200002440; U#3 - 1200002441)

| Project Develo                                   | per / Implementing Agenc<br>NUPPL                           | •   | Main Plant  |    |                                | M/s L&T/MHI, TG- M/  | s GE           |  |
|--|---|---|---|----|--------------------------------|----------------------|----------------|--|
| Unit No.   | Lo  | OA  | Original Trial Run  | Da | ite                            | Anticipated / Actual | Trial Run Date |  |
| Unit#1   |   |   | May-2020  |    | Sep-                           |                      |                |  |
| Unit#2   | Aug-2   | 2016  | Nov-2020  |    |                                | Dec-2024             |                |  |
| Unit#3   |   |   | May-2021  |    |                                | Mar-2025             |                |  |
|  | CLEARANCES AND ST   | TATIC DAT   | A   |    | FINANCIAL DATA (Fig. in Rs. Cr |                      |                |  |
| FUEL TYPE  | Coal, Indigenous  |   |   |    |                                | L ESTIMATED COST     | 17237.80       |  |
| COAL COMBUSTION TECHNOLOGY                       | Supercritical   |   |   |    | OF THE P                       |                      |                |  |
| APPROVAL DATE / NTP                              | GoI Sanction - 27.07.2016                                   | tion - 27.07.2016   |   |    |                                | ESTIMATED COST       | 19406.12       |  |
|  | Boilers Pvt. Ltd/ LoA Date-                                 | Details: 1. SG Package (GA1)- L&T-MHI Power<br>Ltd/ LoA Date-02-08-2016 |   |    |                                | FINANCIAL<br>E       | 22.06.2021     |  |
| EPC/BTG/BoP Contractor<br>Details (Package Wise) | 2. TG Package (GA2)- GE I<br>02-08-2016                     |   |   |    | Y                              | EAR WISE EXPENDIT    | TURE           |  |
|  | 3. BoP Package (GA3)- BG<br>2016                            | R Energy Syst   | ems Ltd / LoA Date-21-11-   |    |                                | 2016-17              | 927.76         |  |
| PPA  | 75% PPA Signed with Uttar<br>Ltd.(UPPCL). Balance 25%       |   | •   |    |                                | 2017-18              | 1228.45        |  |
|  | Allocation Date- 03.10.201                                  |   |   |    |                                | 2018-19              | 3517.83        |  |
|  |   | serve - 262.84  | 4MT; Pachwara South Coal  |    | 2019-20                        |                      | 3525.17        |  |
| COAL LINKAGE/FSA                                 | will be able to meet the coal                               | l requirement o   | f Financial Year 2026-27 and of NUPPL. Hence, NUPPL is                  |    |                                | 2020-21              | 2260.09        |  |
|  | seeking coal under bridge<br>Block will be fully function   |   | e time Pachwara South Coal  |    |                                | 2021-22              | 1901.77        |  |
| START UP POWER                                   | There are four incoming lin are from: 1. Sarh-1 to NUP      |   |   |    |                                | 2022-23              | 1511.60        |  |
| AGREEMENT  | NUPPL, 4. Hamirpur to NU we are availing power throu        |   |   |    | 2023-24                        |                      | 1920.57        |  |
|  | Sarh-2 to NUPPL).   |   |   |    | EXPENDITURE OF JULY'2024       |                      | 287.57         |  |
|  |   | 1   |   |    | TOTA                           | 17662.35             |                |  |
|  | Tx Line Developer   | M/S GTL   |   |    | (u                             | pto 31.07.2024)      |                |  |
| POWER EVACUATION<br>SYSTEM                       | Tx Line Name<br>Tx Voltage Level                            | ii) 765 KV, S.<br>Line;   | C, Ghatampur-Agra line;<br>/C, Ghatampur- Hapur<br>D/C,Ghatampur-Kanpur |    |                                |                      |                |  |
|  | Configuration of Tx Line (S/C or D/C)                       | Both  |   |    |                                |                      |                |  |
| LAND POSSESSION                                  | Total Pocket land-52.33 Ha<br>land registered/ Acquired-4   |   | l approval); Total Pocket as per current reconciliation);               |    |                                |                      |                |  |
| WATER ALLOCATION                                 | 80 cusec from UP Irrigation                                 | department (4   | 14.6 km from GTPP)  |    |                                |                      |                |  |
| MOEF CLEARANCE                                   | Clearance obtained date fro validity of it (If any).:- 7 Ye | ears  | •   |    |                                |                      |                |  |
| CIVIL AVIATION<br>CLEARANCE                      | Clearance obtained date fro<br>Validity: - 5 Years, NUPPI   |   | uthority:- 13.12.2013 upliance to AAI regarding the                     |    |                                |                      |                |  |
| CPCB CLEARANCE                                   | NOT APPLICABLE  |   |   |    |                                |                      |                |  |
| SPCB CLEARANCE                                   | Clearance obtained date fro validity of it 5 Years          | m concerned a   | uthority,:- 17.11.2017;   |    |                                |                      |                |  |
| FOREST CLEARANCE                                 | NOT APPLICABLE  |   |   | L  |                                |                      |                |  |

## GHATAMPUR THERMAL POWER PROJECT, Unit# 1, 2 & 3 (3x660 MW) / NUPPL (CENTRAL SECTOR) STATUS OF MAIN PLANT PACKAGE (BTG): SG - L&T MHI, TG - GE UNIT WISE MILESTONES ANTICIPATED / ACTUAL ) UNIT-01 UNIT-02 UNIT-03 UNIT-01 UNIT-02 UNIT-03 Packages **AREA** Original Original Original Da % Completion % Completion % Completion S1. d / Actual d / Actual d / Actua Date of Date of Milestones Date of Date of Date of CIVIL 97% Completi Completio Completion Completi Completi Completi **BOILER** STRUCTURE 99% 98% 97% COMPLETION OF BOILER FOUNDATION PRESSURE PARTS 100% 100% 01.01.201 01.07.201 21.10.202 28.12.2017 29.01.202 100% START OF BOILER ERECTION 01.09.201 01.03.201 30.06.201 28.08.2018 04.12.201 CIVIL 100% 100% 99% 2. TG BOILER DRUM LIFTING (if sub-critical unit) STRUCTURE 100% 100% 100% BOILER CEILING GIRDER LIFTING COMPLETION 01.05.2018 01.11.201 04.04.201 01.05.2019 CONDENSER ERECTION START 9.07.201 19.01.201 19.07.2019 ESP **UNDER PROGRESS** 100% 100% 99% TG ERECTION START 3.07.201 03.01.20 03.07.201 0.04.20 CIVIL WORK GA-3 Package material shifting from FGD area is HP PIPING ERECTION START 2.01.2019 12.07.201 21.02.201 12.01.2019 MATERIAL SUPPLY **FGD** under progress, 1900Mt of GA-3 material already BOILER HYDRO TEST (DRAINABLE) NA ERECTION WORK shifted. COMPLETION 01.11.2019 24.02.2021 29.08.2021 BOILER HYDRO TEST (NON-DRAINABLE) 01.05.2019 06.01.2020 01.05.2020 STATUS OF BOPs UNIT-01 UNIT-02 UNIT-03 Scheduled 02.07.2019 23.10.2019 02.01.2020 15.05.202 02.07.2020 15.12.2022 Packages/ Linked Vendor/Contracting 10 TG BOX UP Date of Date of Project Milestones Award Agency(M/s % Completion % Completion % Completion Completio Completion BGR) HP PIPING ERECTION COMPLETION 10.06.2020 28.02.202 12.06.2020 30.06.202 Chimney BGR Energy System Ltd. 21.11.2016 20.11.2019 U1-Aug 24; 84% 45% U2-Sep 24; Conveyor Pkg – BGR Energy 21 11 201 20.07.2019 Aug24, Oct 24 82% 19% 9% START OF OILFLUSHING 07.11.202 30.11.2020 Aug-24 2 Coal Handling Plant Wagon Tippler -70% U2&3-Jan20 12&3-Oct 2 Stacker Reclaimer - BGR 21.11.201 SR1-Oct 24 27% BOILER LIGHT UP 80 11 2019 30.05.2020 Sep-24 30.11.2020 Nov-24 nergy System Ltd. J2&3-Feb2 Ash Handling Plant BGR Energy System Ltd. 21.11.2010 Jul19, Mar20 Aug24. 69% 74% 58% lov24. Jan2 L&T MHI Power Boilers Pv 21.11.201 Fuel Oil System 24.10.2019 Aug-24 99% CHEMICAL CLEANING COMPLETION 30.10.2019 24.07.2021 30.04.2020 Aug-24 30.10.2020 Oct-24 Cooling Towers BGR Energy System Ltd. 21.11.2016 20.11.2020 124, Oct24 100% Civil: 70%, Mech. 0% Civil:42%, Mech. 0% CW Pump house BGR Energy System Ltd. 21.11.201 20.11.2020 11024 Aug2 STEAM BLOWING START 30.05.2020 Sep-24 30.11.2020 Nov-24 Sep24 WPT Plant 21.11.2010 20.04.2019 Aug-24 BGR Energy System Ltd. 99% DM Plant BGR Energy System Ltd. 21.11.2016 20.04.2019 Feb-22 (A 100% STEAM BLOWING COMPLETION 30.01.2020 13.08.2022 15.06.2020 Oct-24 15.12.2020 Dec-24 Compressed Air System 02.08.201 20.07.2019 Mar-23 (A) 100% Fire Protection System BGR Energy System Ltd. 21.11.2016 20.11.2020 Aug24, Oct2 70% 15% 4% ROLLING & SYNC. 01.03.2020 31.08.2020 Oct-24 01.03.2021 Jan-25 Dec24 11 Switch Yard 21.11.2016 20.02.2020 Jan'25 BGR Energy System Ltd. 400kV-59%, 765kV-96%, Outdoor Switchyard-88% Station Transformers 02.08.201 Apr19, Oct1 18 FULL LOAD 01.04.2020 Sep-24 31.10.2020 01.04.2021 Feb-25 Apr20 Aug-24 13 Unit Transformers 02.08.2016 Apr19, Oct19 95.0% Apr20 14 Railway Siding RITES 29.03.2019 28.03.2021 Dec-24 Civil work - 99.54% Electrical - 98% 19 TRIAL RUN 29.05.20 27.11.20 29.05.21 Mar-25 26.02.2020 7.05.2020(4 400kV GTPS-Kanpur -100% Power Evacuation Lines Ghatampur Transmission Ltd 12.06.2018 7.03.2021( 26.09.2020 765kV GTPS-Agra -100% 20 COD 01.06.20 Oct-24 30.11.20 Ian-25 01.06.21 Apr-25 26.03.2021 25.12.2021(/ 765kV GTPS-Hapur - 100%

## **CRITICAL ISSUES**

- Slow work progress in BoP areas i.e. CHP, AHP areas.
- Delay in material supply in CHP (Wagon Tippler, S/R)
- Delay in completion of conveyor gallery from mobile crusher to Tippler Floor

# REASONS OF DELAY

Work of BoP areas had been put on hold in August 2021 site due to financial issues being faced by M/s BGR.

# NLC TALABIRA TPP, Unit# 1, 2 & 3 (3X800 MW) / NLC (CENTRAL SECTOR)

Office of the CGM & Project Head, Talabira Thermal Power Project, NLC India Ltd, Ainthapalli, Sambalpur – 768 001 E-Gen Portal Registration No. (U#1 - 1200003602 ; U#2 - 1200003603 ; U#3 - 1200003604 )

| Project Developer / Implementin | ng Agency -NLCIL | Main Plant Vendor - M/s BHEL (EPC contract) |                                     |  |  |  |  |
|---------------------------------|------------------|---|-------------------------------------|--|--|--|--|
| Unit No.                        | LOA              | Original Trial Run Date                     | Anticipated / Actual Trial Run Date |  |  |  |  |
| Unit#1                          |                  | May-2028 (Tentative) May                    |                                     |  |  |  |  |
| Unit#2                          | 12-01-2024       | Nov-2028 (Tentative)                        | Nov-2028 (Tentative)                |  |  |  |  |
| Unit#3                          |                  | Apr-2029 (Tentative)                        | Apr-2029 (Tentative)                |  |  |  |  |

| CLEARANCES AND S | STATIC DATA  | FINANCIAL DATA (Fig. in R  | Rs. Crore) |
|------------------|--|----------------------------|------------|
| FUEL TYPE        | Coal, Pithead  | ORIGINAL ESTIMATED         | 19,422.44  |
|                  | ·  | COST OF THE PROJECT        | ,          |
| COAL             | Ultra-Supercritical  | LATEST ESTIMATED           | 27,212.96  |
| COMBUSTION       |  | COST                       | ,          |
| TECHNOLOGY       | NUMBER STATE OF THE STATE OF TH | DATE OF FINANCIAL          |            |
| APPROVAL DATE /  | NTP - Within 11 months from the date of submission   | CLOSURE                    |            |
| NTP              | of price bid (29.12.2023) "100% PPA available.   | YEAR WISE EXPENDITURE      | 3          |
| PPA              |  | 2017-18                    | 1.01       |
|                  | PPA signed with:<br>a) TANGEDCO for 1500 MW on 16.03.2022(62.50%)  | 2018-19                    | 28.3       |
|                  | b) Puducherry Electricity Dept for 100 MW on   | 2019-20                    | 2.82       |
|                  | 09.05.2022 (4.17%)   | 2020-21                    | 2.05       |
|                  | c) KSEBL for 400 MW on 19.10.2022 (16.67%)   | 2021-22                    | 21.31      |
|                  | d) GRIDCO for 400 MW on 28.09.2023 (16.67%)"   | 2022-23                    | 519.40     |
| COAL             | Coal Linkage from Talabira II & III OCP 10.56  | 2023-24 (tentative)        | 246.96     |
| LINKAGE/FSA      | Million Tonnes of coal per annum. GCV of about 3700  | Expenditure of July'24     | 5.57       |
| LITAKAOL/I SA    | kCal/kg. [Grade: G-12]   | TOTAL EXPENDITURE          | 960.52     |
|                  |  | (up to 31.07.24-tentative) | 300.02     |
| START UP POWER   | Start up power will be drawn from CTU network,   | ()                         |            |
| AGREEMENT        | planned at 36th month from the date of NTP. Start up   |                            |            |
|                  | power agreement will be made with ERLDC as per   |                            |            |
|                  | CERC guidelines and prior to 36th month.   |                            |            |
| POWER            | Out of 2400 MW project, the 2000 MW will be  |                            |            |
| EVACUATION       | connected at CTU substation, and 400 MW will be  |                            |            |
| SYSTEM           | connected at STU substation. The power required for  |                            |            |
|                  | Interstate Transmission will be evacuated through 2  |                            |            |
|                  | Nos. D/C 765 KV transmission lines (LILO) to   |                            |            |
|                  | Jharsuguda (Sundargarh) Substation & Angul   |                            |            |
|                  | Substation of PGCIL, which is at a distance of about 25  |                            |            |
|                  | km. The power required for the state of Odisha will be   |                            |            |
|                  | evacuated through 1 no. D/C 400 kV transmission line   |                            |            |
|                  | to nearby OPTCL Substation (Lapanga).  |                            |            |
| LAND POSSESSION  | "Requirement- 1694.5 Ac.   |                            |            |
|                  | Advance Posession: 692 Ac.   |                            |            |
|                  | Land in Use: 0 Ac."  |                            |            |
| WATER            | The Govt. of Odisha has granted approval for 90  |                            |            |
| ALLOCATION       | cusecs for the Phase-I 3X 800 MW and Phase-II  |                            |            |
| 112200111101     | 1x800 MW project from Hirakud Reservoir.   |                            |            |
| MOFF             |  |                            |            |
| MOEF             | "EC Obtained on 02.02.2021   |                            |            |
| CLEARANCE        | (Validity 7 years from 02.02.2021)"  |                            |            |
| CIVIL AVIATION   | Obtained on 18.07.2018 from AAI  |                            |            |
| CLEARANCE        |  |                            |            |
| CPCB             | Not Applicable   |                            |            |
| CLEARANCE        |  |                            |            |
| SPCB CLEARANCE   | Not Applicable   |                            |            |
| FOREST           | Not Applicable   |                            |            |
| CLEARANCE        | 11   |                            |            |
|                  |  |                            |            |

# NLC TALABIRA TPP, Unit# 1, 2 & 3 (3X800 MW) / NLC (CENTRAL SECTOR)

| UNIT WISE MILESTONES (ANTICIPATED / ACTUAL ) |                  |          |           |          |           |          | STATUS OF MAIN PLANT PACKAGE (BTG) - M/s BHEL |     |         |           |          |        |           |           |         |         |  |       |
|--|------------------|----------|-----------|----------|-----------|----------|---|-----|---------|-----------|----------|--------|-----------|-----------|---------|---------|--|-------|
|  |                  | UNI      | T-01      | UNI      | T-02      |          | IT-03   | SI  |         | PACKAGI   |          | AREA   |           | UN        | IT-01   | UNIT-02 | UNI  | IT-03 |
|  |                  | Original | Actual /  | Original | Actual /  | Original | Actual /                                      |     |         |           |          | CIVIL  |           |           |         |         |  |       |
|  |                  | Date of  | Anticipat | Date of  | Anticipat | Date of  | Anticipat                                     | 1   |         | BOILER    |          | STRUC  | CTURE     |           |         |         |  |       |
| SI.  | Milestone        | Completi | ed Date   | Completi | ed Date   | Completi | ed Date                                       |     |         |           |          | PRESS  | URE PART  | S         |         |         |  |       |
|  |                  | on       | of        | on       | of        | on       | of  |     |         |           |          | CIVIL  |           |           |         |         |  |       |
|  |                  |          | Completi  |          | Completi  |          | Completi                                      | 2   |         | TG        | -        | STRUC  | CTURE     |           |         |         |  |       |
|  |                  |          | on        |          | on        |          | on  |     |         |           |          |        | ECTION    |           |         |         |  |       |
| 1  | Completion Of    |          |           |          |           |          |   | 3   |         | ESP       |          |        | R PROGRE  | SS        |         |         |  |       |
|  | Boiler           |          |           |          |           |          |   |     |         |           |          | CIVIL  |           | 35        |         |         |  |       |
|  | Foundation       |          |           |          |           |          |   | 4   |         | FGD       |          |        | RIAL SUPP | IV        |         |         |  |       |
| 2  | Start Of Boiler  |          |           |          |           |          |   | -   |         | TOD       |          |        | TION WORL |           |         |         |  |       |
|  | Erection         |          |           |          |           |          |   |     |         |           |          |        |           | •         |         |         |  |       |
| 3  | Boiler Ceiling   |          |           |          |           |          |   |     |         |           |          |        | STATUS O  | F BOPs    |         |         |  |       |
|  | Girder Lifting   |          |           |          |           |          |   | S1. | Packag  | ges/      | Vendor/  | Contra | Date of   | Schedule  | Ant/    |         |  |       |
|  | Completion       |          |           |          |           |          |   |     |         | d Project | cting Ag | ency   | Award     | d Date of | Actual  | TINIT   | TINIT  | TINIT |
| 4  | Condenser        |          |           |          |           |          |   |     | Milest  | ones      | (DPSI)   |        |           | Comp.     | Date of | UNI     | UNI  | UNI   |
|  | Erection Start   |          |           |          |           |          |   |     |         |           |          |        |           |           | Comp.   | T01     | T02  | T03   |
| 5  | TG Erection      |          |           |          |           |          |   |     |         |           |          |        |           |           |         |         |  |       |
|  | Start            |          |           |          |           |          |   | 1   | Chimr   | nev       |          |        |           |           |         |         |  |       |
| 6  | HP Piping        |          |           |          |           |          |   |     |         |           |          |        |           |           |         |         |  |       |
|  | Erection Start   |          |           |          |           |          |   | 2   | Coal F  | Handling  |          |        |           |           |         |         |  |       |
| 7  | Boiler Hydro     |          |           |          |           |          |   |     | Plant   |           |          |        |           |           |         |         |  |       |
|  | Test (Drainable) |          |           |          |           |          |   | 3   | Ash H   | andling   |          |        |           |           |         |         |  |       |
|  | Completion       |          |           |          |           |          |   |     | Plant   | anding    |          |        |           |           |         |         |  |       |
| 8  | Boiler Hydro     |          |           |          |           |          |   | 4   | Fuel C  | )il       |          |        |           |           |         |         |  |       |
|  | Test (Non-       |          |           |          |           |          |   | '   | Systen  |           |          |        |           |           |         |         |  |       |
|  | Drainable)       |          |           |          |           |          |   | 5   | Coolin  |           |          |        |           |           |         |         |  |       |
|  | Completion       |          |           |          |           |          |   |     | Tower   |           |          |        |           |           |         |         |  |       |
| 9  | TG BOX UP        |          |           |          |           |          |   | 6   | CW P    |           |          |        |           |           |         |         |  |       |
| 10   | HP Piping        |          |           |          |           |          |   |     | house   |           |          |        |           |           |         |         |  |       |
|  | Erection         |          |           |          |           |          |   | 7   | WPT I   |           |          |        |           |           |         |         |  |       |
|  | Completion       |          |           |          |           |          |   | 8   | DM P    | lant      |          |        |           |           |         |         |  |       |
| 11   | Start Of Oil     |          |           |          |           |          |   | 9   | Comp    |           |          |        |           | 1         |         |         | <u>†                                      </u> |       |
|  | Flushing         |          | 1         |          | <b></b>   | 1        | <u> </u>                                      | _   | Air Sy  | stem      |          |        |           | 1         |         |         |  |       |
| 12   | Boiler Light Up  |          | 1         |          | <b></b>   | 1        | <u> </u>                                      | 10  |         | rotection |          |        |           | 1         |         |         | <b>†</b>                                       |       |
| 13   | Chemical         |          |           |          |           |          |   |     | Systen  |           |          |        |           |           |         |         |  |       |
|  | Cleaning         |          |           |          |           |          |   | 11  | Switch  |           |          |        |           |           |         |         |  |       |
|  | Completion       |          | ļ         |          | <b></b>   | ļ        | ļ   | 12  | Station |           |          |        |           | 1         |         |         | <u>†                                      </u> |       |
| 14   | Steam Blowing    |          |           |          |           |          |   | 1.2 | Transf  | formers   |          |        |           |           |         |         |  |       |
|  | Start            |          |           |          | ļ         |          |   | 13  | Unit    |           |          |        |           | 1         |         |         |  |       |
| 15   | Steam Blowing    |          |           |          | 1         |          |   | 1.0 |         | formers   |          |        |           | 1         |         |         |  |       |
|  | Completion       |          | ļ         |          | <b></b>   | ļ        | ļ   | 14  | Railwa  | ay Siding |          |        |           | 1         |         |         | <u>†                                      </u> |       |
| 16   | Rolling & Sync.  |          |           |          | ļ         |          |   | 15  | Power   |           | t        |        |           | 1         |         |         | †  |       |
| 17   | Full Load        |          | 1         |          | <b></b>   | 1        | <u> </u>                                      | 15  | Evacu   |           |          |        |           | 1         |         |         |  |       |
| 18   | Trial Run        |          |           |          | ļ         |          |   |     | Lines   |           |          |        |           |           |         |         |  |       |
| 19   | COD              |          |           |          |           |          |   |     |         |           |          |        | 1         |           |         |         |  |       |

# CRITICAL AREAS

Land Acquisition

# REASONS OF DELAY

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KHURJA STPP, Unit# 1 & 2 (2x660 MW) / THDC (CENTRAL SECTOR)

Khurja, Distt.-Bulandshahar, Uttar Pradesh -203 131

E-Gen Portal Registration No. (U#1 - 1200002023; U#2 - 1200002024)

| Project Develo                                | per / Implementing Agen  |                            | . (U#1 - 1200002023; U#<br>Main Plant Vendor: SO         |          |                | -                    |                |
|---|--|----------------------------|--|----------|----------------|----------------------|----------------|
| Unit No.                                      | THDC   | .OA                        | Original Trial Run                                       | <u> </u> | Into           | Anticipated / Actual | Trial Run Date |
| Unit#1  |  |                            | Jul-2023   | עו       | ale            | Oct-2024             |                |
| Unit#2  | Aug-20   | )19                        | Jan-2024   |          |                | Dec-202              |                |
|   | CLEARANCES AND S   | TATIC DAT                  |  | П        | FINA           | NCIAL DATA (Fig. in  |                |
| FUEL TYPE<br>COAL COMBUSTION                  | Coal, Indigenous   |                            |  |          |                | L ESTIMATED COST     |                |
| TECHNOLOGY                                    | Ultra Supercritical  |                            |  |          | LATEST         | Not Revised          |                |
| APPROVAL DATE / NTP<br>EPC/BTG/BoP Contractor |  | ith respect to Ar          | ward of Main Plant Package                               | ┨╏       | DATEOE         | FINANCIAL            |                |
| Details (Package Wise)                        | i.e. Steam Generator & Ass   |                            |  |          | CLOSURI        |                      |                |
|   | have been signed by THCI   | OIL prior to 05.0          | enerated from Khurja STPP<br>01.2011 with Uttar Pradesh, |          | Y              | YEAR WISE EXPENDI    | ΓURE           |
| PPA   | Uttrakhand, Rajasthan, Hii MW, 60% power (792 MV)  | V) is to be suppl          | lied to UP & balance 40%                                 |          |                | 2016-17              | 338.92         |
|   | power (528 MW) is to be sallocation to be done by M  |                            |  |          |                | 2017-18              | 10.66          |
|   | For Coal linkage, Ministry dtd.17.01.2017 has allotted   | l Amelia Coal M            | Aine in District Singraulli,                             |          |                | 2018-19              | 148.87         |
| COAL LINKAGE/FSA                              | Madhya Pradesh to THDC project. Grade of Coal: G9  | (Avg. $GCV = 4$            | 4746 Kcal/Kg). Net                                       |          |                | 2019-20              | 439.95         |
|   | Geological Reserve in Amout of this Extractable Coa  |                            | is 162.05 Million Ton (OC)<br>9.48 Million Ton.          |          |                | 2020-21              | 789.69         |
|   | Connectivity has been gran<br>NoC/CTU/N/05/12000024  |                            | le its letter<br>2020 for evacuation of 528              |          |                | 2021-22              | 2158.93        |
| START UP POWER                                | MW power from Khurja (2<br>Signing of Connectivity ag  | reement is unde            | er process. In line with the                             |          |                | 2022-23              | 2825.84        |
| AGREEMENT                                     |  | ower Grid Corpo            | oration Of India Limited and                             |          |                | 2023-24              | 3145.21        |
|   | is likely to completed by Ju<br>RLDC for availing start up   |                            | after THDCIL will request ERC Regulations.               |          | EXPEND         | ITURE OF July'2024   | 196.95         |
| POWER EVACUATION<br>SYSTEM                    | Tx Line Developer  Tx Line Name Tx Voltage Level   | line (PGC<br>ii) Aligarh-S | ΓΡΡ- Aligarh 400 KV, D/C                                 |          | TOTAL<br>(upto | 10942.43             |                |
|   | Configuration of Tx Line (S/C or D/C)  | D/C                        |  |          |                |                      |                |
| LAND POSSESSION                               | Small Patches of land with<br>Acre land by UPSIDC and  |                            |  |          |                |                      |                |
| WATER ALLOCATION                              | Formal water commitment<br>Makeup Water System from<br>Project site issued by Water<br>12.06.2014. | m Upper Ganga              | Canal at just 11 Km from                                 |          |                |                      |                |
| MOEF CLEARANCE                                | ed to Khurja STPP by<br>ipto 29.03.2024.   |                            |  |          |                |                      |                |
| CIVIL AVIATION<br>CLEARANCE                   | Clearance for construction obtained from Airport Aut validity up to 17.07.2023.                    | -                          | -  |          |                |                      |                |
| CPCB CLEARANCE                                | NOT APPLICABLE   |                            |  |          |                |                      |                |
| SPCB CLEARANCE                                | "Consent to Establish" has 13.06.2018 with validity u  |                            | -  |          |                |                      |                |
| FOREST CLEARANCE                              | NOT APPLICABLE   |                            | 1  |          |                |                      |                |

|     | KHURJA SUPER STPP, Unit# 1 & 2 (2x660 MW) / THDC (CENTRAL SECTOR) |               |             |               |   |    |   |  |                           |                           |                                  |   |  |  |
|-----|---|---------------|-------------|---------------|---|----|---|--|---------------------------|---------------------------|----------------------------------|---|--|--|
|     | UNIT WISE MILESTONE   |               |             |               | STATUS OF MAIN PLANT PACKAGE (BTG): SG:L&T MHI, |    |   |  |                           |                           |                                  | TG: BHEL                                |  |  |
|     |   | UNI           | T-01        | UNI           | IT-02   | CI | D 1                                     |  | ADEA                      |                           |                                  | UNIT-01                                 | UNIT-02                                |  |
| G1  | MILEGEONE   |               | Actual /    |               | Actual /  | 51 | . Packages                              |  | AREA                      |                           |                                  | %                                       | %                                      |  |
| S1. | MILESTONE   | Original Date | Anticipated | Original Date | Anticipated                                     |    |   | CIVIL  |                           |                           |                                  | 100%                                    | 100%                                   |  |
|     |   |               | Date        |               | Date  | 1  | BOILER                                  | STRUCTURE  |                           |                           |                                  | 96%                                     | 67%                                    |  |
| 1   | COMPLETION OF BOILER FOUNDATION                                   | 29.09.2020    | 20.01.2021  | 29.03.2021    | 15.11.2021                                      |    |   | PRESSURE PARTS   |                           |                           |                                  | 100%                                    | 100%                                   |  |
| 2   | START OF BOILER ERECTION  | 29.10.2020    | 20.02.2021  | 29.04.2021    | 17.08.2021                                      |    |   | CIVIL  |                           |                           |                                  | 100%                                    | 100%                                   |  |
| 3   | BOILER DRUM LIFTING (if sub-critical unit)                        | N             | ĪΑ          | N             | ĪΑ  | 2  | TG                                      | STRUCTURE  |                           |                           |                                  | 100%                                    | 100%                                   |  |
| 4   | BOILER CEILING GIRDER LIFTING<br>COMPLETION                       | 28.05.2021    | 12.02.2022  | 28.11.2021    | 09.09.2022                                      |    |   | PRESSURE PARTS   |                           |                           |                                  | 100%                                    | 85%                                    |  |
| 5   | CONDENSER ERECTION START  | 02.09.2021    | 25.03.2022  | 19.01.2022    | 19.01.2023                                      | 3  | ESP                                     | UNDER PROGRESS   |                           |                           |                                  | 97%                                     | 17%                                    |  |
| 6   | TG ERECTION START   | 03.09.2021    | 25.05.2022  | 03.03.2022    | 25.02.2023                                      |    |   | CIVIL WORK   |                           |                           |                                  | 100 % RCC<br>completed                  | 95%                                    |  |
| 7   | HP PIPING ERECTION START  | 28.06.2021    | 20.10.2022  | 28.12.2021    | 28.02.2023                                      | 4  | FGD                                     | CIVIE WORK   |                           |                           |                                  |   |  |  |
| 8   | BOILER HYDRO TEST (DRAINABLE)<br>COMPLETION                       | 29.05.2022    | 15.03.2023  | 29.11.2022    | 02.11.2023                                      | -  | TGD                                     | MATERIAL SUPPLY  |                           |                           |                                  | 99%                                     | 93                                     |  |
| 9   | BOILER HYDRO TEST (NON-DRAINABLE)<br>COMPLETION                   | NA            | NA          | NA            | NA  |    |   | ERECTION WORK  |                           |                           |                                  | 97 %                                    | 37%                                    |  |
| 10  | TG BOX UP   | 04.08.2022    | 20.07.2023  | 04.02.2023    | 25.06.24  |    |   | STAT   | US OF B                   | OPs                       |                                  |   |  |  |
| 11  | HP PIPING ERECTION COMPLETION                                     | 26.10.2022    | 15.01.24    | 26.04.2023    | Aug-24  |    | Dealer and Links I                      | Was last Caster time Assessed                              | Datasef                   | Scheduled                 | Anticipated                      | UNIT-01                                 | UNIT-02                                |  |
| 12  | BOILER LIGHT UP   | 29.10.2022    | Mar-24      | 29.04.2023    | Oct-24  | SI | Packages/ Linked<br>Project Milestones  | Vendor/Contracting Agency<br>(EPC- BHEL)                   | Date of<br>Award          | Date of<br>Completion     | /Actual<br>Date of<br>Completion | %<br>Completion                         | %<br>Completion                        |  |
| H   |   |               |             |               | Sep-24  | 1  | Chimney                                 | L&T MHI Power Boilers Pvt. Ltd                             | 27.09.2020                | 14.04.2023                | U#1-Mar'24<br>U#2-Aug'24         | Unit-1: RCC-1                           | 100%; Unit-2:                          |  |
| 13  | CHEMICAL CLEANING COMPLETION                                      | 29.10.2022    | 18.02.24    | 29.04.2023    | Зер-24  | 2  | Coal Handling Plant                     | Thyssenkrupp Industries India Pvt.<br>Ltd.                 | 04.08.2021                | 04.12.2023                | Aug.'24                          | 75                                      | 5%                                     |  |
|     |   |               |             |               |   | 3  | Ash Handling Plant                      | M/s L&T MHI Power Boilers Pvt.<br>Ltd                      | 11.06.2020                | 20.02.2023                | Aug'24                           | 100% of Piling                          | and 94% of RCC                         |  |
| 14  | OIL FLUSHING COMPLETION   | 03.11.2022    | 07.11.2023  | 03.05.2023    | Aug-24  | 4  | Fuel Oil System                         | M/s L&T MHI Power Boilers Pvt.<br>Ltd                      | 30.09.2021                | 08.10.2022                | 15,Dec-23                        |   | nks; 100% FOPH                         |  |
| H   |   |               |             |               |   | 5  | Cooling Towers                          | M/s Paharpur Cooling Towers Ltd                            | 16.04.2021/<br>13.10.2021 | 14.06.2023/<br>14.12.2023 | Aug-24/<br>Sep-24                | U-1: 100% of<br>civil work<br>completed | U-2: 99% of<br>civil work<br>completed |  |
| 15  | STEAM BLOWING START   | 29.11.2022    | 18.5.24     | 29.05.2023    | Oct-24  | 6  | CW Pump house                           | Flowmore Ltd.  | 15.03.2022                | 28.12.2023                | Civil-Jun-24<br>Mech-Oct 24      | 79                                      | 9%                                     |  |
|     |   |               |             |               |   | 7  | WPT Plant                               |  | 30.11.2021                | 25.08.2023                | 17-01-24                         | Civil: 100%                             | Mech: 92%                              |  |
| 16  | STEAM BLOWING COMPLETION  | 29.12.2022    | June-24     | 29.06.2023    | Nov-24  | 9  | DM Plant  DM Water Transfer Pump  House | Gaja Engineering Pvt. Ltd.  M/s L&T MHI Power Boilers Pvt. | 30.11.2021<br>04-02-2022  | 30.09.2023<br>08.10.22    | 25-08-24                         | Civil : 100%<br>Civil Wo                |  |  |
|     |   |               |             |               |   | 10 | Compressed Air System                   | Ltd Gaja Engineering Pvt. Ltd                              | 04-02-2022                | 31.08.23                  | 31-01-24                         | Erection<br>Civil – 100%                | n:100%                                 |  |
| 17  | ROLLING & SYNC.   | 02.04.2023    | Aug-24      | 02.10.2023    | Nov24   | 11 | Fire Protection System                  | Gaja Engineering Fvt. Ltd                                  |                           | 31.06.23                  | Aug-24                           | CIVII – 100%                            | 5; Mecii-6470                          |  |
|     |   |               |             |               |   | 12 | Switch Yard                             | GET&D  | 16.09.2020                | 25.03.2023/<br>25.09.2023 | U#1- Aug-24<br>U#2 - Sep-24      | 97.                                     | .0%                                    |  |
| 18  | FULL LOAD   | 02.06.2023    | Sep-24      | 02.12.2023    | Nov-24  | 13 | Ash Dyke Package                        | M/s JPW Infratech Pvt Ltd                                  | 11.03.2022                | 10.09.2024                | 10.09.2024                       |   | 7%                                     |  |
|     |   |               |             |               |   | 14 | Station Transformers                    | BHEL   | 09.08.2020                | 04.02.2022/<br>30.07.2022 | 24.07.2023/<br>31.11.2024        | ST-1:<br>ST-2:                          | :100%<br>:80%                          |  |
| 19  | TRIAL RUN   | 02.07.2023    | Oct-24      | 02.01.2024    | Dec-24  | 15 | Unit Transformers                       | BHEL   | 08.09.2020                | 15.07.2022                | Sep-2024                         | Civil: 100% Mi                          | fg: 100%                               |  |
| H   |   |               |             |               |   | 20 | Railway Siding                          | M/s Jhajhariya Nirman Ltd; M/s<br>ISC-CMIPL (JV)           | 13.11.2020                | 13.09.2022                | Aug-24                           | 9                                       | 98%                                    |  |
| 20  | COD   | 02.08.2023    | Nov-24      | 02.02.2024    | Jan-25  | 21 | Power Evacuation Lines                  | M/s Unitech Power Transmission<br>M/s Hyosung India        | 02.03.2021                | 01.06.2022                | 24.12.2022(A)                    | 100% Tx line                            | work completed                         |  |

# CRITICAL ISSUES

- Slow progress in BoP areas CHP, AHP, Air Compressor plant.
- Slow progress of FGD plant
- Construction of LILOing work of 400 kV Aligarh Shamli line by UPPTCL for evacuation of UP's share of power from Khurja STPP (854.4 MW)

# REASONS OF DELAY

- ♦ 6 Months Post Award delay due to COVID-19 Pandemic.
- Slow work progress in some of the BoP areas i.e. CHP, AHP, DM Water Plant, WPT Plant. Air Compressor and Fire protection

# BUXAR THERMAL POWER PROJECT, Unit# 1 & 2 (2x660 MW) / SJVN (CENTRAL SECTOR)

Village-Chausa, Tehsil-Chausa, Distt.-Buxar (Bihar), Pin- 802114 E-Gen Portal Registration No. (U#1 - 1200002481; U#2 - 1200002482)

| Project Developer / In                    | mplementing Agency -SJV   |                                 | Main Plant Vendor - M/s L&T (EPC contract)              |                               |                                  |                |  |  |
|---|---|---------------------------------|---|-------------------------------|----------------------------------|----------------|--|--|
| Unit No.                                  | L   | OA                              | Original Trial Run                                      | Date                          | Anticipated / Actual             | Trial Run Date |  |  |
| Unit#1                                    | Iun   | -2019                           | May-2023  |                               | Dec-202                          |                |  |  |
| Unit#2                                    |   |                                 | Sep-2023  |                               | Mar-202                          |                |  |  |
|   | CLEARANCES AND ST   | TATIC DAT                       | A   |                               | NCIAL DATA (Fig. in              |                |  |  |
| FUEL TYPE<br>COAL COMBUSTION              | Coal, Indigenous  |                                 |   | ORIGINA<br>OF THE P           | L ESTIMATED COST<br>ROJECT       | 10439.09       |  |  |
| TECHNOLOGY  APPROVAL DATE / NTP           | Supercritical  Investment Approval accord   | ded by Goyt, o                  | f India vide MoP  | LATEST I                      | LATEST ESTIMATED COST            |                |  |  |
| BTG/BoP Contractor Details (Package Wise) | Main Plant works has been L&T on 22.06.2019.  |                                 |   | DATE OF<br>CLOSURE            | FINANCIAL<br>E                   | 26.11.2020     |  |  |
|   |   |                                 |   |                               | EAR WISE EXPENDI                 | TURE           |  |  |
| PPA                                       | PPA signed with Govt. of E reconfirmed on 09.01.2018                                      |                                 | 2011 and further  |                               | 2013-14                          | 48             |  |  |
|   |   |                                 |   |                               | 2014-15                          | 15.61          |  |  |
|   | Allocated Mine - CCL, Mag<br>km (non pithead).  | -                               |   |                               | 2015-16                          | 388.78         |  |  |
| COAL LINKAGE/FSA                          | Letter of Assurance (LoA) f<br>issued by Central Coalfields<br>supplied either from Amrap | Ltd. (CCL) or                   | n 10.12.2018. Coal may be                               |                               | 2016-17                          | 24.64          |  |  |
|   |   |                                 |   |                               | 2017-18                          | 22.35          |  |  |
| START UP POWER                            | Start up power will be arrar  | nged through S                  | outh Bihar Power  |                               | 70.14                            |                |  |  |
| AGREEMENT                                 | Distribution company Ltd.   |                                 | oudi Biliui 1 owol                                      |                               | 2019-20                          | 354.25         |  |  |
|   | Tx Line Developer   | BSPTCL, Go                      |   |                               | 2020-21                          | 1131.20        |  |  |
|   | Tx Line Name  | D/C<br>ii) Buxar TPS<br>KV, D/C | S- Naubatpur 400 KV,                                    | 2021-22<br>2022-23<br>2023-24 |                                  | 2767.25        |  |  |
| POWER EVACUATION                          | Tx Voltage Level  |                                 | ΓPS- Karmnasa (New) 220                                 |                               |                                  | 2654.45        |  |  |
| SYSTEM                                    |   | KV, D/C                         |   |                               |                                  | 1746.19        |  |  |
|   |   |                                 |   | EXPEND                        | 112.13                           |                |  |  |
|   | Configuration of Tx Line (S/C or D/C)   | D/C                             |   |                               | L EXPENDITURE<br>oto 31.07.2024) | 9717.90        |  |  |
| LAND POSSESSION                           | Total Land Required-1283<br>acre (for Rail Corridor) and<br>intake etc.) land under poss  | 78 acre (for W                  | Acre (for Main Plant), 147<br>Vater Pipeline corridor & |                               |                                  |                |  |  |
| WATER ALLOCATION                          | MoU for utilization of 55 co<br>Water Resource Deptt., Go                                 |                                 | 0   |                               |                                  |                |  |  |
| MOEF CLEARANCE                            | Accorded by MOEF&CC of  | on 28.02.2017.(                 | Validity- 27.02.2024)                                   |                               |                                  |                |  |  |
| CIVIL AVIATION<br>CLEARANCE               | Accorded by Airport Authorissued on 18.11.2018). (Va                                      | -                               | · ·   |                               |                                  |                |  |  |
| CPCB CLEARANCE                            | NOT APPLICABLE  |                                 |   |                               |                                  |                |  |  |
| SPCB CLEARANCE                            | "Consent to Establish" (NC<br>Control Board on 03.09.20)                                  |                                 | Bihar State Pollution                                   |                               |                                  |                |  |  |
| FOREST CLEARANCE NOT APPLICABLE           |   |                                 |   |                               |                                  | 27             |  |  |

|          | BUXAR THERMAL POWER PROJECT, Unit# 1 & 2 (2x660 MW) / SJVN (CENTRAL SECTOR) |               |                         |               |                         |     |  |   |                             |                             |                        |              |            |  |  |
|----------|---|---------------|-------------------------|---------------|-------------------------|-----|--|---|-----------------------------|-----------------------------|------------------------|--------------|------------|--|--|
|          | UNIT WISE MILESTONE   |               |                         |               |                         |     | STATUS OF MAIN PLANT PACKAGE (BTG) : M/s |   |                             |                             |                        |              | M/s L&T    |  |  |
|          |   | UNI           | T-01                    | UNI           | T-02                    |     |  |   |                             | <u> </u>                    |                        | UNIT-01      | UNIT-02    |  |  |
|          |   |               | A at wall to            |               | A otra-1 /              | Sl. | Packages                                 |   | AREA                        |                             |                        | Completion   | Completion |  |  |
| S1.      | MILESTONE   | Original Date | Actual /<br>Anticipated | Original Date | Actual /<br>Anticipated |     |  | CIVIL   |                             |                             |                        | 100%         | 95.23%     |  |  |
|          |   |               | Date                    |               | Date                    | 1   | BOILER                                   | STRUCTURE   | STRUCTURE                   |                             |                        |              |            |  |  |
|          | COMPLETION OF BOILER  |               |                         |               |                         |     |  | PRESSURE PARTS  |                             |                             |                        | 100%         | 91.55%     |  |  |
| 1        | FOUNDATION  | 21.JUL.20     | 01.MAY.21               | 19.NOV.20     | 28.OCT.21               |     |  | CIVIL   |                             |                             |                        | 100%         | 88.78%     |  |  |
| 2        | START OF BOILER ERECTION  | 20.AUG.20     | 21.OCT.20               | 20.DEC.20     | 23.NOV.21               | 2   | TG                                       | STRUCTURE   |                             |                             |                        | 100%         | 94.80%     |  |  |
| 3        | BOILER DRUM LIFTING (if sub-critical  |               | JA                      | N             | JA                      |     |  | TG ERECTION   |                             |                             |                        | 98.60%       | 74.10%     |  |  |
|          | unit)   | 1             | VA.                     | IV.           | A                       | 3   | ESP                                      | UNDER PROGRESS  |                             |                             |                        | 96.50%       | 78.60%     |  |  |
| 4        | BOILER CEILING GIRDER LIFTING<br>COMPLETION                                 | 19.APR.21     | 31.JAN.22               | 20.AUG.21     | 30.NOV.22               |     |  | CIVIL WORK  |                             |                             |                        | 82.10%       | 67.45%     |  |  |
| 5        | CONDENSER ERECTION START  | 03.AUG.21     | 31.MAY.22               | 03.DEC.21     | 25-May-24               | 4   | FGD                                      | MATERIAL SUPPLY   |                             |                             |                        | 98.20%       | 97.90%     |  |  |
| 6        | TG ERECTION START   | 21.SEP.21     | 21.SEP.22               | 20.JAN.22     | 24-May-24               |     |  | ERECTION WORK   |                             |                             |                        | 34.20%       | 10.10%     |  |  |
| 7        | HP PIPING ERECTION START  | 16.OCT.21     | 02.MAY.22               | 15.FEB.22     | 30-May-24               |     |  | STAT  | US OF B                     | OPs                         |                        |              |            |  |  |
| 8        | BOILER HYDRO TEST (DRAINABLE)   | 20.APR.22     | 16.JUN.23               | 21.AUG.22     | Sep-24                  |     | Packages/ Linked                         | Vendor/Contracting Agency                                     | Date of                     | Scheduled                   | Anticipated<br>/Actual | UNIT-01      | UNIT-02    |  |  |
|          | COMPLETION  |               |                         |               | _                       | S1. | Project Milestones                       | (EPC- L&T)  | Award                       | Date of<br>Completion       | Date of                | %            | %          |  |  |
| 9        | BOILER HYDRO TEST (NON-<br>DRAINABLE) COMPLETION                            | N             | NA                      | N             | NA                      |     |  |   |                             | •                           | Completion             | Completion   | Completion |  |  |
| <u> </u> | ,   |               |                         |               |                         | 1   | Chimney                                  | L&T Limited (EPC)   | 22.JUN.19                   | 28.JUN.23                   | Aug'24                 | 93.1         | 10%        |  |  |
| $\vdash$ | TG BOX UP   | 21.AUG.22     | 20-DEC-23               | 20.DEC.22     | Sep-24                  |     |  | L&T (Conveyor pkg)  | 22.JUN.19                   | 19.NOV.22                   | Sep'24                 | 77.          | 1%         |  |  |
| -        | HP PIPING ERECTION COMPLETION   | 30.JUL.22     | Aug-24                  | 29.NOV.22     | Sep-24                  | 2   | Coal Handling Plant                      | L&T (Wagon tipler)  L&T/Thyssenkrup (Stacker                  | 22.JUN.19                   | 21.NOV.22                   | Sep'24                 | 79.0         | 50%        |  |  |
| 12       |   | 28.AUG.22     | 4 Jan-24                | 27.DEC.22     | Sep-24                  | -   |  | reclaimer)  | 22.JUN.19                   | 23.OCT.22                   | Aug'24                 | 83.4         | 10%        |  |  |
| -        | BOILER LIGHT UP   | 21.OCT.22     | Sep-24                  | 21.FEB.23     | Oct-24                  | 3   | Ash Handling Plant                       | L&T /Macawber Beekay Pvt ltd<br>L&T/ Shalkoot Mechanique Pvt. | 22.JUN.19                   | 19.JUL.23                   | Sep'24                 | 81.1         | 10%        |  |  |
| 14       | CHEMICAL CLEANING COMPLETION  | 15.OCT.22     | Sep-24                  | 15.FEB.23     | Sep-24                  | 4   | Fuel Oil System                          | Ltd L&T/ Paharpur Cooling Towers                              | 22.JUN.19                   | 31.AUG.22                   | Aug'24                 | 93.2         | 20%        |  |  |
| 15       | STEAM BLOWING START   | 01.NOV.22     | Sep-24                  | 04.MAR.23     | Oct-24                  | 5   | Cooling Towers                           | Ltd   | I-22.JUN.19<br>II-22.JUN.19 | I-20.FEB.23<br>II-20.JUN.23 | Aug'24<br>Sep'24       | 94.5<br>65.3 | 50%<br>30% |  |  |
| 16       | STEAM BLOWING COMPLETION  | 18.DEC.22     |                         | 20 APR 22     |                         | 6   | CW Pump house                            | L&T/ Xylem Water Solutions India<br>Pvt Ltd                   | I-22.JUN.19                 | I-23.FEB.23                 | Aug'24                 | 92.4<br>65.2 |            |  |  |
| 10       | STEAM BLOWING COMPLETION  | 18.DEC.22     | Oct-24                  | 20.APR.23     | Jan-25                  | 7   | WPT Plant                                | L&T/ Driplex Water Engineering                                | II-22.JUN.19<br>I-22.JUN.19 | II-23.JUN.23<br>I-05.APR.23 | Sep'24<br>Aug'24       |              |            |  |  |
|          |   |               |                         |               |                         | Ľ   | WIIIIant                                 | Pvt Ltd   | II-22.JUN.19                | II-05.AUG.23                | Aug'24<br>Aug'24       | 96.9<br>73.4 | 90%<br>40% |  |  |
| 17       | ROLLING & SYNC.   | 20.FEB.23     | Nov-24                  | 21.JUN.23     | Feb-25                  | 8   | DM Plant                                 | L&T/ Driplex Water Engineering<br>Pvt Ltd                     | 22.JUN.19                   | 21.JUN.23                   | 31.AUG.23              | 100          | 0%         |  |  |
|          | NODELINO CE DITTO.  | 20.125.25     | 1101 21                 | 2110011123    | 100 23                  | 9   | Compressed Air System                    | L&T / L&T-MHPS Boilers Pvt. Ltd                               | 22.JUN.19                   | 20.OCT.22                   | Aug'24                 | 95.8         | 30%        |  |  |
| 18       | FULL LOAD   | 21.MAR.23     | Nov-24                  | 21.JUL.23     | Feb-25                  | 10  | Fire Protection System                   | L&T/ Flowmore Limited   | 22.JUN.19                   | 10.JUL.23                   | Aug'24                 | 80.1         | 10%        |  |  |
|          |   |               |                         |               |                         | 11  | Switch Yard                              | L&T/ ABB Power Products &<br>Systems India Ltd                | 22.JUN.19                   | 21.NOV.22                   | Aug'24                 | 99.6         | 50%        |  |  |
| 19       | TRIAL RUN   | 21.May.23     |                         | 21.Sep.23     |                         | 12  | Station Transformers                     | L&T/ ABB Power Products &<br>Systems India Ltd                | I-22.JUN.19<br>II-22.JUN.19 | I-22.APR.22<br>II-22.AUG.22 | Feb,24<br>Aug,24       | 100<br>88.6  |            |  |  |
|          |   |               | Dec-24                  |               | Mar-25                  | 13  | Unit Transformers                        | L&T/ ABB Power Products &<br>Systems India Ltd                | I-22.JUN.19                 | I-22.AUG.22<br>I-29.MAR.23  | Aug,24<br>Aug'24       | 10           |            |  |  |
| _        |   |               |                         |               |                         | -   |  | ·   | II-22.JUN.19                | II-29.SEP.23                | Sep,24                 | 63.3         | 30%        |  |  |
| 20       | COD   | 07.JUL.23     | Jan-25                  | 07.JAN.24     | Apr-25                  | -   | Railway Siding                           | RITES Ltd.  | 13.JUN.19                   | 31.OCT.22                   | Dec'24                 | 42.1         | 10%        |  |  |
|          |   |               |                         |               |                         | 15  | Power Evacuation Lines                   | BSPTCL, Govt. of Bihar  | 23.NOV.21                   | 31.DEC.22                   | 05-03-24               | 100          | 0%         |  |  |

# **CRITICAL ISSUES**

Slow work progress in BoP areas i.e. AHP, CHP & Railway siding.

Delay in readiness of Switchyard and challenges in land acquisition affecting railway siding and water intake pipeline corridor pose obstacles to project advancement.

# REASONS OF DELAY

Covid-19 Pandemic and subsequent lockdowns; Non-availability of industrial Oxygen cylinders due to Covid-19; State government restriction for transportation of aggregates, sand mining etc.; Agitation by locals on 10.01.2023 and unrest activity on 11.01.2023.

# BoP:

Delayed acquisition of land for Water Corridor & Intake and Rail Corridor.; Covid-19 Pandemic and subsequent lockdowns. Non-availability of industrial Oxygen cylinders due to Covid-19; State government restriction for transportation of aggregates, sand mining etc.; Agitation by locals on 10.01.2023 and unrest activity on 11.01.2023.

Frequent local agitation.

OBRA 'C' TPP, Unit# 1 & 2 (2x660 MW) / UPRVUNL (STATE SECTOR)
Village-Obra, Tehsil-Obra, District-Sonebhadra, Uttar Pradesh, Pin-231219 E-Gen Portal Registration No. (U#1 - 1200001696; U#2 - 1200001697)

| Project Developer / I        | mplementing Agency - UP   | •                                  | Main Plant Vendor - (B'   | BTG): M/s. Doosan (EPC contract) |                                 |                |  |  |
|------------------------------|---|------------------------------------|---|----------------------------------|---------------------------------|----------------|--|--|
| Unit No.                     | LO  | OA                                 | Original Trial Run  | Date                             | Anticipated / Actual            | Trial Run Date |  |  |
| Unit#1                       | Dag   | -2016                              | Dec-2020  |                                  | 02-02-2024                      | 1              |  |  |
| Unit#2                       |   |                                    | Apr-2021  |                                  | Nov-2024                        |                |  |  |
|                              | CLEARANCES AND ST   | TATIC DAT                          | A   |                                  | NCIAL DATA (Fig. in             | Rs. Crore)     |  |  |
| FUEL TYPE<br>COAL COMBUSTION | Coal, Indigenous  Ultra-Supercritical   |                                    |   | ORIGINA<br>OF THE                | 8777.71                         |                |  |  |
| TECHNOLOGY                   | -   | 22 12 201                          |   | LATEST                           | 13005.43                        |                |  |  |
| BTG/BoP Contractor           | Date of NTP or Approval D 22.12.2016. EPC contract as   |                                    |   | DATE OF                          | DATE OF FINANCIAL               |                |  |  |
| Details (Package Wise)       | India Pvt. Ltd., Gurugram (l  | Haryana)                           | ·   |                                  | ΓURE                            |                |  |  |
| PPA                          | PPA signed with UP Power UP   | Corporation L                      | td for 100% share to state of                                       |                                  | 2015-16                         | 7.24           |  |  |
|                              | Allocated Mine - Saharpur I   |                                    | es, Jharkhand; Distance from  |                                  | 2016-17                         | 423.77         |  |  |
| COAL LINKAGE/FSA             | Coal -G10   | ), Milocation 1                    | Sate: 13.06.2013. Grade of  |                                  | 2017-18                         | 277.83         |  |  |
|                              |   |                                    |   |                                  | 2018-19                         | 855.90         |  |  |
| START UP POWER<br>AGREEMENT  | Start up power from UPPTO   | CL                                 |   |                                  | 2019-20                         |                |  |  |
|                              | Tx Line Developer   | UPPTCL                             |   |                                  | 2020-21                         | 1220.62        |  |  |
| POWER EVACUATION<br>SYSTEM   | Tx Line Name<br>Tx Voltage Level  | S/C at Obr                         | 65 kV Anpara'D'- Unnao<br>ra 'C' TPS;<br>C Jaunpur- Obra line (upto |                                  | 2021-22                         | 1826.42        |  |  |
| S 10 12M                     |   |                                    | t of Obra'B' – Obra 'C'   | 2022-23                          |                                 | 1460.40        |  |  |
|                              |   |                                    |   |                                  | 2047.66                         |                |  |  |
|                              | Configuration of Tx Line (S/C or D/C)   |                                    |   | EXPEND                           | 51.45                           |                |  |  |
| LAND POSSESSION              | Brown Field project, therefore dyke construction, land acquinitially ash disposal of Obrapond and in parallel land acquiritially ash disposal of Obrapond and in parallel land acquiritial acquiritians | uisition of 113<br>a 'C' will be m | .42 Ha under progress.<br>ade in existing obra 'B' Ash              |                                  | AL EXPENDITURE upto 31.07.2024) | 10896.31       |  |  |
| WATER ALLOCATION             | Water requirement to be ful plant. Additional requirement of Rihand Dam.  |                                    |   |                                  |                                 |                |  |  |
| MOEF CLEARANCE               | Clearance obtained date 21.   | 06.2016                            |   |                                  |                                 |                |  |  |
| CIVIL AVIATION<br>CLEARANCE  | Clearance obtained date : 12  | 2.07.2016 Vali                     | id upto 21.07.2021  |                                  |                                 |                |  |  |
| CPCB CLEARANCE               | Not Applicable  |                                    |   |                                  |                                 |                |  |  |
| SPCB CLEARANCE               | Not Applicable  |                                    |   |                                  |                                 |                |  |  |
| FOREST CLEARANCE             | Wild life Clearance obtained  | 016                                |   |                                  |                                 |                |  |  |

| OBRA 'C' TPP, Unit# 1 & 2 (2x660 MW) / UPRVUNL (STATE SECTOR ) |  |                  |                              |                  |                              |              |  |  |  |                                 | - 00-                        |              |              |
|--|--|------------------|------------------------------|------------------|------------------------------|--------------|--|--|--|---------------------------------|------------------------------|--------------|--------------|
| UNIT WISE MILESTONES (ANTICIPATED /                            |  |                  | ACTUAL                       | <i>a</i> )       |                              | STATUS OF MA | AIN PLANT PACKA                        | GE (BTG  | ) : M/s Do   | oosan (EPC                      | contrac                      | t)           |              |
|  |  | UNI              | T-01                         | UNI              | T-02                         | G)           |  |  |  |                                 |                              | UNIT-01      | UNIT-02      |
| Sl.  | MILESTONE  | Original Date    | Anticipated /<br>Actual Date | Original Date    | Anticipated /<br>Actual Date | SI.          | Packages                               | AREA   |  |                                 | %<br>Completion              | % Completion |              |
|  |  | of<br>Completion | of                           | of<br>Completion | of                           |              |  | CIVIL  |  |                                 |                              |              |              |
|  |  | Completion       | Completion                   | Completion       | Completion                   | 1            | BOILER                                 | STRUCTURE  |  |                                 |                              | 100%         | 91%          |
| 1  | COMPLETION OF BOILER                             | 11-Mar-18        | 15-Feb-19                    | 16-Jun-18        | 21-Feb-19                    |              |  | PRESSURE PARTS                                     |  |                                 |                              |              |              |
| 1  | FOUNDATION                                       | 11-Mai-16        | 13-160-19                    | 10-Juli-18       | 21-Feb-19                    |              |  | CIVIL  |  |                                 |                              |              |              |
| 2  | START OF BOILER ERECTION                         | 22-Apr-18        | 28-May-18                    | 22-Aug-18        | 21-Jan-19                    | 2            | TG                                     | STRUCTURE  |  |                                 |                              | 100%         | 82.84%       |
| 3  | BOILER DRUM LIFTING (if sub-critical             | N                | IΑ                           | N                | JA                           |              |  | PRESSURE PARTS                                     |  |                                 |                              |              |              |
| 3  | unit)  | 1                | A                            | 1                | A                            | 3            | ESP                                    | PASS STATUS  |  |                                 |                              | 99.37%       | 67.42%       |
| 4  | BOILER CEILING GIRDER LIFTING                    | 21-Sep-18        | 7-Mar-19                     | 21-Jan-19        | 10-Nov-19                    |              |  | CIVIL WORK   |  |                                 |                              | 96.72%       | 80.17%       |
| 4  | COMPLETION                                       | 21-3ep-18        | 7-IVIAI-19                   | 21-Jan-19        | 10-100-19                    | 4            | FGD                                    | MATERIAL SUPPLY                                    |  |                                 |                              | 94%          | 65.50%       |
| 5  | CONDENSER ERECTION START                         | 23-Nov-18        | 17-Aug-20                    | 23-Mar-19        | 2-Apr-22                     | 1            | 1.35                                   | ERECTION WORK                                      |  |                                 |                              | 67%          | 29.60%       |
| 6  | TG ERECTION START                                | 22-Jan-19        | 2-Nov-20                     | 23-May-19        | May-23                       |              |  | ERECTION WORK                                      |  |                                 | 0770                         | 25.00%       |              |
| 7  | HP PIPING ERECTION START                         | 12-Jan-19        | 1-Mar-20                     | 22-May-19        | 7-Oct-23                     |              |  | STATUS OF  | BOPs (I  | PSI-EPO                         | C)                           |              |              |
| 8  | BOILER HYDRO TEST (DRAINABLE)                    | 22-Sep-19        | 27-Sep-20                    | 23-Jan-20        | 20-Apr-22                    |              |  |  |  | Scheduled                       | Anticipated/                 | UNIT-01      | UNIT-02      |
|  | COMPLETION                                       | 22 Sep 19        | 27 Bep 20                    | 23 Juli 20       | 20 Apr 22                    | S1.          | Packages/ Linked Project<br>Milestones | Vendor/Contracting Agency<br>(EPC-                 | Date of<br>Award                                     | Date of<br>Completion           | Actual Date of<br>Completion | 96           | % Completion |
| 9  | BOILER HYDRO TEST (NON-<br>DRAINABLE) COMPLETION | 22-Sep-19        | 27-Sep-20                    | 23-Jan-20        | 20-Apr-22                    | 1            | Chimney                                | DPSI M/s.Simplex                                   | 27.11.2018   | 01.12.2019                      | 31.12.2023                   | Completion   | 00%          |
| 10   | TG BOX UP  | 22-Feb-20        | 15-Dec-21                    | 20-Jun-20        | Jun-24                       | <u> </u>     | C.I.I.I.I.C,                           | KCC (Conveyor package) 19.05.2020 Aug-24           |  |                                 | 99.00%                       |              |              |
| 11   |  | 20-Mar-20        | 14-Mar-22                    | 20-Jul-20        | June-24                      | ,            | Coal Handling Plant                    | Aneja (Wagon Tripler) 23.11.2018 23.02.2020 Sep-24 |  |                                 | 9.00%                        |              |              |
| 12   |  | 23-Feb-20        | 10-Mar-22                    | 21-Jun-20        | June-24                      | 1            | Com Finnaming Finance                  |  |  | Oct-24                          | 97.53%                       |              |              |
| _  | BOILER LIGHT UP                                  | 21-Apr-20        | 26-Apr-22                    | 19-Aug-20        | 30-30-24                     | 3            | Ash Handling Plant                     | , , , , , , , , , , , , , , , , , , ,              |  | 81.84%                          |                              |              |              |
| 13   | BOILER EIGHT OF                                  | 21-Apr-20        | 20-Apr-22                    | 17-Aug-20        | 30-30-24                     | -            | Asii Hailding Flair                    | AKC, PNC 09.04.2018 29.06.2020 Sep-24              |  | Зер-24                          |                              |              |              |
| 14   | CHEMICAL CLEANING COMPLETION                     | 25-Mar-20        | 16-Mar-22                    | 25-Jul-20        | 01-04-24                     | 4            | Fuel Oil System                        | AKC, Sangha, Singrauli, Jiwala                     | AKC, Sangha, Singrauli, Jiwala 30.11.2018 04.05.2020 |                                 | Dec,2023                     | 1            | 00%          |
| 15   | STEAM BLOWING START                              | 22-May-20        | 07-Nov-22                    | 19-Sep-20        | Aug-24                       |              |  |  | 01.08.2018(C   | 25.11.2019(C                    |                              |              |              |
| 16   | STEAM BLOWING COMPLETION                         | 22-Jun-20        | 09-Dec-22                    | 19-Oct-20        | Aug-24                       | 5            | Cooling Towers                         | PCTL   | T-01),<br>14.12.2018(C<br>T-02)                      | T-01),<br>26.03.2020(C<br>T-02) | Dec,2023<br>Sep-24           | 100%         | 81.52%       |
|  |  |                  |                              |                  |                              | 6            | CW Pump house                          | GDCL   | 06.06.2018   | 05.07.2020                      | 02.04.2023                   | 1            | 00%          |
| 17   | ROLLING & SYNC.                                  | 30-Jul-20        | 25-Apr-23                    | 27-Nov-20        | Sep-24                       | 7            | WPT Plant                              | Rajpati Vishwakarma, Sahil<br>Kumar, KNIL, IEIL    | 20.11.2018   | 13.09.2020                      | Apr,2023                     | 1            | 00%          |
| 18   | FULL LOAD  | 1-Sep-20         | 26-Dec-23                    | 31-Dec-20        | Oct-24                       | 8            | DM Plant                               | Rajpati Vishwakarma, Sahil<br>Kumar, KNIL,IEIL     | 03.10.2018   | 04.11.2019                      | Mar,2023                     | 1            | 00%          |
|  |  |                  |                              |                  |                              | 9            | Compressed Air System                  | GDCL   | 23.11.2018   | 04.05.2020                      | Mar,2023                     | 1            | 00%          |
|  |  |                  |                              |                  |                              | 10           | Fire Protection System                 | Lloyd  | 08.04.2019   | 17.10.2019                      | Sep-24                       |              | 5.10%        |
| 19   | TRIAL RUN  | 21-Dec-20        | 02-02-24                     | 21-Apr-21        | Nov-24                       | 11           | Switch Yard                            | KNIL , GDCL, GET&D                                 | 01.08.2018   | 30.01.2020                      | Apr,2023                     |              | 00%          |
|  |  |                  |                              |                  |                              | 12           | Station Transformers                   | GDCL. GET&D  | 10.11.2018   | 27.09.2019                      | 28.06.2022                   |              | 0.00%        |
|  |  |                  |                              |                  |                              | 13           | Unit Transformers                      | GDCL, GET&D  | 10.03.2019   | 06.02.2020                      | Oct-24                       |              | 3.67%        |
| 20   | COD  | 21-Dec-20        | 09-02-24                     | 21-Apr-21        | Nov-24                       | 14           | Railway Siding                         | DPSI Civil Works:- Civil Works:                    |  | Civil Works:-                   | Civil Works:-<br>23.05.2023  |              | 90%          |
|  |  |                  |                              |                  |                              |              |  |  |  | 23.02.2020                      |                              |              |              |
|  |  |                  |                              |                  |                              |              |  | S&T Works-<br>21.12.2023                           |  |                                 |                              |              |              |
|  |  |                  |                              |                  |                              |              |  |  |  |                                 | OHE works:-<br>Nov-24        |              |              |
|  |  |                  |                              |                  |                              | 15           | Power Evacuation Lines                 | GET&D  | 08.11.2017   | 24.07.2020                      | (Tentative)                  | 1            | 00%          |
| Щ  | l .  |                  |                              |                  |                              | Щ            |  |  |  |                                 |                              | <u> </u>     |              |

# CRITICAL ISSUES

- Delay in readiness of AHP system of U#2 (Material supply pending by M/s Indure)
-Delay in readiness of coal Mills of U#2, 2<sup>nd</sup> path of PA, ID & FD fan.
-Delay in readiness of Dry ash evacuation system and Ash slurry pumps of U#2.

# REASONS OF DELAY

- COVID-19 I & II wave.
- Steel Price Hike, Dispute between main contractor M/s DPSI and its sub-vendors,

JAWAHARPUR STPS, Unit# 1 & 2 (2X660 MW) / UPRVUNL (STATE SECTOR)
Jawaharpur STPS, Malawan, Distt.-Etah, U.P. – 207 001 E-Gen Portal Registration No. (U#1 - 1200002452; U#2 - 1200002496)

|  |  |                 | . (U#1 - 1200002452; Ui  |                                       | •                               |                |  |  |  |
|--|--|-----------------|--|---------------------------------------|---------------------------------|----------------|--|--|--|
| Project Developer / In   | mplementing Agency - UF                                  | PRVUNL          | Main Plant   | nt Vendor - M/s Doosan (EPC contract) |                                 |                |  |  |  |
| Unit No.   | L  | OA              | Original Trial Run   | Date                                  |                                 | Trial Run Date |  |  |  |
| Unit#1   | Dec  | -2016           | Dec-2020   |                                       | 09-02-2024                      |                |  |  |  |
| Unit#2   |  |                 | Apr-2021   | *******                               | Sep-2024                        |                |  |  |  |
|  | CLEARANCES AND ST  | TATIC DATA      | A .  |                                       | NCIAL DATA (Fig. in F           | Rs. Crore)     |  |  |  |
| FUEL TYPE  | Coal, Indigenous   |                 |  |                                       | AL ESTIMATED COST               | 8078.56        |  |  |  |
| COAL COMBUSTION<br>TECHNOLOGY  | Ultra Super Critical                                     |                 |  | OF THE I                              | ESTIMATED COST                  | 14628.09       |  |  |  |
| APPROVAL DATE / NTP  | Approval of DPR and Initiated DPRVide letter dated 04.09 |                 | y U. P. Government of  |                                       | FINANCIAL                       | 11020.03       |  |  |  |
| EPC/BTG/BoP Contractor   | 22.12.2016- date of Award                                |                 |  | CLOSUR                                | E                               |                |  |  |  |
| Details (Package Wise)   | Systems India Power Limit                                |                 | -  | _                                     | YEAR WISE EXPENDIT              | IIRF           |  |  |  |
| PPA  | Details of PPA signed or ur defining share % if any.     | nder process wh | ichever is applicable with   |                                       | 2016-17                         | 445.21         |  |  |  |
|  | Allocated Mine - Saharpur                                | Jamarpani mine  | es, Jharkhand; Distance from   |                                       | 2010-17                         | 443.21         |  |  |  |
| COAL LINKAGE/FSA   | mine - 1190 km (non pithea                               | nd)             |  |                                       | 2017-18                         | 400.26         |  |  |  |
|  | Bridge Linkage from CCL/I                                | ECL for 4.461 M | ITPA   |                                       | 2018-19                         | 844.96         |  |  |  |
| CTAPT UP POWER   |  |                 |  |                                       | 2019-20                         | 2295.94        |  |  |  |
| START UP POWER<br>AGREEMENT  | For 220 KV signed with UI                                | PPTCL           |  |                                       | 2020-21                         | 2034.08        |  |  |  |
|  | Tx Line Developer  | PGCIL & UPI     |  |                                       | 2021-22                         | 2224.36        |  |  |  |
| POWER EVACUATION<br>SYSTEM   | Tx Line Name<br>Tx Voltage Level                         | S/C at Jaw      | 65kV Mainpuri - Gr. Noida<br>raharpur TPS;<br>ır TPS-Firozabad 400kV |                                       | 2022-23                         | 1782.72        |  |  |  |
|  |  | D/C line.       | 11 5-1 1102abad 400k v   |                                       | 2023-24                         | 2255.34        |  |  |  |
|  |  |                 |  |                                       | ITURE OF July'2024              | 116.32         |  |  |  |
|  | Configuration of Tx Line                                 |                 |  | _                                     | AL EXPENDITURE upto 31.07.2024) | 12821.15       |  |  |  |
|  | (S/C or D/C)   |                 |  |                                       |                                 |                |  |  |  |
| LAND POSSESSION  | 765 Acre land for Power Ho                               | ouse under Poss | session  |                                       |                                 |                |  |  |  |
| WATER ALLOCATION Lower Ganga Canal - 38 cusec  |  |                 |  |                                       |                                 |                |  |  |  |
| MOEF CLEARANCE  MOEF clearance granted in 63rd Meeting of the reconstituted EAC (Thermal Power) was held on 29th & 30th August, 2016 |  |                 |  |                                       |                                 |                |  |  |  |
| CIVIL AVIATION CLEARANCE Chimney clearance from AAI vide letter dated 12.06.2015   |  |                 |  |                                       |                                 |                |  |  |  |
| CPCB CLEARANCE   | NA   |                 |  |                                       |                                 |                |  |  |  |
| SPCB CLEARANCE   | Ref No- 58264/UPPCB/Ali<br>24.10.2019 valid up to 09.1   |                 |  |                                       |                                 |                |  |  |  |
| FOREST CLEARANCE   | Clearance obtained vide let                              | ter no. 1904/14 | -1 dated 15.03.2016  |                                       |                                 |                |  |  |  |

|     |   | ΙΔWΔΗ            | ARPLIR 9                        | STPS IIr         | nit# 1 & 1                      | 2 (2 | γ   | 660 MW) / I              | UPRVUNL (STATI  | SECT                      | OR )                      | Status                         | s as on 3    | 1-07-202     |
|-----|---|------------------|---------------------------------|------------------|---------------------------------|------|-----|--------------------------|---|---------------------------|---------------------------|--------------------------------|--------------|--------------|
|     | UNIT WISE MILESTONE                             |                  |                                 |                  |                                 | - (2 | -/\ |                          |   |                           |                           | FG) : M/S                      | DPSI         |              |
|     | ONII WISE WILLESTONE                            | 1                | T-01                            |                  | TT-02                           | -    | 1   | DIA                      | STATUS OF MAIN PLANT PACKAGE (BTG) : MA   |                           |                           |                                | UNIT-01      | UNIT-02      |
|     |   |                  |                                 |                  |                                 | S    | S1. | Packages                 |   |                           | % Completion              | % Completion                   |              |              |
| S1. | MILESTONE                                       | Original Date of | Anticipated /<br>Actual Date of | Original Date of | Anticipated /<br>Actual Date of | F    | 1   |                          | CIVIL   |                           |                           |                                | 100 %        | 100%         |
|     |   | Completion       | Completion                      | Completion       | Completion                      |      | 1   | BOILER                   | STRUCTURE   |                           |                           |                                | 98.97 %      | 95.19%       |
| 1   | COMPLETION OF BOILER FOUNDATION                 | 31.12.2017       | 05.03.2019                      | 03.05.2018       | 29.05.2019                      |      | •   | DOILLIN                  | PRESSURE PARTS  |                           |                           |                                | 100%         | 100 %        |
| 2   | START OF BOILER ERECTION                        | 22.04.2018       | 20.08.2018                      | 22.08.2018       | 20.11.2018                      | -    |     |                          | CIVIL   |                           |                           |                                | 100 %        | 99.10%       |
| 3   | BOILER DRUM LIFTING (if sub-critical unit)      | N                | iΑ                              | N                | JA                              |      | 2   | TG                       |   |                           |                           |                                |              | 7712414      |
| 4   | BOILER CEILING GIRDER LIFTING                   | 06.09.2018       | 14.06.2019                      | 06.01.2019       | 14.11.2019                      |      |     | -                        | STRUCTURE   |                           |                           |                                | 99.71%       | 98.64%       |
|     | COMPLETION                                      |                  |                                 |                  |                                 |      | 3   | ESP                      | STRUCTURE   |                           |                           |                                | 99.88%       | 75.30%       |
| 5   | CONDENSER ERECTION START                        | 22.01.2019       | 16.09.2020                      | 22.05.2019       | 12.06.2021                      |      |     |                          | CIVIL WORK  |                           |                           |                                | 100%         | 100 %        |
| 6   | TG ERECTION START                               | 22.01.2019       | 23.11.2020                      | 22.05.2019       | 25.02.2022                      |      | 4   | FGD                      | MATERIAL SUPPLY   |                           |                           |                                | 100%         | 100%         |
| 7   | HP PIPING ERECTION START                        | 18.02.2019       | 01.11.2019                      | 22.06.2019       | 15.02.2021                      |      |     | 1 02                     | ERECTION WORK   |                           |                           | 96.99%                         | 60.56%       |              |
| 8   | BOILER HYDRO TEST (DRAINABLE)<br>COMPLETION     | 21.09.2019       | 10.11.2020                      | 21.01.2020       | 30.11.2021                      |      |     |                          | STATUS OF BOPs (DPSI-EPC)   |                           |                           |                                |              |              |
| 9   | BOILER HYDRO TEST (NON-DRAINABLE)<br>COMPLETION | -                | -                               | -                | -                               | 5    | S1. | Packages/ Linked Project |   | Date of                   | Scheduled<br>Date of      | Anticipated/A<br>ctual Date of | UNIT-01      | UNIT-02      |
| 10  | TG BOX UP                                       | 22.02.2020       | 25.07.2022                      | 20.06.2020       | 28.07.2023                      |      |     | Milestones               | BHEL)   | Award                     | Completion                | Completion                     | % Completion | % Completion |
| 11  | HP PIPING ERECTION COMPLETION                   | 23.08.2019       | 10.07.2022                      | 23.12.2019       | 30.11.2022                      |      | 1   | Chimney                  | Simplex   | 16.03.2017                | 05.11.2019                | Aug-24                         | 86.          | 32%          |
| 12  | START OF OILFLUSHING                            | 23.02.2020       | 12.02.2022                      | 21.06.2020       | 01.08.2023                      |      |     |                          | tkII/ NeoStructo(Conveyor<br>package)   | 10.10.2017                | 23.04.2020                | Aug-24                         | 96.          | 12%          |
| 13  | BOILER LIGHT UP                                 | 26.04.2020       | 27.05.2022                      | 23.08.2020       | 02.11.2023                      |      | 2   | Coal Handling Plant      | package/<br>tkII/ NeoStructo (Wagon Tripler) 10.10.2017 24.12.2019 Aug-24<br>tkII/ NeoStructo (Stacker<br>Reclaimer) 10.10.2017 15.09.2019 Aug-24 |                           | 99.                       | 12%                            |              |              |
| 14  | CHEMICAL CLEANING COMPLETION                    | 15.03.2020       | 03.05.2022                      | 13.07.2020       | 02.11.2023                      |      |     |                          |   |                           | 99.                       | 60%                            |              |              |
| 15  | STEAM BLOWING START                             | 26.05.2020       | 27.09.2022                      | 21.09.2020       | Mar-24                          |      | 3   | Ash Handling Plant       | Main vendor/subcontractor 30.12.2016 26.09.2020 Oct-24  |                           | 88.                       | 40%                            |              |              |
| 16  | STEAM BLOWING COMPLETION                        | 21.06.2020       | 02.12.2022                      | 21.10.2020       | April-24                        |      | 4   | Fuel Oil System          | Main vendor/  | 21.02.2017                | 10.04.2020                | 31.01.2024                     |              | 0%<br>ng#2)  |
| 17  | ROLLING & SYNC.                                 | 21.08.2020       | 29.04.2023                      | 21.12.2020       | 12-07-24                        |      | 5   | Cooling Towers           | Paharpur  | 05.03.2018,<br>10.09.2018 | 26.11.2019,<br>27.03.2020 | 25.05.2023,<br>Aug-24          | 100%         | 90.95%       |
|     |   |                  |                                 |                  |                                 |      | 6   | CW Pump house            | DPSI/ Jyoti   | 10.01.2017                | 05.12.2019                | Aug-24                         | 98.          | 05%          |
|     |   |                  |                                 |                  |                                 |      | 7   | WPT Plant                | Civil: Tecknow  | 14.10.2018                | 06.09.2019                | 30.12.2023                     | 10           | 0%           |
| 18  | FULL LOAD                                       | 01.09.2020       | 19.01.2024                      | 01.01.2021       | Aug-24                          |      | 8   | DM Plant                 | EPC : Ion Exchange  | 21.08.2019                | 16.11.2019                | 31.01.2024                     | 10           | 0%           |
|     |   |                  |                                 |                  |                                 |      | 9   | Compressed Air System    | Atlas / Jyoti   | 13.03.2017                | 19.05.2020                | 30-04-24                       | 10           | 0%           |
|     |   |                  |                                 |                  |                                 |      | 10  | Fire Protection System   | Lloyd   | 17.02.2017                | 05.04.2020                | Sep-24                         | 69.          | 80%          |
| 19  | TRIAL RUN                                       | 20.12.2020       | 09.02.2024                      | 20.04.2021       | Sep-24                          |      | 11  | Switch Yard              | GE T&D  | 17.01.2017                | 26.03.2020                | Sep-24                         | 98.45%       |              |
|     |   |                  |                                 |                  |                                 |      | 12  | Station Transformers     | Zagson  | 31.01.2019                | 03.09.2019                | 31-01-24                       | 10           | 0%           |
|     |   |                  |                                 |                  |                                 |      | 13  | Unit Transformers        | Zagson  | 16.08.2019                | 23.09.2019                | Aug-24                         |              | 64%          |
| 20  | COD   | 21.12.2020       | 21.02.2024                      | 21.04.2021       | Sept-24                         |      | 14  | Railway Siding           | -   |                           | Civil we                  |                                |              |              |
|     |   |                  |                                 |                  |                                 |      | 15  | Power Evacuation Lines   | DPSI  |                           | 21.08.2020                | 29.04.2023                     | 100 %        | 100 %        |

CRITICAL ISSUES

- Delay in readiness of Ash Handling plant system for U#2 (Material supply pending by M/s Indure)
- Delay in readiness of Wagon Tippler, coal mills & Bunker for U#2

# REASONS OF DELAY

| 1st and 2nd wave o |  |  |
|--------------------|--|--|

Inadequate manpower

# PANKI THERMAL POWER PROJECT, Unit# 1 (1X660MW) / UPRVUNL (STATE SECTOR) Panki TPP, Distt.-Kanpur, U. P., Pincode-208020

E-Gen Portal Registration No. (U#1 - 1200001768)

| Project Developer / Implementing Agency - UPRVUNL |  |                           |                             |      | Main Plant Vendor - M/s BHEL(EPC-contract) |             |  |  |  |  |  |
|---|--|---------------------------|-----------------------------|------|--|-------------|--|--|--|--|--|
| Unit No.  | LO   | OA                        | Original Trial Run          | Date | •  |             |  |  |  |  |  |
| Unit#1 Mar-2018                                   |  |                           | Sep-2021                    |      | Nov-202                                    |             |  |  |  |  |  |
|   | CLEARANCES AND ST  | TATIC DATA                | 1                           |      | NANCIAL DATA (Fig. in                      | Rs. Crore)  |  |  |  |  |  |
| FUEL TYPE<br>COAL COMBUSTION                      | Coal, Indigenous Super Critical                            |                           |                             |      | INAL ESTIMATED COST<br>IE PROJECT          | 5816.70     |  |  |  |  |  |
| TECHNOLOGY  |  |                           |                             | LATE | ST ESTIMATED COST                          | Not Revised |  |  |  |  |  |
| APPROVAL DATE / NTP                               | 20.03.2018   |                           |                             |      | OF FINANCIAL                               | 22.06.2018  |  |  |  |  |  |
| EPC/BTG/BoP Contractor<br>Details (Package Wise)  | BHEL, LOA: 31.03.2018                                      |                           |                             | CLOS | YEAR WISE EXPENDI                          | TURE        |  |  |  |  |  |
| PPA   | Signed on 17.01.2017                                       |                           |                             |      | 2018-19                                    | 543.29      |  |  |  |  |  |
|   |  |                           | T II I Div                  |      |  |             |  |  |  |  |  |
| COAL LINKAGE/FSA                                  | Allocated Mine - Saharpur J<br>mine - 896 km (non pithead) |                           |                             |      | 2019-20                                    | 837.26      |  |  |  |  |  |
|   | FSA on 30.01.2017  |                           |                             |      | 2020-21                                    | 1131.48     |  |  |  |  |  |
| START UP POWER                                    | 20.10.2020   |                           |                             |      | 2021-22                                    | 951.81      |  |  |  |  |  |
| AGREEMENT   | 20.10.2020   |                           |                             |      | 2022-23                                    | 1243.57     |  |  |  |  |  |
|   |  |                           |                             |      | 2023-24                                    | 776.78      |  |  |  |  |  |
|   |  |                           |                             | EXPE | NDITURE OF July-2024                       | 200.33      |  |  |  |  |  |
|   | Tx Line Developer  | UPPTCL                    |                             | TO   | OTAL EXPENDITURE<br>(upto 31.07.2024)      | 5931.39     |  |  |  |  |  |
| POWER EVACUATION<br>SYSTEM                        | Tx Line Name<br>Tx Voltage Level                           | Panki TPS - P<br>(UPPTCL) | anki , 400 KV, D/C line     |      |  |             |  |  |  |  |  |
|   | Configuration of Tx Line (S/C or D/C)                      | (UFFICE)                  |                             |      |  |             |  |  |  |  |  |
| LAND POSSESSION                                   | It is extension project. Hen                               | ce Land is avai           | lable                       |      |  |             |  |  |  |  |  |
| WATER ALLOCATION                                  | Lower Ganga Canal and Te                                   | rtiary Treatmen           | ıt Plant, Bingawan (Kanpur) |      |  |             |  |  |  |  |  |
| MOEF CLEARANCE                                    | Clearance obtained vide lett 29.06.2017                    | ter no. J-13012/          | /35/2013-IA- I(T) dated :-  |      |  |             |  |  |  |  |  |
| CIVIL AVIATION<br>CLEARANCE                       | Clearance obtained vide lett dated:- 18.01.2013            | ter no. AAI/NO            | C/2012/453/104-106          |      |  |             |  |  |  |  |  |
| CPCB CLEARANCE                                    | MOEF clearance obtained of                                 | on 29.06.2017             |                             |      |  |             |  |  |  |  |  |
| SPCB CLEARANCE                                    | Clearance obtained vide lett<br>Nagar(UPPCBRO)/CTE/Ka      |                           |                             |      |  |             |  |  |  |  |  |
| FOREST CLEARANCE                                  | Clearance obtained vide lett                               | ter no. 484/14-1          | dated:- 11.08.2015          |      |  |             |  |  |  |  |  |

|     | DVVKI THEDVVV                               | I DOWED DOOR                | CT   | 60  | M/M/) / HDD//                          | UNL (STATE SECTOR )                        | Sta                       | itus as c                 | on 31-07                  | -2024        |
|-----|---|-----------------------------|--|-----|--|--|---------------------------|---------------------------|---------------------------|--------------|
|     | UNIT WISE MILESTONE                         |                             |  | ,00 |  | TUS OF MAIN PLANT PACK                     | AGE (RT                   | (C) · M/e                 | RHEI.                     |              |
|     | ONIT WISE WILESTONE                         | `                           | T-01                                       |     | SIA.                                   | OF MAINTEANT FACE                          | aron (D)                  | 3) . 141/8                | DIEL                      | UNIT-01      |
|     |   |                             |  | S1. | Packages                               | AR   |                           | % Completion              |                           |              |
| Sl. | MILESTONE                                   | Original Date of Completion | Anticipated / Actual Date of<br>Completion | _   |  | CIVIL                                      |                           |                           |                           | 93.00%       |
|     |   |                             | Completion                                 | 1   | BOILER                                 | STRUCTURE WORKS                            |                           |                           |                           | 88.45%       |
| 1   | COMPLETION OF BOILER FOUNDATION             | 29.04.2019                  | 13.01.2020                                 |     |  | PRESSURE PARTS                             |                           |                           |                           | 98.00%       |
| 2   | START OF BOILER ERECTION                    | 30.04.2019                  | 24.04.2019                                 |     |  | CIVIL                                      |                           |                           |                           | 82.00%       |
| 3   | BOILER DRUM LIFTING (if sub-critical unit)  | NA                          | NA   | 2   | TG                                     | STRUCTURE WORKS                            |                           |                           |                           | 90.00%       |
| 4   | BOILER CEILING GIRDER LIFTING<br>COMPLETION | 20.11.2019                  | 23.02.2020                                 |     |  | TG AUX                                     |                           |                           |                           | 88.00%       |
| 5   | CONDENSER ERECTION START                    | 30.04.2020                  | 28.08.2021                                 | 3   | ESP                                    | PASS STATUS                                |                           |                           |                           | 92.83%       |
| 6   | TG ERECTION START                           | 30.04.2020                  | 04.10.2021                                 |     |  | CIVIL WORK                                 |                           |                           |                           | 50.00%       |
| 7   | HP PIPING ERECTION START                    | 03.11.2019                  | 30.11.2020                                 | 4   | FGD                                    | MATERIAL SUPPLY                            |                           |                           |                           | 53.00%       |
| 8   | BOILER HYDRO TEST (DRAINABLE)<br>COMPLETION | 30.09.2020                  | 17.12.2021                                 |     |  | ERECTION WORK                              |                           | 12.00%                    |                           |              |
| 0   | BOILER HYDRO TEST (NON-DRAINABLE)           | 22.02.2021                  | 30.09.2023                                 |     | L                                      | STATUS OF                                  | BOPs                      |                           |                           |              |
|     | COMPLETION                                  | 22.02.2021                  | 30.07.2023                                 |     |  |  |                           | Scheduled                 | Anticipated/Act           | UNIT-01      |
| 10  | TG BOX UP                                   | 31.01.2021                  | 30-Mar-23                                  | S1. | Packages/ Linked Project<br>Milestones | Vendor/Contracting Agency                  | Date of<br>Award          | Date of<br>Completion     | ual Date of<br>Completion | % Completion |
| 1.1 | LIB DUDING EDECTION COMPLETION              | 20.09.2020                  | 20 12 2021                                 | 1   | Chimney                                | Bygging                                    | 27.11.2018                | 01.12.2019                | Jul'24                    | 100%         |
| 11  | HP PIPING ERECTION COMPLETION               | 29.08.2020                  | 30.12.2021                                 |     |  | Thyseen Krupp & RVPR (Conveyor Package)    |                           | 19.05.2020                | Sep'24                    |              |
| 12  | START OF OILFLUSHING                        | 30.01.2021                  | 30.12.2023                                 |     |  | Thyseen Krupp & Kanwar (Wagon Tripler)     | 23.11.2018                | 23.02.2020                | Sep'24                    | 73%          |
|     |   |                             |  | 2   | Coal Handling Plant                    | Thyseen Krupp & Kanwar (Stacker Reclaimer) | 02.05.2018                | 05.04.2020                | Sep'24                    | 7.570        |
| 13  | BOILER LIGHT UP                             | 28.02.2021                  | 18.11.2023                                 |     |  |  |                           |                           |                           |              |
| 14  | CHEMICAL CLEANING COMPLETION                | 10.03.2021                  | 15.12.2023                                 | 3   | Ash Handling Plant                     | Indure/ Kanwar                             | 09.04.2018                | 29.06.2020                | Sep'24                    | 61%          |
|     |   |                             |  | 4   | Fuel Oil System                        | GMW/ Simplex                               | 30.11.2018                | 04.05.2020                | Sep'24                    | 75%          |
| 15  | STEAM BLOWING START                         | 09.04.2021                  | 18.03.2024                                 | 5   | Cooling Towers                         | Paharpur                                   | 01.08.2018,<br>14.12.2018 | 25.11.2019,<br>26.03.2020 | Aug'24                    | 97%          |
| 16  | STEAM BLOWING COMPLETION                    | 30.04.2021                  | 30.04.2024                                 | 6   | CW Pump house                          | MHI/ Simplex                               | 06.06.2018                | 05.07.2020                | Aug'24                    | 70%          |
| 10  | STEAM BLOWING COMPLETION                    | 30.04.2021                  | 30.04.2024                                 | 7   | WPT Plant                              | GDCL                                       | 20.11.2018                | 13.09.2020                | Sep'24                    | 70%          |
| 17  | ROLLING & SYNC.                             | 31.05.2021                  | Aug-2024                                   | 8   | DM Plant                               | BGR & Simplex                              | 03.10.2018                | 04.11.2019                | Sep'24                    | 65%          |
| 1,  | ROLLING & STNC.                             | 31.03.2021                  | Aug-2024                                   | 9   | Compressed Air System                  | ATLAS COPCO                                | 23.11.2018                | 04.05.2020                | Aug'24                    | 90%          |
| 18  | FULL LOAD                                   | 30.06.2021                  | Oct- 2024                                  | 10  | Fire Protection System                 | BHEL                                       | 08.04.2019                | 17.10.2019                | Sep'24                    | 48%          |
| L   |   | 30.00.2021                  | OC 2021                                    | 11  | Switch Yard                            | JSPPL                                      | 01.08.2018                | 30.01.2020                | Aug'24                    | 99%          |
| 19  | TRIAL RUN                                   | 30.09.2021                  | Nov-2024                                   | 12  | Station Transformers                   | BHEL                                       | 10.11.2018                | 27.09.2019                | Aug'24                    | 85%          |
| Ĺ   |   |                             | TOT BUST                                   | 13  | Unit Transformers                      | BHEL                                       | 10.03.2019                | 06.02.2020                | Aug'24                    | 82.5%        |
| 20  | COD   | 30.09.2021                  | Nov-2024                                   | 14  | Railway Siding                         | RITES                                      |                           | 05-10-2020                | Sep'24                    | 85%          |
| 1   |   |                             | 1.0. 2024                                  | 15  | Power Evacuation Lines                 | UPPTCL                                     | 08.11.2017                | 24.07.2020                | Apr'23                    | 100%         |

CRITICAL ISSUES

- Delay in completion of CWPH, AHP, CHP and DM Plant
- Delay in readiness of LHS coal bunkers, 2<sup>nd</sup> path of PA fan, FD fan & ID fan.
- Inadequate manpower at site (BHEL) and frequent labour strike.

| Due to COVID 19 outbreak and its consequences. |
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|  |

ENNORE SEZ STPP, Unit# 1 & 2 (2X660 MW) / TANGEDCO (STATE SECTOR)

Village-Voyalur, Minjur, Distt-Thiruvallur (Tamil Nadu)-601203

E-Gen Portal Registration No. (U#No - 1200001984, U#2 No - 1200001985)

| Project Developer / In   | Main F   | act)                    |   |     |           |                                    |            |                |
|--|--|-------------------------|---|-----|-----------|------------------------------------|------------|----------------|
| Unit No.   | L  | OA                      | Original Trial Run                            | Dat | te        | Anticipated / Actual Tri           |            | Trial Run Date |
| Unit#1   | C  | 2014                    | 27.01.18                                      |     |           | Sept-2026                          |            |                |
| Unit#2   | Sep  | -2014                   | 27.03.18                                      |     |           |                                    | Nov-2026   |                |
|  | CLEARANCES AND S   | TATIC DAT               | Α   |     | FINA      | NCIAL DATA                         | (Fig. in R | Rs. Crore)     |
| FUEL TYPE  | Coal, Indigenous & Import  | ed                      |   | О   | RIGINA    | L ESTIMATE                         | D COST     | 9800.00        |
| COAL COMBUSTION TECHNOLOGY   | Supercritical  | ritical                 |   |     |           | ROJECT<br>ESTIMATED (              | 16444.32   |                |
| APPROVAL DATE / NTP  | 27.09.2014   |                         |   |     |           | FINANCIAL                          |            | 10444.32       |
| EPC/BTG/BoP Contractor<br>Details (Package Wise)   | M/s BHEL (EPC), LoA:   | 27.09.2014              |   |     | LOSURI    | Ξ                                  |            |                |
| PPA  | State sector project. Hence utilized by TAMILNADU  | entire 100% po          | ower from this project will be                |     | Y         | YEAR WISE EX                       | XPENDIT    |                |
|  | Allocated Mine - Chandrabila   | Coal Plank Odi          | sha: Diatanaa from mina                       |     | 2016-17   |                                    |            | 558.04         |
|  | - 1300 km (non pithead); Total indigenous 3.68 MTPA & imp                                    | 5.95MTPA, comprising of | _   |     | 2017-18   |                                    | 1261.67    |                |
| COAL LINKAGE/FSA   | MoU has already been signed  |                         | 2018-19                                       |     |           | 2606.93                            |            |                |
|  | for the supply of Import coal for<br>Bridge Linkage with SCCL av                             |                         | enous coal.                                   |     |           | 2019-20                            | 2019-20    |                |
| START UP POWER<br>AGREEMENT  | By TAGEDCO   |                         |   |     |           | 2020-21                            |            | 750.13         |
|  | Tx Line Developer  | )                       |   |     | 2021-22   |                                    | 260.14     |                |
| POWER EVACUATION   | Tx Line Name   |                         | SCTPP - North Chennai                         |     |           | 2022-23                            |            | 410.67         |
| SYSTEM   | Tx Voltage Level   | (765KV PS),             | 400 KV, D/C line                              |     |           |                                    |            |                |
|  | Configuration of Tx.<br>Line (S/C or D/C)  |                         |   |     |           | 2023-24                            | 2850.62    |                |
| LAND POSSESSION  | Acquisition of Land does n<br>(Out of 1100 acres availabl<br>of ash dyke is utilized for the | e at Ash Dyke           | of NCTPS, only 500 Acres                      |     | EXPENI    | DITURE OF Ju                       | ıly'2024   | 268.71         |
| WATER ALLOCATION   | Supply of 4 MGD water from desalination plant is envisa                                      |                         |   |     |           | L EXPENDITU<br>to 31.07.2024)      |            | 10201.39       |
| MOEF CLEARANCE   |  |                         | I(T) dt.07.01.2014. Validity<br>Dt.09.04.2021 |     |           | agreement betv<br>C contractor), I |            |                |
| extended upto 31.12.2023 as per MoEF lr. Dt.09.04.2021  Airport Authority has been addressed to issue NOC vide Letter No: Se/C/P&E/EE/EMC/AEE/C/F.ETPS-SEZTPP/D768 dt 17.4.2010. No Objection certificate issued by Airport Authority of India for the construction of chimney for the proposed Ennore SEZ TPP- 2X800 MW Project vide Lr.Ref:AAI/SR/NOC/dt 13.5.2010-validity 7years available. Validity extended upto 13.5.2022 vide their letter dt 19.5.2017. |  |                         |   |     | 1.11.2016 | o and Loan agre<br>CO signed on 1  | ement bety | ween PFC and   |
| CPCB CLEARANCE   | Not applicable   |                         |   |     |           |                                    |            |                |
| SPCB CLEARANCE   | Consent to establish under Air and water Acts issued by TNPCB vide                           |                         |   |     |           |                                    |            |                |
| FOREST CLEARANCE   | Not applicable   |                         |   |     |           |                                    |            |                |

|     | ENNORE SEZ STPP, Unit# 1 & 2 (2X660 MW) / TANGEDCO (STATE SECTOR ) |               |             |               |             |    |                                     |   |                  |                      |                                |   |   |
|-----|--|---------------|-------------|---------------|-------------|----|-------------------------------------|---|------------------|----------------------|--------------------------------|---|---|
|     | UNIT WISE MILESTONE  | S ( ANTIC     | IPATED /    | ACTUAL        | <i>.</i> )  |    | STAT                                | TUS OF MAIN PLAN  | Г РАСК           | AGE (BT              | (G): M/S                       | BHEL  |   |
|     |  | UNI           | T-01        | UNI           | T-02        | CI | Deslesses                           | ADEA  |                  | UNI                  | T-01                           | UNI   | IT-02   |
| CI  | MILECTONIE   |               | Actual /    |               | Actual /    | 21 | . Packages                          | AREA  |                  | % Con                | npletion                       | % Con   | npletion  |
| Sl. | MILESTONE  | Original Date | Anticipated | Original Date | Anticipated |    |                                     | CIVIL   |                  | 100                  | 0.00%                          | 90.   | 00%   |
|     |  |               | Date        |               | Date        | 1  | BOILER                              | STRUCTURE   |                  | 97.4                 | 49%                            | 93.60%  |   |
|     | COMPLETION OF BOILER   | 12.00.15      | 14.00.17    | 12.10.15      | 07.06.10    |    |                                     | PRESSURE PARTS  |                  | 97.49%               |                                | .49% 93.60%   |   |
| 1   | FOUNDATION   | 13.08.15      | 14.09.17    | 13.10.15      | 07.06.18    |    |                                     | CIVIL   |                  | 96.9                 | 90%                            | 87.   | 18%   |
| 2   | START OF BOILER ERECTION   | 25.08.15      | 15.09.17    | 28.10.15      | 08.06.18    | 2  | TG                                  | STRUCTURE   |                  | 96.9                 | 90%                            | 87.   | 18%   |
| 3   | BOILER DRUM LIFTING (if sub-critical unit)                         | N             | A           | N             | JA.         |    |                                     | TG ERECTION   |                  |                      | started -<br>01.24             |   | started -   |
|     |  |               |             |               |             | 3  | ESP                                 | UNDER PROGRESS  |                  | 79.                  | 12%                            | 73.   | 16%   |
| 4   | BOILER CEILING GIRDER LIFTING                                      | 28.01.16      | 30.11.18    | 28.03.16      | 16.05.19    |    |                                     | CIVIL WORK  |                  | S                    | Specification t                | ınder finalizati  | on.   |
|     | COMPLETION   | 20.01.10      | 30.11.10    | 20.03.10      | 10.03.17    | 4  | FGD                                 | MATERIAL SUPPLY   |                  |                      | •                              |   |   |
| 5   | CONDENSER ERECTION START   | 27.04.17      | Feb-24      | 20.06.17      | 20.06.22    |    | I GD                                | ERECTION WORK   |                  |                      |                                |   |   |
| 6   | TG ERECTION START  | 10.06.17      | July-24     | 10.08.17      | 31.01.24    |    |                                     | ERECTION WORK   |                  |                      |                                |   |   |
| 7   | HP PIPING ERECTION START   | 27.04.16      | 16.09.21    | 27.06.16      | 16.11.21    |    |                                     | STATUS OF BOPs (I   |                  |                      |                                |   |   |
| 8   | BOILER HYDRO TEST (DRAINABLE)<br>COMPLETION                        | 28.12.16      | 15.02.20    | 27.02.17      | 29.03.21    | SI | Packages/ Linked Project Milestones | Vendor/Contracting Agency (EPC-BHEL)  | Date of<br>Award | Scheduled<br>Date of | Anticipated/<br>Actual Date of | UNIT-01   | UNIT-02   |
| 9   | BOILER HYDRO TEST (NON-<br>DRAINABLE) COMPLETION                   | 28.04.17      | 02.03.26    | 28.06.17      | 02.05.26    | 1  | Chimney                             | M/s Simplex   | 30.01.17         | Completion 28.03.17  | Completion Dec'24              | % Completion 60%  | % Completion 60%  |
| 10  | TG BOX UP  | 27.09.17      | 30.04.25    | 27.11.17      | 30.01.25    |    |                                     | Contractor for erection M/s Promac  | 09.02.17         | 27.10.17             | Feb,25                         | 100 % (Civil),  | 34.63% (Mech)   |
|     |  |               |             |               | 20.07.24    | 2  | Coal Handling Plant                 | M/s.Bevcon (Conveyor package<br>supply), M/s.FLSIDTH- Pipe  | 18.03.17         | 27.10.17             | Feb,25                         | 53.0  | 04%   |
| 11  | HP PIPING ERECTION COMPLETION                                      | 27.05.17      | 30.03.26    | 27.07.16      | 30.05.26    |    |                                     | M/s.Promac : Stacker Reclaimer<br>supply, M/s.Elecon : Vibrating  | 09.02.17         | 27.10.17             | Feb,25                         | 80  | ) %   |
| 12  | START OF OIL FLUSHING  | 27.10.17      | 05.06.25    | 27.12.17      | 05.03.25    | 3  | Ash Handling Plant                  | M/s.Indure (for supply and erection<br>for mechanical packages) ,<br>M/s.Turbo Engineers for Sluury<br>disposal pipes supply M/s.Weir for | 14.09.17         | 27.10.17             | Dec,24                         | 57.   | 26%   |
| 13  | BOILER LIGHT UP  | 30.05.17      | 30.03.26    | 29.09.17      | 30.05.26    |    |                                     | Slurry pumps supply, M/s.Atlas<br>Copco& M/s.Ingersoll for<br>Compressor supply M/s.Suraj   |                  |                      |                                |   |   |
| 14  | CHEMICAL CLEANING COMPLETION                                       | 10.06.17      | 10.04.26    | 10.08.17      | 10.06.26    | 4  | Fuel Oil System                     | M/s.New Fire Engineers Pvt ltd.   | 13.06.17         | 30.03.17             | Dec,24                         | 63.   | 51%   |
|     |  |               |             |               |             | 5  | Cooling Towers                      | M/s.Simplex (Design – Paharpur)   | 30.01.17         | 29.04.17             | Oct,24 (U-1)<br>Jan,25 (U-2)   | 84.45   | 35.13%  |
| 15  | STEAM BLOWING START  | 20.06.17      | 20.04.26    | 20.08.17      | 20.06.26    | 6  | CW Pump house                       | CW Pump House - M/s<br>Cornerstone ( De- scoped from<br>M/s.Simplex),CW Piping: BHEL /<br>M/s Vijay Gowtham- ( De-scoped                  | 27.12.19         | 29.04.22             | Feb,25                         |   | Civil works)<br>ping works)   |
| 16  | STEAM BLOWING COMPLETION   | 15.07.17      | 15.05.26    | 15.09.17      | 15.07.26    | 7  | WPT Plant                           | M/s.Otoklin Global business<br>services for supply and erection   | 18.01.18         | 30.03.17             | Mar,25                         | Civil wor   | k 58.67%  |
| 10  | STEAM BEOWING COMPLETION   | 13.07.17      | 13.03.20    | 13.09.17      | 13.07.20    | 8  | DM Plant                            | M/s Cornerstone (De-scoped from M/s.Simplex)  | 27.09.14         | 30.03.17             | Mar,24                         | 64.   | 94%   |
| 17  | ROLLING & SYNC.  | 27.11.17      | 30.07.26    | 27.01.18      | 30.09.26    | 9  | Compressed Air System               | M/s.ELGI Equipments Ltd.  | 27.11.17         | 30.03.17             | Sep,24                         | 99.   | 13%   |
| 17  | ROLLING & STIVE.   | 27.11.17      | 30.07.20    | 27.01.18      | 30.09.20    | 10 | Fire Protection System              | BHEL- PE&SD   | July,18          | 30.03.17             | Dec,24                         | 5%(Civil v  | vorks)  |
| 18  | FULL LOAD  | 27.10.17      | 30.08.26    | 27.12.17      | 31.10.26    | 11 | Switch Yard                         | BHEL-TBG ( Awarded to Sakthi<br>Kanna Construction Ltd &<br>M/s.Vijay Gowtham- De-scoped<br>from M/s.Simplex)                             | 27.09.14         | 30.03.17             | Sep,24                         | 96  | .5%   |
| 10  | TRIAL RUN  | 27.11.17      | 30.09.26    | 27.01.18      | 30.11.26    | 12 | Station Transformers                | M/s Cornerstone   | 19.11.19         | 30.03.17             | Feb,25                         |   |   |
| 19  | IMIL KUN   |               | 30.07.20    | 27.01.10      | 30.11.20    | 13 | Unit Transformers                   | M/s Cornerstone   | 19.11.19         | 30.08.17             | Feb,25                         | 76.   | 41%   |
| 20  | COD (TRIAL RUN)  | 27.01.18      | 30.09.26    | 27.03.18      | 30.11.26    | 14 | Railway Siding                      | NA  | NA               | NA                   | NA                             | NA  | NA  |
|     |  | 27.31.10      | 50.07.20    | 2,.33.10      | 50.11.20    | 15 | Power Evacuation Lines              | TANGEDCO Ennore SEZ SCTPP-<br>North Chennai(765 KV PS), 400 KV,<br>D/C line   |                  |                      | Mar.,2023                      | Power will<br>through DC 4<br>nos 400 KV<br>pooling statio<br>KV lines to ET<br>pro | be evacuated<br>00 KV TL, i.e. 2<br>lines to 765 KV<br>n and 2 nos 400<br>PS – work under<br>gress. |

- -Delay in completion of coal & water pipe conveyor route passing over river and falling in the coastal zone area.
- In External coal handling plant area, erection of structure for a portion held up due to NGT order. Getting amendment in EC from MoEF & CC is in process.
- Slow progress in NDCT-II, CHP, AHP, EOT crane

#### REASONS OF DELAY.

- Zero date is 27.09.2014, Works commenced at Site on 09.10.2016. Project works temporarily suspended from 07.09.2015 to 18.10. 2016 due to litigation. Original completion schedule is March 2018. Work resumed at Site from 19.10.2016. Completion schedule re-fixed to 06.05.2019 (without levy of LD & penalty) due to time loss of 407 day due to court case. Time extension granted from 06.05.2019 to upto 31.08.2020 for U#1 and 31.10.2020 for Unit 2 without prejudice to levy of LD & Penalty clauses.
- Entire project civil works were awarded to M/s. Simplex. Wherever slow progress of work noticed, BHEL has de scoped the certain works from M/s. Simplex based on TANGEDCO's request, but still the progress is very poor from M/s. Simplex.
- Project activities became slow since 24th March 2020 due to lock down enforced by GOI in view of COVID-19 outbreak. Permission accorded by Distt Collector (Thiruvalur) for resumption of work at site with only 600 manpower on 25.04.2020. Work resumed by BHEL from 18.05.2020

NORTH CHENNAI STPP St - III, Unit# 1 (1X800 MW) / TANGEDCO (STATE SECTOR)

Athipattu village, Ponneri Tk, Distt.-Thiruvallur, Chennai (T.N.) - 600 120.

E-Gen Portal Registration No. (U#1 - 1200002174)

| Project Developer / In      | nplementing Agency - TAI  | Main P          | n Plant Vendor(BTG) - M/s BHEL |      |   |   |                |  |
|-----------------------------|---|-----------------|--------------------------------|------|---|---|----------------|--|
| Unit No.                    | LC  | OA              | Original Trial Run             | Date |   | Anticipated / Actual                                | Trial Run Date |  |
| Unit#1                      | Jan-  | 2016            | Apr-2019                       |      |   | Aug-2024  |                |  |
|                             | CLEARANCES AND ST   | TATIC DAT       | A                              |      | FINA  | NCIAL DATA (Fig. in                                 | Rs. Crore)     |  |
| FUEL TYPE                   | Coal, Indigenous & Importe  | ed(MMTC)        |                                |      |   | L ESTIMATED COST                                    | 6376.00        |  |
| COAL COMBUSTION             | Super critical  |                 |                                | OF   | THE   | PROJECT   | 0370.00        |  |
| TECHNOLOGY                  | •   | N. 02/2015      | IC DOD GEGEGE A H (D)          | LA   | TEST 1  | ESTIMATED COST                                      | 10158.00       |  |
| APPROVAL DATE / NTP         | BTG : SE/E/T & H (P)/ OT<br>OT No.04/2015-16  | No. 02/2015-    | 16 ; BOP : SE/E/T & H (P)      |      |   | FINANCIAL   | 28.1.2017      |  |
| EPC/BTG/BoP Contractor      | BTG contractor-BHEL(LoA   | A: 29.01.2016). | BOP contractor-M/s             | CL   | OSUR  | E   | 20.1.2017      |  |
| Details (Package Wise)      | BGR(LoA: 28.10.2016)  |                 | , 201 00.11.10                 |      | Y   | YEAR WISE EXPENDI                                   | ΓURE           |  |
| PPA                         | NOT APPLICABLE. State   | sector project. |                                |      |   | 2012-13   | 0.21           |  |
|                             |   |                 | ine - 606 km (non pithead);.   |      |   | 2012-13   | 0.21           |  |
| COAL LINKAGE/FSA            | Ministry of Coal recommen MTPA Indigenous coal to S                                 | CCL. FSA Ex     | ecuted between                 |      |   | 2013-14   | 0.40           |  |
| COAL ENVRAGE/I SA           | TANGEDCO and SCCL for with M/s. MMTC for supply                                     | -               |                                |      |   | 2014-15   | 0.13           |  |
|                             | 25.05.2015.<br>Start up Power Arrangemen  | t is through 22 | O KV level by LILO of          |      |   | 2015-16   | 0.25           |  |
| START UP POWER<br>AGREEMENT | NCTPS-1 to Ennore Feeder 05.09.2020.  |                 |                                |      |   | 2016-17   | 198.08         |  |
|                             | Tx Line Developer   | TANTRANS        | CO                             |      |   | 2017-18   | 929.75         |  |
| POWER EVACUATION<br>SYSTEM  | Tx Line Name<br>Tx Voltage Level  |                 | -North Chennai (PS), 765       |      |   | 2018-19   | 2243.52        |  |
|                             | Configuration of Tx Line  | KV, D/C line    |                                |      |   | 2019-20   | 2090.62        |  |
|                             | (S/C or D/C) The proposed site is within  | the existing No | CTPS complex and land is       |      |   | 2020-21   | 928.95         |  |
| LAND POSSESSION             | already under possession of   | TANGEDCO        |                                |      |   | 2021-22   | 760.29         |  |
|                             | The raw water requirement cooling water fore-bay of N cooling water, boiler make to | CTPS, Stage-I   | I. The make-up water for       |      |   | 2022-23   | 694.14         |  |
| WATER ALLOCATION            | to be met from desalination<br>Construction water from M                            | plant under co  | nstruction for this project.   |      |   | 2023-24   | 944.74         |  |
|                             | from 07.01.2017.  |                 |                                |      | EXI   | PENDITURE OF<br>July'2024                           | 19.83          |  |
| MOEF CLEARANCE              | Environmental clearance iss period of seven years.                                  | sued by MoEF    | on 20.01.2016 valid for a      |      |   | L EXPENDITURE<br>pto 31.07.2024)                    | 9012.53        |  |
| CIVIL AVIATION              | Chimney constructed for ful   | -               | e same was informed to         |      |   | al approval for financial                           |                |  |
| CLEARANCE                   | Airports Authority of India.  |                 |                                |      |   | 92 crores with Debt : Equ                           |                |  |
| CPCB CLEARANCE              | NOT APPLICABLE. State   | sector project. |                                |      |   | etting up of 1 x 800 MW<br>ower Plant in Tiruvallur |                |  |
| SPCB CLEARANCE              | Approval has been obtained  | on 13.04.201    | 7.                             | 05.0 | 08.2016   | u has been received from 5. Loan has been sanction  | ned on         |  |
| FOREST CLEARANCE            | ST CLEARANCE Not applicable, since the site is not coming under Forest area.        |                 |                                |      | 22.11.2016. Loan Agreement was signe 28.01.2017.) |   |                |  |

|     | NORTH CHENNAI STPP, St - III, Unit# 1 (1X800 MW) / TANGEDCO (STATE SECTOR ) |                  |  |    |                        |  |                  |            |                    |   |
|-----|---|------------------|--|----|------------------------|--|------------------|------------|--------------------|---|
|     | UNIT WISE MILESTONES  | •                |  |    | • •                    | F MAIN PLANT   |                  | AGE (E     | BTG-BI             | HEL)  |
|     |   | UNI              | T-01                                       | CI | D 1                    |  | ADEA             |            |                    | UNIT-01   |
| C1  | MILECTONIE  | Original Date of |  | 51 | Packages               |  | AREA             |            |                    | % Completion                                      |
| S1. | MILESTONE   | Completion       | Anticipated / Actual Date<br>of Completion |    |                        | CIVIL  |                  |            |                    | 100%  |
|     |   |                  | 1  | 1  | BOILER                 | STRUCTURE  |                  |            |                    | 100%  |
| 1   | COMPLETION OF BOILER  | 31.10.2016       | 14.06.18                                   |    |                        | PRESSURE PARTS   |                  |            |                    | 100%  |
| 1   | FOUNDATION  | 31.10.2016       | 14.00.18                                   |    |                        | CIVIL  |                  |            |                    | 100%  |
| 2   | START OF BOILER ERECTION  | 29.11.16         | 30.08.17                                   | 2  | TG                     | STRUCTURE  |                  |            |                    | 100%  |
| 3   | BOILER DRUM LIFTING (if sub-critical  | NA               | NA   |    |                        | TG ERECTION  |                  |            |                    | 100%  |
| 3   | unit)   | NA               | NA   | 3  | ESP                    | UNDER PROGRESS   |                  |            |                    | 100%  |
| 4   | BOILER CEILING GIRDER LIFTING   | 11.05.17         | 31.07.18                                   |    |                        | CIVIL WORK   |                  |            |                    | M/- BHEL FCD Civil                                |
| 4   | COMPLETION  | 11.03.17         | 31.07.16                                   | 4  | FGD                    | MATERIAL SUPPLY  | 7                |            |                    | M/s BHEL – FGD Civil<br>Piping and Pipe cap works |
| 5   | CONDENSER ERECTION START  | 29.08.17         | 02.01.19                                   | 4  | FGD                    | ERECTION WORK  |                  |            |                    | are in progress.                                  |
| 6   | TG ERECTION START   | 28.10.17         | 25.02.19                                   |    |                        | ERECTION WORK  |                  |            |                    |   |
| 7   | HP PIPING ERECTION START  | 24.10.17         | 25.03.18                                   |    |                        | STATUS OF BO   | Ps - BG          | RESL/      | Chenna             | i   |
| 8   | BOILER HYDRO TEST (DRAINABLE)   | 28.02.18         | 31.12.19                                   |    | Packages/              | W 1 (C   |                  | Scheduled  | Anticipated        | UNIT-01   |
| ٥   | COMPLETION  | 28.02.18         | 31.12.19                                   | Sl | Linked Project         | Vendor/Contracting<br>Agency   | Date of<br>Award | Date of    | /Actual<br>Date of | % Completion                                      |
| 0   | BOILER HYDRO TEST (NON-   | 26.09.18         | 07.12.22                                   |    | Milestones             | Agency   |                  | Completion | Completion         |   |
| ,   | DRAINABLE) COMPLETION   | 20.09.16         | 07.12.22                                   | 1  | Chimney                |  | 10.03.17         | 25.06.19   | 15.01.2024         | 100%  |
| 10  | TG BOX UP   | 07.11.18         | Aug-23                                     |    |                        |  |                  |            |                    |   |
| 11  | HP PIPING ERECTION COMPLETION   | 13.04.19         | 30.11.22                                   | 2  | Coal Handling Plant    |  | 21.07.17         | 25.07.19   | 30.09.2024         | 93.33%  |
| 14  | START OF OILFLUSHING  | 29.11.18         | 03.11.20                                   |    |                        |  |                  |            |                    |   |
| 12  | BOILER LIGHT UP   | 29.10.18         | May-23                                     | 3  | Ash Handling Plant     |  | 25.11.17         | 28.07.19   | 30.09.2024         | 90%   |
| 13  | CHEMICAL CLEANING COMPLETION  | 27.02.19         | 22-06-23                                   | 4  | Fuel Oil System        |  | 27.07.17         | 28.06.19   | 15.03.2024         | 100%  |
| 15  | STEAM BLOWING START   | 31.12.18         | 23-09-23                                   | 5  | Cooling Towers         | M/s. BGR ESL   | 16.05.17         | 21.09.19   | 31.08.2024         | 93%   |
| 16  | STEAM BLOWING COMPLETION  | 29.01.19         | 24-11-23                                   | 6  | CW Pump house          |  | 09.01.18         | 28.05.19   | 31.08.2024         | 97%   |
| 10  | STEAM BEOWING COMPLETION  | 29.01.19         | 24-11-23                                   | 7  | WPT Plant              |  | 16.06.17         | 17.05.19   | 31.08.2024         | 95%   |
| 17  | ROLLING & SYNC.   | 28.02.19         | 14-01-24                                   | 8  | DM Plant               |  | 06.10.17         | 28.05.19   | 31.08.2024         | 95%   |
| 17  | ROLLING & STIVE.  | 28.02.19         | 14-01-24                                   | 9  | Compressed Air System  |  | 10.12.17         | 28.08.19   | 31.01.2022         | 100%  |
| 10  | EUL LOAD  | 29.02.10         | 27.06.24                                   | 10 | Fire Protection System |  | 01.07.17         | 14.05.19   | 30.09.2024         | 90.5%   |
| 18  | FULL LOAD   | 28.03.19         | 27-06-24                                   | 11 | Switch Yard            |  | 19.08.17         | 26.10.19   | 05.04.2024         | 100%  |
| 10  | TRIAL RUN   | 28.04.19         | Ang 24                                     | 12 | Station Transformers   | BHEL   | 24.07.18         | 28.04.19   | 05.09.2020         | 100%  |
| 19  | TRIAL KUN   | 26.04.19         | Aug-24                                     | 13 | Unit Transformers      | BHEL   | 06.03.18         | 27.02.19   | 31.01.2023         | 100%  |
| 20  | COD   |                  |  | 14 | Railway Siding         | NA   | NA               | NA         | NA                 | NA  |
| 20  | COD   | 28.07.19         | Aug-24                                     | 15 | Power Evacuation Lines | TANTRANSCO, NCTPS St-III<br>-North Chennai (PS), 765 KV,<br>D/C line | 12.01.18         | 11.11.19   | Nov-2023           | 100%  |

- AHP- Ash dyke pipeline erection pending due to NGT issue. Alternate arrangement has been made. - Delay in CHP Readiness: Alternate arrangement for ECHS is made from NCTPS, St-I.

# REASONS OF DELAY

Due to COVID Lock down in 2020 & 2021 and non-availability of Industrial Oxygen in 2020 & 21, Delay in CW pipe line readiness.

# UDANGUDI STPP, St-I, Unit# 1 & 2 (2x660 MW) / TANGEDCO (STATE SECTOR ) Distt.- Thoothukudi, Tamil Nadu

E-Gen Portal Registration No. (. Unit-1: 1200002175, Unit -2: 1200002176)

| Project Developer / Im                           | plementing Agency – TA   | ,  | Main 1  |                       |               | – M/s BHEL (EPC cont            | ract)                             |  |
|--|--|--|---|-----------------------|---------------|---------------------------------|-----------------------------------|--|
| Unit No.   | L  | OA   | Original Trial Run  | Date                  |               | Anticipated / Actual            | Trial Run Date                    |  |
| Unit#1   | Dag  | :-2017   | Jan-2021  |                       |               | Mar -202                        |                                   |  |
| Unit#2   |  |  | Mar-2021  |                       |               | May –202                        |                                   |  |
|  | CLEARANCES AND ST  |  | A   |                       |               | NCIAL DATA (Fig. in             | Rs. Crore)                        |  |
| FUEL TYPE<br>COAL COMBUSTION                     | Coal, Indigenous & Import Supercritical  | ed (Indonesia)   |   | 4 1                   |               | L ESTIMATED COST<br>ROJECT      | 13076.71                          |  |
| TECHNOLOGY                                       | BGT-SE/E/T & H(P)/OT N   | Jo. 01/2015-16   | <u> </u>  | LAT                   | EST E         | ESTIMATED COST                  | 13076.71                          |  |
| APPROVAL DATE / NTP                              | ` '  | 0.1/2020-21.   | •   |                       | TE OF<br>SURE | FINANCIAL                       | Financial tie up<br>with M/s. PFC |  |
| EPC/BTG/BoP Contractor<br>Details (Package Wise) | Awarded to BHEL as EPC   | Contractor on  | 07.12.2017  | YEAR WISE EXPENDITURE |               |                                 |                                   |  |
| PPA  | NOT APPLICABLE. State  | sector project.  |   |                       |               | 2017-18                         | 127.02                            |  |
| COAL LINKAGE/FSA                                 | Allocated Mine – Chandrabila of 3.647 MTPA and MDO selo  | ection is under pr   | rocess. Distance from mine  |                       |               | 2018-19                         | 359.31                            |  |
|  | (appx): Railway distance for rr<br>via Paradip port is 200 km.(Cha<br>Udangudi captive Port, sea dist<br>is 5.893 MTPA with Indigenou<br>2.246 MTPA. Import coal (2.24<br>Bridge Linkage with SCCL ava | andrabila to Para<br>ance is 1224 Nau<br>as coal of 3.647 I<br>46 MTPA) will b | dip port), from Paradip port to atical Miles. Total requirement MTPA and import coal of e procured to the requirements. |                       |               | 2019-20                         | 699.30                            |  |
| START UP POWER<br>AGREEMENT                      | 230/11 KV Karaigudi Feed   | ler  |   |                       |               | 2020-21                         | 1899.52                           |  |
|  | Tx Line Developer  |  |   | <u> </u>              |               | 2021-22                         | 1827.38                           |  |
| POWER EVACUATION                                 |  |  |   |                       |               | 2022-23                         | 3009.66                           |  |
| SYSTEM   | Tx Line Name<br>Tx Voltage Level   | Udangudi ST  | PP – Ottapidaram, 400 KV,   |                       |               | 2023-24                         | 2028.91                           |  |
|  | Configuration of Tx Line (S/C or D/C)  | D/C line (BH   | EL/L&T)   | EXPI                  | ENDIT         | ΓURE OF July'2024               | 160.49                            |  |
| LAND POSSESSION                                  | Contracts awarded to M/s. per the NGT(SZ), Chennai   | BHEL & M/S I<br>Judgment date<br>Z) filed in the d                             | NGEDCO Possession. EPC<br>L&T has been suspended as<br>d 17.03.2021, delivered on<br>esignated court for a period       | Т                     |               | L EXPENDITURE<br>to 31.07.2024) | 10,647.241                        |  |
| WATER ALLOCATION                                 | Tamil Nadu Maritime Boar for drawal and discharge of   |  | OC for construction of Jetty, vide 27.4.2015.   |                       |               |                                 |                                   |  |
| MOEF CLEARANCE                                   | Ministry of Environment at above Project on 18.05.201  |  | ccorded clearance for the   |                       |               |                                 |                                   |  |
| CIVIL AVIATION<br>CLEARANCE                      | Clearance expired on 21.11 21.11.2024.   | .2019. Clearan   | ce further extended up to   |                       |               |                                 |                                   |  |
| CPCB CLEARANCE                                   | NOT APPLICABLE. State  | sector project.  |   |                       |               |                                 |                                   |  |
| SPCB CLEARANCE                                   | CRZ committee of MOEF MOM published in web sit   |  | the Project on 28.1.16 and  |                       |               |                                 |                                   |  |
| FOREST CLEARANCE NOT APPLICABLE                  |  |  |   |                       |               |                                 |                                   |  |

|     | UDANGUDI STPP, St-I, Unit# 1 & 2 (2x660 MW) / TANGEDCO (STATE SECTOR ) |               |                     |               |                     |     |                                  |   |                      |                      |                      |             |                 |
|-----|--|---------------|---------------------|---------------|---------------------|-----|----------------------------------|---|----------------------|----------------------|----------------------|-------------|-----------------|
|     |  |               |                     |               |                     | vv) |                                  | OF MAIN PLANT   |                      | ACE                  | RTC) ·               | M/c PH      | FT              |
|     | UNIT WISE MILESTONE  | · ·           | T-01                |               | T-02                |     | SIATUS                           | JE WIAIN FLAN   | IFACE                |                      | T-01                 |             | T-02            |
|     |  | UNI           | 11-01               | UNI           | .1-02               | Sl  | Packages                         | AREA  |                      |                      |                      |             |                 |
| S1. | MILESTONE  | Original Date | Actual /            | Ominimal Data | Actual /            |     |                                  | CIVII   |                      |                      | npletion             |             | pletion         |
|     |  | Original Date | Anticipated<br>Date | Original Date | Anticipated<br>Date | ١.  | DOM ED                           | CIVIL   |                      | 93.                  | 85%                  | 95.5        | 03%             |
|     |  |               |                     |               |                     | 1   | BOILER                           | STRUCTURE   |                      | 90.                  | 21%                  | 92.8        | 37%             |
|     | COMPLETION OF BOILER   | 12.00.10      | 10.04.21            | 12.11.10      | 21.04.21            |     |                                  | PRESSURE PARTS  |                      | 97.                  | 29%                  | 97.3        | 75%             |
| 1   | FOUNDATION   | 12.09.18      | 10.04.21            | 12.11.18      | 21.04.21            |     |                                  | CIVIL   |                      | 99.                  | 52%                  | 97.0        | 06%             |
|     | am i par ou pour up upparatou  | 25.00.40      | 20.00.40            | 25.11.10      | 4 4 00 40           | 2   | TG                               | STRUCTURE   |                      | 92.                  | 67%                  | 86.8        | 38%             |
| 2   | START OF BOILER ERECTION   | 27.09.18      | 20.09.19            | 27.11.18      | 16.09.19            |     |                                  | TG ERECTION   |                      | 87.:                 | 57%                  | 82.3        | 31%             |
|     | BOILER DRUM LIFTING (if sub-critical                                   |               |                     |               |                     | 3   | ESP                              | UNDER PROGRESS  |                      | 96.                  | 10%                  | 96.1        | 18%             |
| 3   | unit)  | -             | -                   | -             | -                   |     |                                  | CIVIL WORK  |                      |                      |                      |             |                 |
|     | BOILER CEILING GIRDER LIFTING  |               |                     |               |                     | ١.  |                                  | MATERIAL SUPPLY   | 7                    | 1 .                  |                      |             |                 |
| 4   | COMPLETION   | 09.02.19      | 26.06.21            | 09.04.19      | 18.06.21            | 4   | FGD                              |   |                      | <b>'</b>             | Work yet             | to be award | led             |
| 5   | CONDENSER ERECTION START   | 15.08.19      | 28.12.22            | 15.10.19      | 01.04.23            |     |                                  | ERECTION WORK   |                      |                      |                      |             |                 |
| 6   | TG ERECTION START  | 12.09.19      | 01.02.23            | 12.11.19      | 30.03.23            |     |                                  | STATUS OF   | BOPs (1              | BHEL-                | EPC)                 |             |                 |
| 7   | HP PIPING ERECTION START   | 30.10.19      | 16.04.23            | 30.10.19      | 15.05.23            |     | Packages/                        | Vendor/Contracting  |                      | Scheduled            | Anticipated          | UNIT-01     | UNIT-02         |
|     | BOILER HYDRO TEST (DRAINABLE)  |               |                     |               |                     | Sl  | _                                | Agency (EPC-  | Date of<br>Award     | Date of              | /Actual<br>Date of   | %           | %               |
| 8   | COMPLETION   | 27.02.20      | 15.12.22            | 27.04.2020    | 20.12.22            |     | Milestones                       | BHEL)   | Awaru                | Completion           | Completion           | Completion  | Completion      |
|     | BOILER HYDRO TEST (NON-  |               |                     |               |                     |     |                                  | M/s.BHEL/ M/s Bygging- Civil                                |                      | 26.10.19             | 20.02.04             | 10          | 0%              |
| 9   | DRAINABLE) COMPLETION  | 02.07.20      | 09.08.24            | 02.09.20      | 31.08.24            | 1   | Chimney                          | Structural Erection   | 08.10.18             | 03.12.20             | 20.03.24<br>31.05.24 |             | 0%              |
| 10  | TG BOX UP  | 30.07.20      | 30.10.24            | 30.09.20      | 30.10.24            |     |                                  | M/s. BHEL/ M/s Kanwar/ M/s                                  | 01.03.22             | 25.06.20             | 23.10.24             | 97.:        | 53%             |
| -   |  |               |                     |               |                     | 2   | Coal Handling Plant              | Priya- Civil<br>M/s. BHEL/ M/s.RPP/URC                      | 15.07.19             | 25.06.20             | 30.10.24             | 50.         | 90%             |
| 11  | HP PIPING ERECTION COMPLETION  | 06.08.20      | 31.08.24            | 06.10.20      | 30.11.24            | -   | Coal Handing Hank                | Structural Erection   | 15.07.19             | 25.06.20             | 30.10.24             | 39.         | 90%             |
|     |  |               |                     |               |                     |     |                                  | M/s. BHEL/IGG   | 09.05.19             | _                    | 31.03.25             |             |                 |
| 12  | START OF OILFLUSHING   | 30.07.20      | 08.10.24            | 30.09.20      | 08.11.24            |     |                                  | M. DALLA (DDDAG : : G: :)                                   |                      |                      |                      |             |                 |
| -   | DITACL OF OLLY DOCUME.   | 30.07.20      | 00.10.21            | 50.07.20      | 00.11.2             | 3   | Ash Handling Plant               | M/s.BHEL/ RPP/Srinic- Civil<br>M/s.BHEL/ M/s.RPP/URC-       | 11.05.20<br>15.07.19 | 25.06.20<br>25.06.20 | 23.09.24<br>15.09.24 | 70.9        | 97%             |
| 13  | BOILER LIGHT UP  | 09.07.20      | 20.09.24            | 09.09.20      | 20.10.24            |     | Tim Timiding Timi                | Structural Erection<br>M/s. BHEL Mechanical Equipment       | 15.03.19             | 30.11.20             | 15.10.24<br>31.03.25 |             | -               |
|     |  |               |                     |               |                     | 4   | Fuel Oil System                  | M/s.BHEL/ M/s.RPP Civil                                     | 25.07.19             | 22.01.20             | 27.08.24             | 97.:        | 20%             |
| 14  | CHEMICAL CLEANING COMPLETION   | 30.07.20      | 15.07.24            | 30.09.20      | 28.10.24            |     | Cooling Towers                   | M/s.BHEL/ M/s.Gammon  | 16.12.2019           | 22.10.20             | 30.11.24             | 82.01%      | 52.74%          |
| -   |  |               |                     |               |                     | F   | Cooling Towers                   |   | 10.12.2019           | 22.10.20             | 15.02.25             | 02.0170     | 32.1470         |
| 15  | STEAM BLOWING START  | 13.08.20      | 30.09.24            | 13.11.20      | 30.10.24            | 6   | CW Pump house                    | M/s.BHEL/ M/s.B&B M/s.BHEL/<br>M/s.Akash Techno             | 04.06.19             | 17.01.20             | 20.08.24<br>30.08.24 |             | 88%<br>65%      |
|     |  |               |                     |               |                     | 7   | WPT Plant                        | M/s.BHEL/ M/s.B&B   | 04.06.19             | 07.02.20             | 25.10.24             |             | 44%             |
| 16  | STEAM BLOWING COMPLETION   | 03.09.20      | 20.12.24            | 03.11.20      | 31.01.25            | 8   |                                  | M/s.BHEL/ M/s.RPP   | 25.07.19             | 12.10.19             | 25.08.24             |             | 75%             |
|     |  |               |                     |               |                     |     | Compressed Air System            | M/s.BHEL / M/s.Power Mech                                   | 07.01.22             | 01.11.20             | 25.05.25             |             | 0%              |
| 17  | ROLLING & SYNC.  | 12.11.20      | 31.01.25            | 12.01.21      | 26.02.25            | _   | Fire Protection System           | M/s. BHEL   | 07.01.22             | 22.10.20             | 25.09.24             | 6.3         |                 |
| -   |  |               |                     |               |                     | _   | •                                | M/s. BHEL/ M/s. RB Electrical                               | 25.06.21             |                      | 29.02.24             |             |                 |
| 18  | FULL LOAD  | 31.12.20      | 25.02.25            | 28.02.21      | 30.04.25            | 12  | Switch Yard Station Transformers |   | 25.06.21             | 23.05.19             | 29.02.24             | 10          | 0%              |
| -   |  |               |                     |               |                     | 13  |                                  | M/s RHEL / M/s Power Mosh                                   | 30.12.21             | 15.06.20             | 30.09.24             | 06.         | 76%             |
| 19  | TRIAL RUN  | 07.01.21      | Mar-25              | 07.03.21      | May-25              | 13  | Generator Transformers           | ransformers M/s.BHEL / M/s Power Mech                       | 30.12.21             | 15.00.20             | 30.09.24             | 96.         | 7070            |
|     |  |               |                     |               |                     | 14  | Unit Transformers                |   |                      |                      |                      |             |                 |
| 20  | COD  | 25.02.21      | Mar-25              | 25.04.21      | May-25              | 15  | Railway Siding                   | NA  | NA                   | NA                   | NA                   | N           | ΙA              |
| 120 |  | 20.02.21      | 25                  | 20.07.21      | 1111, 20            | 16  | Power Evacuation Lines           | Udangudi STPP – Ottapidaram,<br>400 KV, D/C line (BHEL/L&T) | 27.01.20             | 11.10.20             | 29.02.24             | 10          | <mark>0%</mark> |

# REASONS OF DELAY

COVID 19, Labor shortage / Vendor Mobilization delay by Contractor, Fishermen issue at Coal Jetty

<sup>-</sup>Slow progress in DM Water System, Sea water system
-The slow progress in GIS switchyard, NDCTs & critical piping erection;
-FGD work is yet to be awarded (by TANGEDCO)

# YADADRI TPS, Unit# 1, 2, 3, 4 & 5 (5x800 MW) / TSGENCO (STATE SECTOR )

Veerlapalem village, Damercharla Mandal, Nalgonda, Telangana -508208

E-Gen Portal Registration No. (U#1-1200001092; U#2-1200001093; U#3-1200001094; U#4-1200001095; U#5-1200001096)

| Project Developer / I   | mplementing Agency - TS   |                              | Main Plant Vendor - BHEL (EPC contract)                   |                              |                         |                                    |              |                   |  |
|---|---|------------------------------|---|------------------------------|-------------------------|------------------------------------|--------------|-------------------|--|
| Unit No.  | L   | OA                           | Original Trial Run  | Dat                          | te                      | Anticipated /                      | Actual C     | COD Date          |  |
| Unit#1  |   |                              | Oct-2021  |                              |                         | C                                  | Oct-2024     |                   |  |
| Unit#2  |   |                              | Oct-2021  |                              |                         | C                                  | Oct-2024     |                   |  |
| Unit#3  | Oct   | -2017                        | Jun-2022  |                              |                         | F                                  | eb-2025      |                   |  |
| Unit#4  |   |                              | Jun-2022  |                              |                         | N.                                 | 1ar-2025     |                   |  |
| Unit#5  |   |                              | Oct-2022  |                              |                         |                                    | pr-2025      |                   |  |
|   | CLEARANCES AND S  | TATIC DAT                    | 'A  |                              |                         | NCIAL DATA (                       |              | s. Crore)         |  |
| FUEL TYPE COAL COMBUSTION   | Coal, Indigenous Supercritical  |                              |   |                              | ORIGINAL<br>OF THE P    | L ESTIMATED<br>ROJECT              | COST         | 29965.48          |  |
| TECHNOLOGY  |   |                              |   | L                            | LATEST E                | ESTIMATED CO                       | OST          | 34542.95          |  |
| APPROVAL DATE / NTP   | PROVAL DATE / NTP 04.10.2014 (MoU entered with BHEL)  LOI was issued to M/s BHEL as EPC contractor (BTG & BO  |                              |   | DATE OF FINANCIAL<br>CLOSURE |                         |                                    |              | *                 |  |
| EPC/BTG/BoP Contractor<br>Details (Package Wise)  | etails (Package Wise)  01.06.2015 . Revised LOI issued on Dt:17.10.2017 for considering new norms & impact of GST with zero date as 17.10.2017.             |                              |   |                              | YEAR WISE EXPENDITURE   |                                    |              | JRE               |  |
| PPA   |   |                              |   |                              | 2015-16                 |                                    |              | 499.46            |  |
| COAL LINKAGE/FSA  | Ministry of Coal vide File  | No.23014/1/20                | nine - 270 km (non pithead);<br>18-CLD, Dt:15-02-2018 has | 2016-17                      |                         |                                    | 59.29        |                   |  |
|   | granted coal linkage from S (grade-G9).   | SCCL for suppl               | ly of 14 MTPA of coal                                     |                              |                         | 2017-18                            |              | 941.44            |  |
| START UP POWER  | As per clause no.2.2 of PPA, TSDISCOMS shall provide electrical energy to TSGENCO for construction, start up and maintenance, al                            |                              |   |                              |                         | 2018-19                            |              | 2129.24           |  |
| AGREEMENT   | for commissioning of the p  |                              | ar up and mannerance, also                                |                              |                         | 2019-20                            |              | 2935.56           |  |
|   | Tx Line Developer   | TSTRANSC                     | Ondi, 400 KV, D/C line;                                   |                              | 2020-21                 |                                    | 4427.5<br>4  |                   |  |
| POWER EVACUATION<br>SYSTEM  | Tx Line Name<br>Tx Voltage Level  | ii) YTPS-Cho<br>iii) YTPS-Da | outuppal,400 KV, D/C line;<br>umarcherla, 400 KV,         |                              |                         | 2021-22                            |              | 3582.33           |  |
|   |   | D/C line;<br>iv) YTPS-Jar    | nagaon, 400 KV, D/C line.                                 |                              | 2022-23                 |                                    |              | 5703.27           |  |
|   | Configuration of Tx Line (S/C or D/C)   |                              |   | EXPEN                        |                         | 2023-24<br>XPENDITURE OF July'2024 |              | 5409.16<br>407.06 |  |
| LAND POSSESSION   | (Details about land area sti  |                              |   |                              |                         | EXPENDITURI                        |              | +07.00            |  |
| WATER ALLOCATION  | Water Source from river K year) allotted vide G.O.Ms  | ~ .                          | ` .   |                              | 27486.42                |                                    |              |                   |  |
| MOEF CLEARANCE  | EC obtained from MoEF&<br>Dt.29- 06-2017 with a valid<br>MoEF clearance(i.e upto 20   | dity of 7 years              | *                   |                              | M/s REC Lt<br>9-07-2015 | d vide Lr dt 11-08-2               | 2015. M/s PI | FC Ltd vide Lrdt  |  |
| CIVIL AVIATION<br>CLEARANCE   | 1.NOCID:NADI/SOUTH/B/071216/149982,Dt:26.07.2016.<br>2.NOCID:NADI/SOUTH/B/071216/149984,Dt:26.07.2016.<br>3.NOCID:NADI/SOUTH/B/071216/149988,Dt:26.07.2016. |                              |   |                              |                         |                                    |              |                   |  |
| CPCB CLEARANCE  | Not Applicable  |                              |   |                              |                         |                                    |              |                   |  |
| SPCB CLEARANCE  | Consent for Establishment<br>No.10/TSPCB/CFE/RO-N   |                              |   |                              |                         |                                    |              |                   |  |
| Approval was accorded by Central Govt. Ministry of Environme Forest, Climate Change, MoEF &CC, GOI, FC Section, New Didiversion of forest land to an extent of 1892.35 hectares vide lr.no.F.No.8.07/2015-FC dt.07-07-2015 Subsequent G.O. was is by Govt. of Telangana vide G.O.Ms.No.38,dt.30-07-2015 by EF (For) Department. |   |                              |   |                              |                         |                                    |              |                   |  |

## Status as on 31-07-2024

|     | Status as on 31-07-2024  YADADRI TPS, Unit# 1, 2, 3, 4 & 5 (5x800 MW) / TSGENCO (STATE SECTOR ) |                           |               |                                 |               |                                 |               |                                 |               |                                 |               |                                 |
|-----|---|---------------------------|---------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|
|     | STATUS OF BTG WORKS   |                           |               |                                 |               |                                 |               |                                 |               |                                 |               |                                 |
|     |   | T                         | _             | T-01                            |               | T-02                            | UNI           | T-03                            | UNI           | T-04                            | UNI           | T-05                            |
| S1. | Packages  | AREA                      |               | pletion                         |               | npletion                        |               | npletion                        |               | npletion                        |               | npletion                        |
|     |   | CIVIL                     |               | 00%                             |               | .00%                            |               | .00%                            |               | .00%                            |               | 0.00%                           |
| 1   | BOILER  | STRUCTURE                 | <u> </u>      | 02%                             |               | 79%                             | 82.3          |                                 | 91.3          |                                 |               | 78%                             |
|     |   | PRESSURE PARTS            |               | .00%                            | 100.00%       |                                 | 99.87%        |                                 |               | 32%                             |               | 05%                             |
|     |   | CIVIL                     | 99.00%        |                                 | 98.50%        |                                 | 98.00%        |                                 |               | 00%                             | 97.0          |                                 |
| 2   | TG  | STRUCTURE                 | 98.3          | 39%                             | 98.8          | 88%                             | 99.2          | 25%                             |               | 01%                             | 92.:          | 54%                             |
|     | TGERECTION  |                           | 90.3          | 39%                             | 91.3          | 34%                             | 45.2          | 1%                              |               | 92%                             | -             | 42%                             |
| 3   | ESP   | UNDER PROGRESS            | 98.:          | 54%                             | 99.3          | 30%                             | 96.           | 80%                             | 98.5          | 87%                             | 91.2          | 26%                             |
|     | CIVIL WORK  |                           |               | 00%                             | 42.0          | 00%                             | 42.0          | 00%                             | 42.0          | 00%                             | 42.0          | 00%                             |
| 4   | ECD   | MATERIAL SUPPLY           | 72.           | 00%                             | 72.0          | 00%                             | 72.0          | 00%                             | 72.           | 00%                             | 72.           | 00%                             |
| 4   | 4 FGD ERECTION WORK   |                           |               | 0%                              | 1.00%         |                                 | 1.00%         |                                 | 1.0           | 0%                              | 1.0           | 0%                              |
|     |   | UNIT WISE N               | MILEST        | ONES (A                         | NTICIP        | NTICIPATED /                    |               | L)                              |               |                                 |               |                                 |
|     |   | UNI                       | T-01          | UNI                             | TT-02         | UNI                             | T-03          | UNI                             | T-04          | UNI                             | T-05          |                                 |
| S1. | MILESTONE   |                           | Original Date | Actual /<br>Anticipated<br>Date |
| 1   | COMPLETION OF BO  | 08.01.20                  | 08.01.20      | 29.12.19                        | 29.12.19      | 11.02.20                        | 11.02.20      | 16.02.20                        | 16.02.20      | 23.03.20                        | 23.03.20      |                                 |
| 2   | START OF BOILER E   | RECTION                   | 18.02.20      | 18.02.20                        | 30.07.20      | 30.07.20                        | 18.03.20      | 18.03.20                        | 30.07.20      | 30.07.20                        | 14.08.20      | 14.08.20                        |
| 3   | BOILER DRUM LIFT  | NG (if sub-critical unit) | N             | ÍΑ                              | N             | IA                              | N             | ΙA                              | N             | ΙA                              | N             | ÍΑ                              |
| 4   | BOILER CEILING GIF  | RDER LIFTING COMPLETION   | 31.01.21-     | 20.03.21                        | 31.03.21      | 31.03.21                        | 11.04.21      | 11.04.21                        | 09.06.21      | 09.06.21                        | 07.09.21      | 07.09.21                        |
| 5   | CONDENSER ERECT   | ION START                 | 31.03.21      | 20.10.21                        | 31.05.21      | 03.01.22                        | 30.05.21      | 13.12.22                        | 31.07.21      | 24.10.22                        | 15.10.21      | 09.10.22                        |
| 6   | TG ERECTION STAR  | Γ                         | 03.05.21      | 20.12.21                        | 30.06.21      | 31.01.22                        | 31.08.21      | 21.12.22                        | 30.10.21      | 25.10.22                        | 30.11.21      | 20.10.22                        |
| 7   | HP PIPING ERECTION  | N START                   | 01.04.21      | 16.09.21                        | 01.05.21      | 01.01.22                        | 01.06.21      | 15.07.22                        | 01.07.21      | 31.07.22                        | 01.08.21      | 31.07.22                        |
| 8   |   | T (DRAINABLE) COMPLETION  | 31.01.22      | 31.07.22                        | 31.03.22      | 21.06.22                        | 31.05.22      | 26.05.23                        | 31.07.22      | 15.09.22                        | 30.09.22      | 26.05.23                        |
| 9   | BOILER HYDRO TES COMPLETION   | T (NON-DRAINABLE)         | 15.07.22      | 15.03.23                        | 15.09.22      | 15.02.23                        | 15.11.22      | 01.08.23                        | 15.01.23      | 10.07.23                        | 15.03.23      | 15.08.23                        |
| 10  | TG BOX UP   |                           | 31.05.22      | 30.03.23                        | 31.07.22      | 05.02.23                        | 31.08.22      | 30.09.24                        | 30.10.22      | 30.08.24                        | 30.11.22      | 31.10.24                        |
| 11  | HP PIPING ERECTION  | N COMPLETION              | 13.10.22      | 30.08.24                        | 13.11.22      | 28.08.24                        | 13.12.22      | 28.11.24                        | 13.01.23      | 15.10.24                        | 13.02.23      | 15.10.24                        |
| 12  | START OF OIL FLUSI  | HING                      | 30.04.22      | 09.06.23                        | 31.05.22      | 23.03.23                        | 31.07.22      | 30.12.24                        | 30.09.22      | 30.11.24                        | 30.10.22      | 31.01.25                        |
| 13  | 13 BOILER LIGHT UP  |                           |               | 14.05.24                        | 30.09.22      | 14.05.24                        | 30.11.22      | 31.10.24                        | 31.01.23      | 30.09.24                        | 31.03.23      | 31.12.24                        |
| 14  | 14 CHEMICAL CLEANING COMPLETION   |                           |               | 20.08.24                        | 29.09.22      | 31.05.24                        | 29.10.22      | 31.11.24                        | 29.11.22      | 31.10.24                        | 29.12.22      | 31.12.24                        |
| 15  | 15 STEAM BLOWING START  |                           |               | 20.07.24                        | 14.10.22      | 12.06.24                        | 14.11.22      | 30.11.24                        | 14.12.22      | 31.08.24                        | 14.01.23      | 30.09.24                        |
| 16  | 16 STEAM BLOWING COMPLETION   |                           |               | 25.08.24                        | 14.11.22      | 25.07.24                        | 14.12.22      | 31.12.24                        | 14.01.23      | 30.11.24                        | 14.02.23      | 31.1225                         |
| 17  | 17 ROLLING & SYNC.  |                           |               | 25.09.24                        | 31.12.22      | 31.08.24                        | 31.01.23      | 28.01.25                        | 31.03.23      | 31.12.24                        | 31.05.23      | 28.02.25                        |
| 18  | 18 FULL LOAD  |                           |               | 15.10.24                        | 15.03.23      | 30.09.24                        | 15.04.23      | 10.02.25                        | 15.05.23      | 28.02.25                        | 15.06.23      | 31.03.25                        |
| 19  | 19 TRIAL RUN  |                           |               | Oct-24                          | Mar'23        | Oct-24                          | Apr'23        | Feb-25                          | May'23        | Mar-25                          | Jun'23        | Apr-25                          |
| 20  | COD   |                           |               |                                 |               |                                 |               |                                 |               |                                 |               |                                 |

Status as on 31-07-2024

|     | Status as on 31-07-2024  |  |                      |                                 |                      |                   |             |             |             |            |  |
|-----|--|--|----------------------|---------------------------------|----------------------|-------------------|-------------|-------------|-------------|------------|--|
|     | YADADRI TPS, Unit# 1, 2, 3, 4 & 5 (5x800 MW) / TSGENCO (STATE SECTOR ) |  |                      |                                 |                      |                   |             |             |             |            |  |
|     |  |  | STATUS               | OF BOP                          | S                    |                   |             |             |             |            |  |
|     | 5 1 (7) 1 5  | Vendor/Contracting Agency  |                      |                                 | Anticipated/Act      | UNIT-01           | UNIT-02     | UNIT-03     | UNIT-04     | UNIT-05    |  |
| S1. | Packages/ Linked Project Milestones                                    |  | Date of Award        | Scheduled Date<br>of Completion | ual Date of          | %                 | %           | %           | %           | %          |  |
|     | Wifestones   |  |                      |                                 | Completion           | Completion        | Completion  | Completion  | Completion  | Completion |  |
|     |  | Bygging India Ltd for Unit   | 03.02.20             |                                 | 30.12.23             | Shell Conc        | reting-100% | Shell Conc  | reting-100% | SC-100%    |  |
| 1   | Chimney  | #1&2;Paharpur for Unit #3&4;                                       | 24.02.20             | 31.07.22                        |                      | Flue can E        | Erection    | Flue can E  | Erection    | FCE-       |  |
|     |  | ByggingIndia Ltdfor Unit #5  | 12.02.20             |                                 |                      | 100               | )%          | 100         | )%          | 100%       |  |
|     |  | Powermech (Conveyor package)                                       | 09.08.20             | 31.12.22                        | 30.08.24             | 98.98%            |             |             |             |            |  |
| 2   | Coal Handling Plant (Civil)  | Powermech (Wagon tripler)  | 10.12.20             | 30.06.23                        | 30.08.24             | 99.82%            |             |             |             |            |  |
|     |  | Powermech (Stacker Reclaimer)                                      | 08.10.20             | 30.06.23                        | 30.08.23             | 100%              |             |             |             |            |  |
| 3   | Ash Handling Plant   | BHEL/ Powermech  | 08.06.21             | 31.12.22                        | 31.10.24             | Civil & Mech-72%  |             |             |             |            |  |
| 4   | Fuel Oil System  | BHEL/Thermosystems   | 19.02.21             | 31.07.22                        | 30.06.23             | 100%              |             |             |             |            |  |
|     |  | BHEL/NBCC for Unit #1 (Now M/s Paharpur)<br>BHEL/Gammon for Unit#2 | 09.01.21<br>18.12.20 | 30.10.22<br>28.02.23            | 30.09.24<br>30.09.24 |                   |             |             |             |            |  |
| 5   | Cooling Towers   | BHEL/NBCC for Unit#3   | 06.02.21             | 31.03.23                        | 30.12.24             | 96.95%            | 97.64%      | 91.86%      | 86.53%      | 63.65%     |  |
|     |  | BHEL/Gammon for Unit#4<br>BHEL/NBCC for Unit#5                     | 25.02.21<br>18.03.21 | 30.04.23<br>31.05.23            | 30.12.24<br>30.02.25 |                   |             |             |             |            |  |
| 6   | CW Pump house  | CW pump house & channel - BHEL/HES                                 |                      |                                 | 31.08.24             | 98%               | 95%         | 99.58%      | 85.92%      | 85.92%     |  |
| 7   | WPT Plant  | BHEL/SCC   | 03.02.21             | 31.01.22                        | 30.08.24             |                   | Ci          | vil & Mech- | 94%         | <u> </u>   |  |
| 8   | DM Plant   | BHEL/SCC   | 01.10.20             | 31.01.22                        | 30.08.24             |                   | Civil       | & Mech-9 8  | .92%        |            |  |
| 9   | Compressed Air System  | BHEL/HES   | 12.02.21             | 31.05.22                        | 30.08.24             |                   | Civil       | & Mech- 98  | .58%        |            |  |
| 10  | Fire Protection System   | BHEL   | -                    | 31.07.22                        | 31.10.24             | 40.00%            |             |             |             |            |  |
| 11  | Switch Yard  | BHEL/Bluechip  | 13.02.21             | 31.07.22                        | 30.09.24             | Civil & Mech- 98% |             |             |             |            |  |
| 12  | Generator Transformers   | BHEL/EIPL for Unit-1<br>BHEL/KEPL for Unit-2                       | 14.12.19             | 30.10.22                        | 30.08.24             |                   |             |             |             |            |  |
| 13  | Station Transformers   | BHEL/EIPL for Unit-3   | 17.10.20<br>26.10.19 | 31.12.22<br>31.01.23            | 30.08.24<br>31.08.24 | 99.0%             | 99%         | 98.5%       | 97%         | 90%        |  |
| 14  | Unit Transformers  | BHEL/KEPL for Unit-4 BHEL/KEPL for Unit-5                          | 22.10.19             | 31.03.23                        | 30.08.24             |                   |             |             |             |            |  |
|     |  |  | 18.12.19             | 31.05.23                        | 31.08.24             |                   |             | 0001        |             | <u> </u>   |  |
| _   | Railway Siding   | Work in progress   | 06.06.2022           | 06.12.23                        | 30.08.24             | ****              |             |             |             |            |  |
| 16  | Power Evacuation Lines   | TS TRANSCO/MEIL  | 06.08.20             | 24.02.22                        | 31.10.24             | 87%               |             |             |             | Į.         |  |

#### **CRITICAL ISSUES**

-Delay in readiness of Tippler Floor, Crusher House, Transport air Compressor House

- -Delay in readiness of Ash Disposal Pipeline, Wet ash disposal system
- -MoEF&CC, GoI issued additional ToR on 08.11.2023 where in, it was directed to conduct public hearing. Public hearing conducted on 20-02-2024.
- -EAC meeting held on 05.04.2024 and Amendment to EC received on 07.05.2024

#### REASONS OF DELAY

- 1) Delay in agency finalization of Main plant civil works and Boiler erection works.
- 2) The works of YTPS were adversely affected due to Covid-19 (1.0) as lockdown was imposed by State Government. Further upon resumption of the site works also, the works could not progress at the required pace, due to acute shortage of man power as most of the available workers at site have left.
- 3) The impact of monsoons and unprecedented rains during other seasons resulted in frequent dewatering caused interruption to the movement of men and machinery which affected the work progress at YTPS site.
- 4) The outbreak of Covid-19 (2.0) again hit the country with higher magnitude from March 2021 onwards. Number of workers and engineers are effected with Covid-19 in the project. Erection works are hampered due to non-availability of oxygen cylinders as the oxygen is diverted to Hospitals as per the directions of State Government.

BHUSAWAL SUPERCRITICAL TPP, Unit# 6 (1X660 MW) / MAHAGENCO (STATE SECTOR )
Village Pimpari Sekam, Tal Bhusawal, Distt.- Jalgaon, Maharashtra, Pincode-425307 E-Gen Portal Registration No. (U#6 - 1200002450)

| Project Developer / Imp   | plementing Agency - MAI  | Main Plant Vendor - N |  |    | PC Contract) |                                |        |                |
|---|--|-----------------------|--|----|--------------|--------------------------------|--------|----------------|
| Unit No.  | L  | οA                    | Original Trial Run   | Da | te           | Anticipated / Act              | ual '  | Trial Run Date |
| Unit#6  |  | 2018                  | May-2022   |    |              | Oct-2                          | 2024   |                |
|   | CLEARANCES AND ST  | TATIC DAT             | A  |    | FINA         | NCIAL DATA (Fig                | . in R | Rs. Crore)     |
| FUEL TYPE   | Coal, Indigenous   |                       |  |    |              | L ESTIMATED CO                 | ST     | 4548.00        |
| COAL COMBUSTION<br>TECHNOLOGY   | Super Critical   |                       |  | ╽┢ | OF THE P     | PROJECT<br>ESTIMATED COST      | ,      |                |
| APPROVAL DATE / NTP   | 25-09-2009   |                       |  |    |              | FINANCIAL                      |        | 6350.99        |
| EPC/BTG/BoP Contractor  | M/s BHEL (EPC Contrac  | t, LoA:17.01          | .2018)   |    | CLOSURI      |                                |        | NA             |
| Details (Package Wise)  | Long Term Power Purchase   | A graamant de         | otod 24 12 2010 with   | Ш  | Y            | YEAR WISE EXPEN                | IDIT   | URE            |
| PPA   |  |                       | Co. ltd for 100% of installed                                  |    |              | 2018-19                        |        | 52.36          |
| COAL LINKAGE/FSA  | Allocated Mine - WCL, Um<br>403/430km; Allocation Dat<br>G9/G10, Quantity: 318 mil | e: 11-09-2020,        | Distance from mine –<br>, Source:WCL mines ,Grade:             |    |              | 2019-20                        |        | 577.36         |
|   | ·  |                       | n Company Ltd (MSETCL)   |    |              | 2020-21                        |        | 909.57         |
| START UP POWER<br>AGREEMENT   |  | connectivity, w       | which is valid till 06.06.2021.                                |    |              | 2021-22                        |        | 1290.16        |
|   | Letter regarding extension on 07.05.2021.  | ip to Dec-202         | 2, is sent to STU, MSETCL                                      |    |              | 2022-23                        |        | 629.89         |
|   |  |                       |  |    |              | 2023-24                        |        | 1022.29        |
|   |  |                       |  |    | EXPEN        | DITURE OF July'20              | )24    | 30.25          |
|   | Tx Line Developer  | MSETCL                |  |    |              | AL EXPENDITURE pto 31.07.2024) |        | 4660.24        |
| POWER EVACUATION<br>SYSTEM  | Tx Line Name<br>Tx Voltage Level   |                       | Bhusawal-II - Aurangabad<br>/C line at Thaptitanda             |    | (u           | рю 31.07.2024)                 |        |                |
|   | Configuration of Tx Line (S/C or D/C)  |                       |  |    |              |                                |        |                |
| LAND POSSESSION   | Total Land Required: 120.3<br>Total land acquired: 118.41<br>Hectare               |                       | ul land in use: 118.415  |    |              |                                |        |                |
| WATER ALLOCATION  | Source: - Tapi River, Quant  | ity: - 18.85 M        | M3 Per Annum.  |    |              |                                |        |                |
| MOEF CLEARANCE  | Clearance obtained date fro : 26/11/2022   | m concerned a         | uthority: 27/11/2012 validity                                  |    |              |                                |        |                |
| CIVIL AVIATION<br>CLEARANCE   | Clearance obtained date from: 23/02/2022   | m concerned a         | uthority: 27/08/2008 validity                                  |    |              |                                |        |                |
| CPCB CLEARANCE  | Not Applicable   |                       |  | ]  |              |                                |        |                |
| SPCB CLEARANCE  |  | granted for pe        | uthority: 10/06/2020 validity criod up to commissioning of er. |    |              |                                |        |                |
| FOREST CLEARANCE Clearance obtained date from concerned authority: 14/01/2020 validity: 26/11/2022. |  |                       |  |    |              |                                |        |                |

Status as on 31-07-2024

|     | В   | HUSAWAL SUPE                | RCRITICAL TPP,                             | Uni | t# 6 (1X660 N                       | MW) / MAHAGENCO (S   |                           |                       | 31-07-20<br>)             | <u>U24</u>   |
|-----|---|-----------------------------|--|-----|-------------------------------------|--|---------------------------|-----------------------|---------------------------|--------------|
|     | UNIT WISE MILESTONES                            |                             |  |     |                                     | TUS OF MAIN PLANT PACK                                       |                           |                       |                           |              |
|     |   | UNI                         | T-06                                       | a.  |                                     |  |                           |                       |                           | UNIT-06      |
| S1. | MILESTONE                                       |                             |  | SI. | Packages                            | ARE  | A.                        |                       |                           | % Completion |
| 31. | MILESTONE                                       | Original Date of Completion | Anticipated / Actual Date of<br>Completion |     |                                     | CIVIL  |                           |                       |                           |              |
|     |   |                             |  | 1   | BOILER                              | STRUCTURE WORKS  |                           |                       |                           | 98%          |
| 1   | COMPLETION OF BOILER FOUNDATION                 | 25.11.2019                  | 15.11.2019                                 |     |                                     | PRESSURE PARTS   |                           |                       |                           |              |
| 2   | START OF BOILER ERECTION                        | 30.11.2019                  | 22.11.2019                                 |     |                                     | CIVIL  |                           |                       |                           | ]            |
| 3   | BOILER DRUM LIFTING (if sub-critical unit)      | NA                          | NA   | 2   | TG                                  | STRUCTURE WORKS  |                           |                       |                           | 99%          |
| 4   | BOILER CEILING GIRDER LIFTING<br>COMPLETION     | 30.06.2020                  | 20.01.2021                                 |     |                                     | PRESSURE PARTS   |                           |                       |                           |              |
| 5   | CONDENSER ERECTION START                        | 31.10.2020                  | 30.03.2022                                 | 3   | ESP                                 | PASS STATUS  |                           |                       |                           | 98%          |
| 6   | TG ERECTION START                               | 30.11.2020                  | 03.03.2022                                 |     |                                     | CIVIL WORK   |                           |                       |                           |              |
| 7   | HP PIPING ERECTION START                        | 11.05.2021                  | 22.03.2021                                 | 4   | FGD MATERIAL SUPPLY                 |  |                           |                       | 66%                       |              |
| 8   | BOILER HYDRO TEST (DRAINABLE)<br>COMPLETION     | 31.05.2021                  | 04.11.2022                                 |     | ERECTION WORK                       |  |                           |                       |                           |              |
| 9   | BOILER HYDRO TEST (NON-DRAINABLE)<br>COMPLETION | 10.11.2021                  | Mar-2023                                   |     | STATUS OF BOPs                      |  |                           |                       |                           |              |
| 10  | TG BOX UP                                       | 30.11.2021                  | 10.04.2023                                 |     |                                     |  |                           | Scheduled             | Anticipated/Act           | UNIT-01      |
| 11  | HP PIPING ERECTION COMPLETION                   | 25.04.2022                  | Oct,2023                                   | SI  | Packages/ Linked Project Milestones | Vendor/Contracting Agency (EPC- BHEL)                        | Date of<br>Award          | Date of<br>Completion | ual Date of<br>Completion | % Completion |
| 12  | START OF OILFLUSHING                            | 04.12.2021                  | June-2023                                  |     | Chimney                             | M/s Powermech  | 30.05.2019                | 28.02.2022            | Apr-2024                  | 100%         |
|     |   |                             |  | F   | ee,                                 | M/s BJCL & Macawber Beekay Pvt Ltd.(Conveyor                 | 27.05.2019                | 30.04.2022            | Aug-2024                  | 98%          |
| 13  | BOILER LIGHT UP                                 | 30.11.2021                  | Mar-2023                                   | ,   | Coal Handling Plant                 | package<br>M/s BJCL& Promac (Wagon tippler)                  | 28.05.2019                | 30.04.2022            | Aug-2024                  | 95%          |
|     |   |                             |  | ا ا | Cour randing rank                   | M/s BJCL& Promac(Stacker Reclaimer)                          | 24.08.2019,<br>28.05.2019 | 30.04.2022            | Jul-2024                  | 100%         |
| 14  | CHEMICAL CLEANING COMPLETION                    | 20.12.2021                  | Jun-2023                                   | 3   | Ash Handling Plant                  | M/s BJCL & Macawber Beekay Pvt Ltd.                          | 24.08.2019,               | 31.03.2022            | Aug-2024                  | 85%          |
|     |   |                             |  | 4   | Fuel Oil System                     | M/s. New Fire Engineers Pvt Ltd.                             | 23.12.2021<br>19.09.2019  | 21.11.2021            | Aug-2024                  | 98%          |
| 15  | STEAM BLOWING START                             | 24.01.2022                  | Sep-2023                                   | 5   | Cooling Towers                      | M/s Hayagrev civil engineering Pvt Ltd                       | 1.11.2019,<br>05.03.2022  | 31.03.2022            | May-2024                  | 100%         |
|     | CTT AND ONLY COMPLETION                         | 10.00.0000                  | 0000                                       | 6   | CW Pump house                       | M/s Alpha power engineering services Pvt<br>Ltd,G&J Pvt Ltd. | 29.01.2019                | 28.02.2022            | Jan-2024                  | 100%         |
| 16  | STEAM BLOWING COMPLETION                        | 19.02.2022                  | Oct-2023                                   | 7   | WPT Plant                           | M/s Clear Water company                                      | 17.02.2020                | 12.12.2021            | Aug-2024                  | 86%          |
| 17  | DOLLING & SVAIG                                 | 21.02.2022                  | 17.01.2024                                 | 8   | DM Plant                            | M/s Wipro Enterprises Pvt Ltd                                | 14.01.2020                | 30.11.2021            | Sep-2023                  | 99%          |
| 17  | ROLLING & SYNC.                                 | 31.03.2022                  | 17-01-2024                                 | 9   | Compressed Air System               | M/s Elgi equipment Ltd.                                      | 24.08.2020                | 04.11.2021            | Mar-2023                  | 99%          |
| 10  | FULL LOAD                                       | 20.04.2022                  | 0.4.2024                                   | 10  | Fire Protection System              | M/s Alpha power engineering services Pvt Ltd                 | 29.01.2021                | 20.05.2021            | Aug-2024                  | 99%          |
| 18  | FOLLEUAD  | 30.04.2022                  | Oct-2024                                   | 11  | Switch Yard                         | M/s BNC Power Projects Ltd                                   | 15.02.2021                | 28.02.2022            | Jan-2023                  | 100%         |
| 10  | TRIAL RUN                                       | 21.05.2022                  | Oct-2024                                   | 12  | Station Transformers                | M/s BHEL   | 17.01.2018                | 08.07.2021            | Jan-2023                  | 100%         |
| 19  | TRIAL RUN                                       | 31.05.2022                  | Oct-2024                                   | 13  | Unit Transformers                   | M/s BHEL   | 17.01.2018                | 20.01.2022            | Aug-2024                  | 90%          |
| 20  | COD   | 21.05.2022                  | Oct-2024                                   | 14  | Railway Siding                      | ISC Projects   | 02.01.2021                | 31.03.2022            | Aug-2024                  | 86%          |
| 20  | COD   | 31.05.2022                  |  | 15  | Power Evacuation Lines              | MSETCL/BNC Power Projects                                    | 15.02.2021                | 28.02.2022            | Feb,2023                  | 100%         |

# CRITICAL ISSUES

- Rectification of deformation in spiral tubes (water wall) of boiler.
   Coal Bunker (RHS) & CHP structural welding works slow progress, which is critical for coal firing activity.
   Railway siding: civil works slow progress, which may delay Trial Operation.

| D. | FΛ             | SO   | NC | $\mathbf{OF}$ | DEI  | AY   |
|----|----------------|------|----|---------------|------|------|
| N  | $\Gamma_{I}/A$ | .71, |    | v,            | 1764 | /A I |

| <b>D</b> | a       |       |        |
|----------|---------|-------|--------|
| Due to   | Covid-1 | 9 pan | demic. |

# SAGARDIGHI TPP, St-III, Unit# 5 (1X660 MW) / WBPDCL (STATE SECTOR )

PS-Sagardighi, PO-Manigram, Block-Sagardighi, Subdivision-Jangipur, Distt.-Murshidabad (W. B.), Pin-742 237 E-Gen Portal Registration No. (U#5 - 1200002116)

| Project Developer /   | Implementing Agency - W  | Main Plant Vend                           |  |         | EL (EPC Contract)               |   |                |  |  |
|---|--|---|--|---------|---------------------------------|---|----------------|--|--|
| Unit No.  | L  | OA  | Original Trial Run   | Dat     | te                              | Anticipated / Actual                          | Trial Run Date |  |  |
| Unit#5  | 27 <sup>th</sup>   | Dec-2018                                  | Jan-2024   |         |                                 | Mar-202                                       | 5              |  |  |
|   | CLEARANCES AND S'  | TATIC DATA                                | A  |         | FINANCIAL DATA (Fig. in Rs. Cro |   |                |  |  |
| FUEL TYPE   | Coal, Indigenous   |   |  | - 1     |                                 | L ESTIMATED COST                              | 3862.65*       |  |  |
| COAL COMBUSTION TECHNOLOGY  | Super Critical   |   |  |         |                                 | ROJECT ESTIMATED COST                         | 4567.32#       |  |  |
| APPROVAL DATE / NTP   | Notice to Proceed Date: 01 the State Cabinet held on 2                           |   | proposal was approved in   |         | DATE OF                         |   |                |  |  |
| EPC/BTG/BoP Contractor<br>Details (Package Wise)  | EPC contract awarded to B  | HEL (LOA : 27                             | 7.12.2018)   | С       | 02.01.2017                      |   |                |  |  |
| Details (Fackage Wise)  |  |   |  |         | Y                               | EAR WISE EXPENDIT                             | TURE           |  |  |
| PPA   | Power Purchase Agreement   | t executed with                           | WBSEDCL  |         |                                 | 2018-19                                       | 70.00          |  |  |
| Allocated Mine - Pachhwara (North) Captive Coal Mine of WBPDCL COAL LINKAGE/FSA  Distance from mine - 150 km (non pithead); |  |   |  |         |                                 | 2019-20                                       | 56.25          |  |  |
| COME ENVENCE/15/1   | Coal will be sourced mainly  |   |  | 2020-21 | 362.47                          |   |                |  |  |
| START UP POWER  |  |   |  |         |                                 | 2021-22                                       |                |  |  |
| AGREEMENT   | Sagardighi Thermal Power   | Project                                   |  |         |                                 | 2022-23                                       | 662.34         |  |  |
|   | Tx Line Developer  | i) STPP – Ne                              | w Sagardighi, 220 KV, D/c  |         |                                 | 2023-24                                       | 697.10         |  |  |
| POWER EVACUATION<br>SYSTEM  | Tx Line Name<br>Tx Voltage Level   | line,<br>ii) STPP- Fara<br>iii) STPP-Puru | ukka, 400 KV D/c line,<br>lia 400 KV D/c line,<br>arampore 400 KV, D/C line, |         | EXPEN                           | DITURE OF July'2024                           | 34             |  |  |
|   | Configuration of Tx Line (S/C or D/C)  | v) STPP- Gok                              | arna 400 KV D/C line.  |         | TOTA                            | AL EXPENDITURE<br>(upto 31.07<br>.2024)       | 2197.75        |  |  |
| LAND POSSESSION   | Adequate land is available land under possession for F 184 Ha for ash disposal.) |   | (WBPDCL have 365 Ha of I of the plant and another                            | *       |                                 | Approval<br>d in the State Cabinet<br>03.2018 |                |  |  |
| WATER ALLOCATION  | Source:River Bhagirathi/Hototal for the entire Project. 15015/1/2019/NMCG, Date  | Permission vide                           | F. No. TE-   | •       |                                 |   |                |  |  |
| MOEF CLEARANCE  |  |   | 012/01/2019-IA. I (T) dated<br>t. of India for new unit No 5                 |         |                                 |   |                |  |  |
| CIVIL AVIATION<br>CLEARANCE   | NOC for height Clearance MALD/EAST/B/100316/1                                    |   | 9.10.2016 obtained from  |         |                                 |   |                |  |  |
| CPCB CLEARANCE  | Not Applicable   |   |  |         |                                 |   |                |  |  |
| SPCB CLEARANCE  | Online application for Gramade to WBPCB on 27.03.                                |   | Establish / NoC has been be  |         |                                 |   |                |  |  |
| FOREST CLEARANCE  | Not Applicable   |   |  |         |                                 |   |                |  |  |

|     | Status as on 31-07-2024 SAGARDIGHI TPP, St-III, Unit# 5 (1X660 MW) / WBPDCL (STATE SECTOR ) |                             |                              |     |                                     |  |                         |                             |                                |   |  |
|-----|---|-----------------------------|------------------------------|-----|-------------------------------------|--|-------------------------|-----------------------------|--------------------------------|---|--|
|     | UNIT WISE MILESTONE   |                             | -                            | (1  | • •                                 | •  |                         |                             | CC) . M/a                      | DIIDI   |  |
|     | UNIT WISE MILESTONE   |                             | T-05                         |     | 51A.                                | TUS OF MAIN PLAN   | 1 PACK                  | AGE (B)                     | (G): MI/S                      | UNIT-05   |  |
|     |   | UNI                         | .1-05                        | Sl. | Packages                            |  | AREA                    |                             |                                |   |  |
| S1. | MILESTONE   | Original Date of Completion | Anticipated / Actual Date of |     |                                     | CIVIL  |                         | % Completion                |                                |   |  |
|     |   | Original Date of Completion | Completion                   | ١,  | BOILER                              | STRUCTURE  |                         | 55.06%                      |                                |   |  |
|     |   |                             |                              | 1   | BOILER                              | PRESSURE PARTS   |                         | 92.27%                      |                                |   |  |
| 1   | COMPLETION OF BOILER FOUNDATION   | 19.04.2021                  | 16.10.2021                   |     |                                     | CIVIL  |                         |                             |                                | 100%  |  |
| 2   | START OF BOILER ERECTION  | 29.04.2021                  | 27.03.2021                   | 2   | TG                                  |  |                         |                             |                                |   |  |
| 3   | BOILER DRUM LIFTING (if sub-critical  | NA                          | NA                           |     |                                     | STRUCTURE CIVIL WORKS  |                         |                             |                                | 100%  |  |
| -   | unit)   |                             |                              | 3   | ESP                                 | STRUCTURAL WORKS   |                         |                             |                                | 97.93%  |  |
| 4   | BOILER CEILING GIRDER LIFTING<br>COMPLETION   | 30.12.2021                  | 22.06.2022                   | 4   | FGD                                 | STREET CHAILS WORLD  | TON                     | STARTED                     | YET                            | 21.2274   |  |
| 5   | CONDENSER ERECTION START  | 03.03.2022                  | 03.08.2022                   |     | 1.05                                | STAT   | US OF B                 |                             | 121                            |   |  |
| 6   | TG ERECTION START   | 02.05.2022                  | 28.08.2022                   |     | Τ                                   |  |                         |                             |                                | UNIT-01   |  |
| 7   | HP PIPING ERECTION START  | 25.11.2022                  | 15.04.23                     | Sl. | Packages/ Linked Project            | 0 0 1  | Date of                 | Scheduled<br>Date of        | Anticipated/A<br>ctual Date of |   |  |
| F   | BOILER HYDRO TEST (DRAINABLE)   |                             | 28.02.2024                   |     | Milestones                          | BHEL)  | Award                   | Completion                  | Completion                     | % Completion                                      |  |
| 8   | COMPLETION  | 30.12.2022                  |                              | 1   | Chimney                             | M/s. BHEL  | 17.08.2021              | 17.05.2023                  | 30.09.2024                     | 97%   |  |
| 9   | BOILER HYDRO TEST (NON-   | 29.05.2023                  | Aug'24                       |     |                                     | Conveyor package: Bengal Tools<br>Limited  | 27.12.2018              | 15.12.2023                  | 30.12.2024                     | 82%.  |  |
|     | DRAINABLE) COMPLETION   |                             | D 124                        | 2   | Coal Handling Plant                 | Twin Wagon Tippler :<br>ThyssenKrupp   | N                       | 13.12.2023                  | 30.12.2024                     |   |  |
| 10  | TG BOX UP   | 01.06.2023                  | Dec'24                       |     |                                     | Existing Stacker Reclaimer of<br>Stage-II will be used   | NA                      | NA                          | NA                             | NA  |  |
| 11  | HP PIPING ERECTION COMPLETION   | 26.08.2023                  | Nov'24                       | 3   | Ash Handling Plant                  | M/s. MacawberBeekey Pvt. Ltd.  | 27.12.2018<br>(ZERO     | 28.03.2024                  | 30.12.2024                     | 78%   |  |
|     |   |                             | Sout?24                      | 4   | Fuel Oil System                     | M/s. BHEL M/s. Paharpur Cooling Towers   | DATE AS<br>PER          | 27.08.2023                  | 31.12.2024                     | 0%  |  |
| 12  |   | 28.03.2023                  | Sept'24<br>Oct'24            | 5   | Cooling Towers                      | Limited  | CONTRACT                | 31.12.2022                  | 31.10.2024                     | 93.86%  |  |
| 13  | BOILER LIGHT UP   | 13.06.2023                  | Oct 24                       | 6   | - · · · · · · · · · · · · · · · · · | M/s. BHEL  | 01.07.2020)             | 09.12.2023                  | 27.12.2024                     | 48%   |  |
| 14  | CHEMICAL CLEANING COMPLETION  | 28.06.2023                  | Oct,24                       | 8   |                                     | Will be used from Existing   |                         |                             | 31.12.2023                     | Existing from Stage – II Project<br>will be used. |  |
|     |   |                             | N. 224                       | 9   |                                     |  |                         |                             | 31.12.2023                     | 70%   |  |
| -   | STEAM BLOWING START   | 13.07.2023                  | Nov'24                       | 11  |                                     | M/s. BHEL  | 27.12.2018              | 25.08.2023                  | 31.08.2024                     | 20%   |  |
| 16  | STEAM BLOWING COMPLETION  | 12.08.2023                  | Dec'24                       | 12  |                                     | M/s. BHEL  | (ZERO<br>DATE AS        | 24.03.2024                  | 30.12.2024                     | 71%   |  |
| 17  | ROLLING & SYNC.   | 01.09.2023                  | Jan'25                       | 15  | Switch Yard                         | M/s. BHEL  | PER                     | 22.03.2024                  | 30.12.2024                     | /1%   |  |
|     |   |                             | Y 105                        | 16  | Station Transformers                | M/s. BHEL  | CONTRACT<br>01.07.2020) | 30.03.2023                  | 31.12.2024                     | 71%   |  |
| 18  | FULL LOAD   | 01.11.2023                  | Jan'25                       | 18  | Unit Transformers                   | M/s. BHEL  |                         | 27.08.2023                  | 31.12.2024                     |   |  |
|     |   |                             |                              | 19  | Railway Siding                      | Railway siding exists. M/s. Rites wi   |                         |                             |                                |   |  |
| 19  | TRIAL RUN   | 01.01.2024                  | Mar-25                       | 20  | Power Evacuation Lines              | Power Evacuation from the proposed unit shall be done through the exis consisting of following feeders  i) STPP – New Sagardighi, 220 KV, D/c line,  ii) STPP- Farakka, 400 KV D/c line, |                         | existing electrical network |                                |   |  |
| 20  | COD   | Jan-24                      | Mar-25                       | 20  | Swel Evacuation Lines               | iii) STPP-Purulia 400 KV D/c line, iv) STPP-Subhashgram 400KV D/c line, v) STPP-Jeerat 400KV D/c line, vi) STPP-Baharampore 400 KV, D/C line, vii) STPP-Gokarna 400 KV D/C line.         |                         |                             |                                |   |  |

Delay in supply of critical piping, LT Switchgear

Slow progress in CHP

Supply of SCR package for NO<sub>x</sub> control

## REASONS OF DELAY

- 1. Effect of COVID -19 during Project Tenure:, Scarcity of Industrial Oxygen affected fabrication work. Quarantine of workers & officials.
- Restrictions affected mobilization.
   Delay in sequential supply of Critical Items, mainly Boiler Pressure Parts from BHEL-Trichy works.
- 4. Delay in supply of Double Girder EOT Crane (more than 100 MT capacity) which resulting in delay in delay in Turbine Erection. TPI completed in Feb 2023.
- 5. Delay in ordering of Bought out items, like:
  - Condensate Polishing Unit.
  - Mill Rejection System.
  - Control Valves.

# DCR TPP Extn., Unit# 3 (1X800 MW) / HPPGCL (STATE SECTOR)

Rattanpura, Yamunanagar, Yamunanagar, Haryana— 768001 E-Gen Portal Registration No. ( U#3 – Not yet registered )

| Project Developer / Impleme | nting Agency -HPGCL | Main Plant Vendor - M/s BHEL (EPC contract) |                                     |  |  |  |  |  |
|-----------------------------|---------------------|---|-------------------------------------|--|--|--|--|--|
| Unit No.                    | LOA                 | Original Trial Run<br>Date                  | Anticipated / Actual Trial Run Date |  |  |  |  |  |
| Unit#3                      | 08-02-2024 (LOI)    | Sept-29                                     | Sept-2029 (Tentative)               |  |  |  |  |  |

| Unit#3               | 08-02-2024 (LOI)   | Sept-29               | Sept-2029 (Te           | entative)         |
|----------------------|--|-----------------------|-------------------------|-------------------|
|                      | CLEARANCES AND STATIC DA   | ГА                    | FINANCIAL DATA (F       | ig. in Rs. Crore) |
| FUEL TYPE            | Coal, Non-Pithead  |                       | ORIGINAL ESTIMATED COST | 6900              |
| COAL                 | Ultra-Supercritical  |                       | OF THE PROJECT          |                   |
| COMBUSTION           |  |                       | LATEST                  |                   |
| TECHNOLOGY           | X  | 00.00.00.4            | ESTIMATED COST          | 6900              |
| APPROVAL             | Letter of Intent issued to M/s BHEL o  | n 08.02.2024          | DATE OF FINANCIAL       | Financial         |
| DATE / NTP<br>PPA    | LIDCCI has the mandate to sumply no  | vian to Hanvana Stata | CLOSURE                 | closure is in     |
| PPA                  | HPGCL has the mandate to supply po<br>Discoms only and thus no separate PP       |                       |                         | process.          |
|                      | and only quantum of power in existing  |                       | YEAR WISE EXP           |                   |
|                      |  |                       | EXPENDITURE OF          | 1.39              |
| COAL                 | Standing Linkage Committee (Long Te  |                       | Jan'24                  |                   |
| INKAGE/FSA           | Coal in its meeting on 19.09.2023 has  | _                     | EXPENDITURE of          | NA                |
|                      | linkage of 37.1 Lac Metric Tonne per A   |                       | July- 24                |                   |
|                      | for a period of 3-years i.e. upto 23.02  |                       |                         |                   |
| START UP             | It will be drawn from exisiting 220 kV   | •                     | TOTAL                   | 1.39              |
| POWER                | DCRTPP, Yamunanagar, whereby, 2 N  |                       | EXPENDITURE             |                   |
| AGREEMENT            | MVA ICTs will be provided to connect   | _                     | (up to 31.07.24)        |                   |
|                      | switchyard with upcoming 400 kV swi  |                       |                         |                   |
|                      | 800 MW Unit-3. From 400 kV switchy   |                       |                         |                   |
|                      | supplied for start up through 2 Nos, 4   | 00/11 kV, 130 MVA     |                         |                   |
| OWED                 | Station Transformers.  | 400 11/               |                         |                   |
| POWER                | Power will be evacuated through 2 No   |                       |                         |                   |
| EVACUATION<br>SYSTEM | Transmission lines, to be drawn by Ha  |                       |                         |                   |
| SISIEW               | Nigam Limited (HVPNL). Proposed 400  | -                     |                         |                   |
|                      | also be connected to exisiting 220 kV  | -                     |                         |                   |
| AND                  | providing 2 Nos, 400/220 kV, 315 MV  |                       |                         |                   |
| LAND<br>POSSESSION   | Unit shall be installed witin in the exist DCRTPP, no additional land is require |                       |                         |                   |
| OSSESSION            | DCRTPP, no additional fand is require  | eu.                   |                         |                   |
| WATER                | Consent has been obtained from Irriga  |                       |                         |                   |
| ALLOCATION           | regular supply of 22 Cusecs of raw wa  |                       |                         |                   |
|                      | for the proposed 800 MW Ultra Supe   | rcritical unit at     |                         |                   |
| (OFF                 | DCRTPP, Yamunanagar.   | L M FEO CC            |                         |                   |
| MOEF                 | TOR has been granted for the project   |                       |                         |                   |
| CLEARANCE            | 24.03.2023. Accordingly, baseline moconducted at site by M/s MECON Ltd           |                       |                         |                   |
|                      | report is being finalized, after which,  |                       |                         |                   |
|                      | held at site through HSPCB. Subseque   |                       |                         |                   |
|                      | Enviornment Clearance shall be filed   |                       |                         |                   |
| CIVIL                | NoC for NDCT Height Clearance has  |                       |                         |                   |
| AVIATION             | Airport Authority of India (AAI) on 2  |                       |                         |                   |
| CLEARANCE            | from Ministry of Defense (MoD) is av   |                       |                         |                   |
| СРСВ                 | Not Applicable   |                       |                         |                   |
| CLEARANCE            |  |                       |                         |                   |
| SPCB                 | Not Applicable   |                       |                         |                   |
| CLEARANCE            |  |                       |                         |                   |
| FOREST               | Not Applicable   |                       |                         |                   |
| CLEARANCE            |  |                       |                         |                   |
|                      |  |                       |                         |                   |

# DCR TPP Extn., Unit# 3 (1X800 MW) / HPPGCL (STATE SECTOR)

| SI.    | Milestone (A                                     | UNI                            |   | SI  |                                  |     |                   | PLANT PA              |               |               |       |
|--------|--|--------------------------------|---|-----|----------------------------------|-----|-------------------|-----------------------|---------------|---------------|-------|
|        | Milestone  |                                | 1-03  | 51  | PACKAGE AREA                     |     |                   | <u> </u>              | UNIT-03       |               |       |
| 1      |  | Original Date of<br>Completion | Actual /<br>Anticipated Date<br>of Completion | 1   | BOILER                           |     | CIVIL             |                       |               |               |       |
|        | Completion Of Boiler<br>Foundation               |                                |   |     | T.G                              |     | CIVIL             | RE PARTS              |               |               |       |
| 2      | Start Of Boiler Erection                         |                                |   | 2   | TG                               |     | TG EREC           | CTION                 |               |               |       |
| 3      | Boiler Ceiling Girder Lifting<br>Completion      |                                |   | 3   | ESP                              |     | CIVIL W           |                       |               |               |       |
| 4      | Condenser Erection Start                         |                                |   | 4   | FGD                              |     |                   | IAL SUPPLY<br>ON WORK |               |               |       |
| 5      | TG Erection Start                                |                                |   | S1. | Packages/                        | Ve  | STA ndor/         | TUS OF I              | Scheduled     | Ant/ Actual   |       |
| 6      | HP Piping Erection Start                         |                                |   |     | Linked<br>Project                | Co  | ntracting<br>ency | Award                 | Date of Comp. | Date of Comp. | UNIT- |
| 7      | Boiler Hydro Test (Drainable)<br>Completion      |                                |   | 1   | Milestones<br>Chimney            | (DI | PSI)              |                       |               |               |       |
| 8      | Boiler Hydro Test (Non-<br>Drainable) Completion |                                |   | 2   | Coal<br>Handling                 |     |                   |                       |               |               |       |
| 9      | TG BOX UP  |                                |   | 3   | Plant Ash Handling               |     |                   |                       |               |               |       |
| 10     | HP Piping Erection<br>Completion                 |                                |   | 4   | Plant Fuel Oil System            |     |                   |                       |               |               |       |
| 11     | Start Of Oil Flushing                            |                                |   | 5   | Cooling<br>Towers                |     |                   |                       |               |               |       |
| 12     | Boiler Light Up                                  |                                |   | 6   | CW Pump<br>house                 |     |                   |                       |               |               |       |
| 13     | Chemical Cleaning Completion                     |                                |   | 7   | WPT Plant<br>DM Plant            |     |                   |                       |               |               |       |
| 14     | Steam Blowing Start                              |                                |   | 9   | Compressed<br>Air System<br>Fire |     |                   |                       |               |               |       |
| 15     | Steam Blowing Completion                         |                                |   | 10  | Protection<br>System             |     |                   |                       |               |               |       |
| 16     | Rolling & Sync.                                  |                                |   | 11  | Switch Yard<br>Station           |     |                   |                       |               |               |       |
| 17     | Full Load  |                                |   | 13  | Transformers Unit Transformers   |     |                   |                       |               |               |       |
| 18     | Trial Run  |                                |   | 14  | Railway<br>Siding                |     |                   |                       |               |               |       |
| 19     | COD  |                                |   | 15  | Power<br>Evacuation<br>Lines     |     |                   |                       |               |               |       |
| RITICA | AL AREAS   |                                |   |     |                                  |     |                   |                       |               |               |       |
| EASON  | NS OF DELAY                                      |                                |   |     |                                  |     |                   |                       |               |               |       |
|        |  |                                |   |     |                                  |     |                   |                       |               |               |       |

# MAHAN USCTPP, Ph-II, Unit# 3 & 4 (2X800 MW) / Mahan Energen Ltd. (PRIVATE SECTOR)

Village: Bandhaura, Post: Karsualal, Tehsil: Mada, District: Singrauli, Madhya Pradesh – 486886 E-Gen Portal Registration No. (U#3 - 1200003898; U#4 - 1200003899)

|  | per / Implementing Ager<br>than Energen Ltd                                      | -                 | . (U#3 - 1200003898 ; U<br>Mai                             |          |                     | or (BTG) - BHEL (Suppl        | y contract )   |
|--|--|-------------------|--|----------|---------------------|-------------------------------|----------------|
| Unit No.   |  | .OA               | Original Trial Run   | <u>т</u> | Date                | Anticipated / Actual          | Trial Run Date |
| Unit#3   |  |                   | Nov-2026   |          |                     | Dec-2026                      |                |
| Unit#4   | Au   | g-2023            | May-2027   |          |                     | May-2027                      | ,              |
|  | CLEARANCES AND S   | TATIC DAT         | Ā  |          | FINA                | NCIAL DATA (Fig. in I         | Rs. Crore)     |
| FUEL TYPE COAL COMBUSTION                        | Coal Based   |                   |  |          | ORIGINA<br>OF THE F | L ESTIMATED COST<br>PROJECT   | 12439.00       |
| TECHNOLOGY                                       | Ultra-supercritical  |                   |  |          | LATEST              | ESTIMATED COST                | 12439.00       |
| APPROVAL DATE / NTP                              | 20.06.2023   |                   |  | -        |                     | 12.09.00                      |                |
|  |  |                   |  |          | CLOSUR              | FINANCIAL<br>E                | 20.06.2023     |
| EPC/BTG/BoP Contractor<br>Details (Package Wise) | 20-Aug-23: BTG Supply  | & Supervision (   | Ordering to M/s BHEL                                       |          | Y                   | YEAR WISE EXPENDIT            | URE            |
|  |  |                   |  |          |                     | 2022-23                       | 53             |
|  | Long term Power Sale Agr<br>MW (Gross) power to Mad                              |                   | signed for supply of 1320 wer Management Co. Ltd.          |          | 2023-24             |                               | 196            |
|  | ("MPPMCL") for period o  | •                 | •  |          | EXPEND              | ITURE OF June'2024            | 72             |
| COAL LINKAGE/FSA                                 |  |                   | WCL under para b(iv) of the nt will be fulfilled by nearby |          | TOTAL               | EXPENDITURE (upto 31.07.2024) | 977            |
| START UP POWER<br>AGREEMENT                      | Startup power will be arra by MPPMCL in line with                                |                   | mission to be developed                                    |          |                     |                               |                |
|  | Tx Line Developer  | MPPMCL            |  |          |                     |                               |                |
| POWER EVACUATION<br>SYSTEM                       | Tx Line Name<br>Tx Voltage Level   | the bus bar of    | Power Evacuation from f the power station is to by MPPMCL. |          |                     |                               |                |
|  | Configuration of Tx Line (S/C or D/C)  |                   |  |          |                     |                               |                |
| LAND POSSESSION                                  | Total land required for prowhich is already in possessite is 920 Acres including | sion. The total a | rea of the Project   |          |                     |                               |                |
| WATER ALLOCATION                                 | Agreement signed on 18-0<br>River Rihand (Govind Val<br>years                    |                   |  |          |                     |                               |                |
| MOEF CLEARANCE                                   | MoEFCC Clearance for the 10 years as per guideline)                              | e Project obtain  | ed on 27-Jul-23 (Validity of                               |          |                     |                               |                |
| CIVIL AVIATION<br>CLEARANCE                      | NOT APPLICABLE   |                   |  |          |                     |                               |                |
| CPCB CLEARANCE                                   | NOT APPLICABLE   |                   |  |          |                     |                               |                |
| SPCB CLEARANCE                                   | CTE awaited.   |                   |  |          |                     |                               |                |
| FOREST CLEARANCE                                 | NOT APPLICABLE   |                   |  |          |                     |                               |                |

|     | MAHAN USCTPP, Ph-II, Unit# 3 & 4 (2X800 MW) / Mahan Energen Ltd. (PRIVATE SECTOR) |               |             |               |             |     |                                    |                         |                  |                  |                    |                 |                 |
|-----|---|---------------|-------------|---------------|-------------|-----|------------------------------------|-------------------------|------------------|------------------|--------------------|-----------------|-----------------|
|     | UNIT WISE MILESTONE   |               |             |               | <u> </u>    |     |                                    | OF MAIN PLANT PA        |                  |                  |                    | ipply conti     | ract)           |
|     |   | UNI           | T-03        | UNI           | T-04        | CI  | Deskerses                          |                         | ADEA             |                  |                    | UNIT-03         | UNIT-04         |
| Ç1  | MILESTONE   |               | Actual /    |               | Actual /    | 51. | Packages                           |                         | AREA             |                  |                    | %<br>Completion | %<br>Completion |
| Sl. | WIILESTONE  | Original Date | Anticipated | Original Date | Anticipated |     |                                    | CIVIL                   |                  |                  |                    | 16%             | 9%              |
|     |   |               | Date        |               | Date        | 1   | BOILER                             | STRUCTURE               |                  |                  |                    | 16%             | 9%              |
| 1   | COMPLETION OF BOILER FOUNDATION   | Oct-24        | Oct-24      | May-25        | May-25      |     |                                    | PRESSURE PARTS          |                  |                  |                    | 16%             | 9%              |
| 2   | START OF BOILER ERECTION  | Jul-24        | Jul-24      | Jan-25        | Jan-25      |     |                                    | CIVIL                   |                  |                  |                    | 20%             | 11%             |
| 3   | BOILER DRUM LIFTING (if sub-critical unit)  | N             | A           | N             | ÍΑ          | 2   | TG                                 | STRUCTURE               |                  |                  |                    | 20%             | 11%             |
| 4   | BOILER CEILING GIRDER LIFTING<br>COMPLETION                                       | Jan-25        | Jan-25      | Jul-25        | Jul-25      |     |                                    | TG ERECTION             |                  |                  |                    | 20%             | 11%             |
| 5   | CONDENSER ERECTION START  | Jun-25        | Jun-25      | Dec-25        | Dec-25      | 3   | ESP                                | UNDER PROGRESS          |                  |                  |                    | 20%             | 17%             |
| 6   | TG ERECTION START   | Sep-25        | Sep-25      | Mar-26        | Mar-26      |     |                                    | CIVIL WORK              |                  |                  |                    | 10%             | 10%             |
| 7   | HP PIPING ERECTION START  | Aug-25        | Aug-25      | Feb-26        | Feb-26      | 4   | FGD                                | MATERIAL SUPPLY         |                  |                  |                    | 10%             | 10%             |
| 8   | BOILER HYDRO TEST (DRAINABLE)<br>COMPLETION                                       | Feb-26        | Feb-26      | Aug-26        | Aug-26      |     | TGD                                | ERECTION WORK           |                  |                  |                    | 10%             | 10%             |
| 9   | BOILER HYDRO TEST (NON-<br>DRAINABLE) COMPLETION                                  | Apr-26        | Apr-26      | Oct-26        | Oct-26      | L   |                                    |                         |                  |                  |                    |                 |                 |
| 10  | TG BOX UP   | Jul-26        | Jul-26      | Jan-27        | Jan-27      |     |                                    | STAT                    | US OF B          | OPs              |                    |                 |                 |
| 11  | HP PIPING ERECTION COMPLETION   | Apr-26        | Apr-26      | Oct-26        | Oct-26      | S1. | Packages/                          | Vendor/Contracting      | D.: C            | Scheduled        | Anticipated        | UNIT-03         | UNIT-04         |
| 12  | START OF OIL FLUSHING   | Apr-26        | Apr-26      | Oct-26        | Oct-26      | 31. | Linked Project<br>Milestones       | Agency                  | Date of<br>Award | Date of          | /Actual<br>Date of | %               | %               |
| 13  | BOILER LIGHT UP   | Aug-26        | Aug-26      | Feb-27        | Feb-27      |     | winestones                         |                         |                  | Completion       | Completion         | Completion      |                 |
| 14  | CHEMICAL CLEANING COMPLETION  | Jun-26        | Jun-26      | Dec-26        | Dec-26      | 1   | Chimney                            |                         |                  | Jul-26           | Jul-26             | 8%              | 8%              |
| 15  | STEAM BLOWING START   | . 25          | Aug-26      | E 1 27        | Feb-27      |     |                                    |                         | Mar-24           | Jui-26           |                    |                 |                 |
|     |   | Aug-26        |             | Feb-27        |             | 2   | Coal HandlingPlant                 | 1                       | Mar-24           | Jun-26           | Jun-26             | 12%             | 12%             |
|     |   |               |             |               |             |     | Conveyor Package                   |                         | NA               | NA               | NA                 | 12%             | 12%             |
| 16  | STEAM BLOWING COMPLETION  | Sep-26        | Oct-26      | Mar-27        | Mar-27      |     | Wagon Tippler<br>Crusher House Pkg |                         | Mar-24           | Apr-26           | Apr-26             | 12%             | 12%             |
|     |   |               |             |               |             | 3   | Ash Handling                       |                         | Mar-24           | Jun-26           | Jun-26             | 13%             | 13%             |
|     |   |               |             |               |             | 4   | Fuel Oil System                    | 1                       | Jul-24           | Jun-26           | Jun-26             | 15%             | 15%             |
| 17  | ROLLING & SYNC.   | Nov-26        | Dec-26      | May-27        | May-27      | 5   | Cooling Towers                     | Tender Floated, Pre-Bid | Mar-24           | May-26           | May-26             | 12%             | 12%             |
|     |   |               |             |               |             | 6   | CW Pump House and<br>Piping        |                         | May-24           | May-26           | May-26             | 10%             | 10%             |
|     |   |               |             |               |             | 7   | WPT Plant                          | under progress          | Mar-24           | Jan-26           | Jan-26             | 8%              | 8%              |
| 18  | FULL LOAD   | Nov-26        | Dec-26      | May-27        | May-27      | 8   | DM Plant                           | 1                       | Mar-24           | Jan-26           | Jan-26             | 8%              | 8%              |
|     | 100000  | 1107 20       |             | 11My 27       |             | 9   | Compressed Air                     | 1                       | May-24           | Feb-26           | Feb-26             | 10%             | 10%             |
|     |   |               |             |               |             | 10  | System<br>Fire Protection          | 1                       | Jun-24           | May-26           | May-26             | 5%              | 5%              |
| 19  | TRIAL RUN   | Nov. 26       | Dec-26      | May 27        | May-27      | 11  | System<br>Switch Yard              | -                       | Mar-24           | May-26           |                    | 7%              | 7%              |
|     | TRIAL RUN   | Nov-26        |             | May-27        |             | _   | Station Txer                       | -                       | Mar-24           | Jul-26           | May-26<br>Jul-26   | 7%              | 7%              |
|     |   |               |             |               |             |     | Generator Txer                     | 1                       | Mar-24           | Jul-26<br>Jul-26 | Jul-26<br>Jul-26   | 7%              | 7%              |
| 20  | COD   |               |             |               |             |     | Unit Txer                          | ]                       | May-24           | Mar-26           | Mar-26             | 7%              | 7%              |
| ~   | COD   | Dec-26        | Jan-27      | Jun-27        | Jun-27      | 15  | Railway Siding                     |                         | NA               | NA               | NA                 | 0%              | 0%              |
|     |   |               |             |               |             | 16  | Power evacuation                   |                         |                  | NA               |                    |                 |                 |
|     | RITICAL ISSUES  |               |             |               |             |     |                                    |                         |                  |                  |                    |                 |                 |
|     | EASONS OF DELAY   |               |             |               |             |     |                                    |                         |                  |                  |                    |                 |                 |

YELAHANKA COMBINED CYCLE PP (YCCPP), Unit# 1 (1x370 MW) / KPCL (STATE SECTOR )
Yelahanka Combined Cycle Power Plant (YCCPP), Doddballapura Road, Bengaluru (Karnataka)-560 064
E-Gen Portal Registration No. (U#1 -1200002031)

| Project Developer           | / Implementing Agency -                                  | Main Pla  | lant Vendor - BHEL (EPC Contract) |         |                        |                |  |  |
|-----------------------------|--|---|-----------------------------------|---------|------------------------|----------------|--|--|
| Unit No.                    | Lo   | OA  | Original Trial Run                | Date    | Anticipated / Actual   | Trial Run Date |  |  |
| Unit#1                      | Nov  | -2015   | Feb-2018                          |         | Aug2024                | 1              |  |  |
|                             | CLEARANCES AND ST  | TATIC DAT   | A                                 | FINA    | ANCIAL DATA (Fig. in l | Rs. Crore)     |  |  |
| FUEL TYPE                   | RLNG (Regasified Liquifie                                | d Natural Gas)  |                                   | ORIGIN  | 1571.18                |                |  |  |
| COAL COMBUSTION TECHNOLOGY  | NOT APPLICABLE   |   |                                   |         | PROJECT                |                |  |  |
| APPROVAL DATE / NTP         | Approval Date: Governmen Bengaluru dated:05.07.201       |   | a Order No. EN78PPC2010           |         | F FINANCIAL            | 2055.23        |  |  |
| EPC/BTG/BoP Contractor      | EPC Contractor: M/s BHEI                                 |   |                                   | CLOSUI  |                        | 31.03.2021     |  |  |
| Details (Package Wise)      | LOA Date:03.11.2015                                      |   |                                   |         | YEAR WISE EXPENDIT     | TURE           |  |  |
| PPA                         | Under Process  |   |                                   |         | 2015-16                | 4.87           |  |  |
| COAL LINEACE ES A           | NOT ADDITION DI E  |   |                                   | 2016-17 | 152.89                 |                |  |  |
| COAL LINKAGE/FSA            | NOT APPLICABLE   |   |                                   | 2017-18 | 1050.00                |                |  |  |
| START UP POWER              | 20000 KVA on HT basis vi                                 |   |                                   | 140.93  |                        |                |  |  |
| AGREEMENT                   | N/SEE(O)/AEE-2/18-19/24                                  | 7.11.2018   |                                   | 2019-20 |                        |                |  |  |
|                             | Tx Line Developer  | KPTCL   |                                   |         | 2020-21                | 219.28         |  |  |
| POWER EVACUATION<br>SYSTEM  | Tx Line Name<br>Tx Voltage Level                         | 3 nos. of 220   | kV lines are ready (Dec-          |         | 2021-22                | 263.80         |  |  |
| SISIEW                      |  | 2018) for the   | power evacuation                  |         | 2022-23                | 167.74         |  |  |
|                             |  |   |                                   |         | 2023-24                | 153.27         |  |  |
|                             |  |   |                                   | EXPE    | NDITURE OF Apr'2024    | 1.62           |  |  |
|                             | Configuration of Tx Line                                 |   |                                   |         | NDITURE OF May'2024    | 3.11           |  |  |
|                             | (S/C or D/C)   |   |                                   | EXPEN   | IDITURE OF June'2024   | NA             |  |  |
|                             |  |   |                                   | TOTAI   | EXPENDITURE (upto      |                |  |  |
| LAND POSSESSION             |  | rated from 1996<br>3 due to High of<br>YCCPP is estab | olished in the same plant by      |         | 31.07.2024)            | 2466.89        |  |  |
| WATER ALLOCATION            | 15 MLD Tertiary treated pla<br>YCCP Plant                | ant at JAKKUI   | R is supplying water to           |         |                        |                |  |  |
| MOEF CLEARANCE              | Approval No : State Level 6<br>authority(SEIAA) no SEIA. |   |                                   |         |                        |                |  |  |
| CIVIL AVIATION<br>CLEARANCE | Approval no : AAI /KIA/A'                                | ГМ/NOC/488-   | 92 DATED 5/5/2015                 |         |                        |                |  |  |
| CPCB CLEARANCE              | NOT APPLICABLE   |   |                                   |         |                        |                |  |  |
| SPCB CLEARANCE              | Approval No : KSPCB/CFF<br>02/11/2015                    | E/CEO/KPCL/   | 2015-16/H1033 DATED               |         |                        |                |  |  |
| FOREST CLEARANCE            | Letter No: SEIAA 20 IND 2                                | 2014 dated 01.  | 09.2015                           |         |                        |                |  |  |

|     | Υ                      | ELAHANKA CON                     | IBINED CYCLE PE             | P (YCCPP), Unit#             | 1 (1 | .x370 MW) /                                  | KPCL (STATE SECTOR)                             |                          |                                    |  | J7-202 <del>4</del>  |
|-----|------------------------|----------------------------------|-----------------------------|------------------------------|------|--|---|--------------------------|------------------------------------|--|----------------------|
|     | UNIT                   | WISE MILESTONE                   | S ( ANTICIPATED /           | ACTUAL)                      |      | STATUS OI                                    | F MAIN PLANT PACKAGE (I                         | BTG): B                  | HEL                                |  |                      |
| G1  |                        | AUL EGEOVE                       |                             | T-01<br>+ST)                 | S1.  | Packages                                     | AREA  |                          |                                    | UNIT-01<br>(GT+ST)                           | )                    |
| S1. |                        | MILESTONE                        |                             | Anticipated / Actual Date of |      |  |   |                          | Ġ                                  | % Complet                                    | ion                  |
|     |                        |                                  | Original Date of Completion | Completion                   |      |  | CIVIL   |                          |                                    | 100%   |                      |
|     |                        |                                  |                             |                              | 1    | BOILER                                       | STRUCTURE                                       |                          |                                    | 99%  |                      |
| 1   | COMPLETION             | OF BOILER FOUNDATION             | 30.06.2016                  | 14.11.2016                   |      |  | PRESSURE PARTS                                  |                          |                                    | 99%  |                      |
| 2   | START OF BO            | ILER ERECTION                    | 01.07.2016                  | 09.11.2016                   |      |  | CIVIL   |                          |                                    | 100%   |                      |
| 3   | BOILED DRIE            | M LIFTING (if sub-critical unit) | 10.03.2017                  | 07.04.2017                   | 2    | Gas T/ TG                                    | STRUCTURE                                       |                          |                                    | 99%  |                      |
|     | BOILLIN BRO            | 12 En Th'e (it sue childu unit)  | 10.03.2017                  | 07.01.2017                   |      |  | TG ERECTION                                     |                          |                                    | 99%  |                      |
| 4   |                        | ING GIRDER LIFTING               | 30.11.2016                  | 21.12.2016                   | 3    | ESP  | Not Applicable                                  |                          | N                                  | Not Applica                                  | ıble                 |
|     | COMPLETION             | Ī                                | 30.11.2010                  | 21.12.2010                   |      |  | CIVIL WORK                                      |                          |                                    |  |                      |
| _   | CONDENSED              | ERECTION START                   | 14.08.2017                  | Nov-17                       | 1    | FGD  | MATERIAL SUPPLY                                 |                          |                                    | Jot Annline                                  | hla                  |
| 3   |                        |                                  | 14.08.2017                  | NOV-1 /                      | 4    | rgb  | ERECTION WORK                                   |                          | Not Applicable                     |  |                      |
| 6   | TG ERECTION            | START                            | -                           | -                            |      | •  | STATUS OF 1                                     | BOPs                     |                                    |  |                      |
| 7   | HP PIPING ER           | ECTION START                     |                             | Sep-17                       | S1.  | Packages/<br>Linked Project<br>Milestones    | Vendor/Contracting Agency<br>(EPC- BHEL)        | Date of<br>Award         | Scheduled<br>Date of<br>Completion | Anticipated/A<br>ctual Date of<br>Completion | UNIT-01 % Completion |
| 8   | BOILER HYD             | RO TEST (DRAINABLE)              | 30.06.2017                  | 27.11.2017                   | 1    | Chimney                                      | M/s BHEL (Mech.)<br>M/s BJCL (Civil)            | Nov, 2015<br>18.08.2016  | 14.10.2017                         | 06.04.2017<br>10.11.2016                     | 100%<br>100%         |
| 9   | BOILER HYD             | RO TEST (NON-DRAINABLE)          | 30.06.2017                  | 27.11.2017                   | 2    | Coal Handling Plant                          | NA  | NA                       | NA                                 | NA   | NA                   |
|     |                        |                                  |                             |                              | 3    | Ash Handling Plant                           | NA  | NA                       | NA                                 | NA   | NA                   |
| 10  | TG BOX UP              | ST                               | 30.09.2017                  | Feb, 2021                    | 4    | Fuel Oil System                              | NA  | NA                       | NA                                 | NA   | NA                   |
|     |                        | GT                               | 30.09.2017                  | Sept, 2021                   | 5    | Cooling Towers                               | M/s BHEL/ Paharpur (Mech.)                      | 09.11.2015               | 09.02.2018                         | 31.12.2021                                   | 100%                 |
| 11  | HP PIPING ER           | ECTION COMPLETION                | -                           | Nov-21                       |      | CW Pump house                                | M/s BHEL/ BJCL (Civil)  M/s BHEL (Mech.)        | 05.01.2017<br>09.11.2015 | 09.05.2018                         | 31.03.2021<br>11.07.2020                     | 100%                 |
| 12  | START OF<br>OILFLUSHIN | ST                               | 30.09.2017                  | Dec, 2020                    |      | e w rump nouse                               | M/s BHEL/BJCL (Civil)                           | 02.11.2016               | -                                  | 30.11.2020                                   | 100%                 |
|     | G                      | GT                               | 09.10.2017                  | 29.08.2018                   | 7    | WPT Plant                                    | NA  | NA                       | NA                                 | NA   | NA                   |
| 13  | BOILER LIGH            | T UP                             | NA                          | NA                           | 8    | DM Plant                                     | M/s BHEL/GE (Mech.)<br>M/s BHEL/BJCL (Civil)    | 09.11.2015<br>06.02.2017 | 09.05.2018                         | 06.02.2021<br>31.03.2017                     | 100%<br>100%         |
| 14  | CHEMICAL C             | LEANING COMPLETION               | 02.11.2017                  |                              | 9    | Compressed Air System                        | M/s BHEL/ELGI (Mech.)<br>M/s BHEL/BJCL (Civil)  | Nov,2015<br>10.03.2018   | 17.08.2017                         | 16.05.2019<br>31.10.2019                     | 100%<br>100%         |
| 15  | STEAM BLOV             | /ING START                       | 01.12.2017                  |                              | 10   | Fire Protection System                       | M/s BHEL (Mech.)<br>M/s BHEL/BJCL (Civil)       | 09.11.2015<br>20.11.2020 | 09.05.2018                         | 15.07.2021<br>30.04.2021                     | 100%<br>100%         |
| 16  | STEAM BLOV             | VING COMPLETION                  | 15.12.2017                  |                              | 11   | Switch Yard                                  | M/s BHEL-TBG (Elect.)<br>M/s BHEL (TBG) (Civil) | 03.01.2015<br>17.04.2017 | 04.04.2018                         | 19.01.2019<br>05.11.2018                     | 100%<br>100%         |
| 17  | ROLLING & S            | YNC.                             | 16.12.2017                  |                              | 12   | Station Transformers  Generator Transformers | M/s BHEL/BJCL (Civil)  M/s BHEL PSSR            | 10.04.2017<br>03.11.2015 | 04.04.2018                         | 31.03.2020<br>21.01.19-GT                    | 100%                 |
| 18  | FULL LOAD              |                                  | 17.12.2017                  |                              | -    | Unit Transformers                            | M/s BHEL PSSR (Elect.)                          | 03.01.2015               | 04.04.2018                         | 23.12.19-ST<br>21.01.2019- ST                | 100%                 |
| 19  | TRIAL RUN              |                                  | 07.02.2018                  | Aug24                        | 15   | Railway Siding                               | M/s BHEL/BJCL (Civil) NA                        | 10.04.2017<br>NA         | -<br>NA                            | 31.03.2020<br>NA                             | NA                   |
| 20  | COD                    |                                  | 01.03.2018                  | Aug-24                       | 16   | Power Evacuation Lines                       | KPTCL   | 21.12.2017               | System ready                       | 28.12.2018                                   | 95%                  |

Project is ready. Commissioning is pending due to non-availability of Gas from M/s GAIL.

# REASONS OF DELAY

Non-mobilization of required man power & prioritization of works by M/s BHEL (EPC contractor).

# UPPUR STPP, Unit# 1 & 2 (2x800 MW) / TANGEDCO (STATE SECTOR)

Uppur STPP, Ramnad District - 623503, Tamil Nadu E-Gen Portal Registration No. (U#1 - NA; U#2 - NA)

| Project Developer / In                           | nplementing Agency - TA                                  | Ma   |  |         | dor - M/s BHEL                     |   |                |  |  |  |  |
|--|--|--|--|---------|------------------------------------|---|----------------|--|--|--|--|
| Unit No.   | L  | OA   | Original Trial Run                           | Da      | ite                                | Anticipated / Actual                      | Trial Run Date |  |  |  |  |
| Unit#1   | F.1.   | 2016   | C  |         |                                    | On Hold                                   |                |  |  |  |  |
| Unit#2   | Feb  | -2016  |  |         |                                    | On Hold                                   |                |  |  |  |  |
|  | CLEARANCES AND ST  | TATIC DAT  | A  |         | FINANCIAL DATA (Fig. in Rs. Crore) |   |                |  |  |  |  |
| FUEL TYPE  | Coal, Indigenous & Import                                | ed (MMTC)  |  |         | ORIGINA                            | 12778.00                                  |                |  |  |  |  |
| COAL COMBUSTION TECHNOLOGY                       | Supercritical  |  |  |         | OF THE P                           | PROJECT ESTIMATED COST                    | Not            |  |  |  |  |
| APPROVAL DATE / NTP                              | BGT-SE/E/T & H(P)/OT N<br>SE/E/T&H(P)/OT.No.1/20/<br>17. |  |  | I       | DATE OF                            | Applicable Financial tie up with M/s. PFC |                |  |  |  |  |
| EPC/BTG/BoP Contractor<br>Details (Package Wise) | Order placed on M/s. BHE                                 | L on 27/02/201                                     | 6.   |         |                                    | YEAR WISE EXPENDIT                        | TURE           |  |  |  |  |
| PPA  | NOT APPLICABLE. State                                    | sector project.                                    |  |         |                                    | 2016-17                                   | 16.74          |  |  |  |  |
|  | Allocated Mine - SCCL (A from mine - 700 km (non p       | _  | coal 3.942 MTPA; Distance                    |         |                                    | 2017-18                                   | 226.62         |  |  |  |  |
| COAL LINKAGE/FSA                                 | Also, MoU entered with M 5.02 MTPA on dated 25-05        | /s. MMTC for                                       | supply of imported coal of                   | 2018-19 |                                    |   | 1594.15        |  |  |  |  |
| START UP POWER                                   |  |  |  |         |                                    | 2019-20                                   | 924.32         |  |  |  |  |
| AGREEMENT  | 1/230K V/LL K araigudi Feeder                            |  |  |         |                                    | 2020-21                                   | 366.61         |  |  |  |  |
|  | Tx Line Developer  | TANTransco   |  |         |                                    | 2021-22                                   |                |  |  |  |  |
| POWER EVACUATION<br>SYSTEM                       | Tx Line Name<br>Tx Voltage Level                         |  | ppur SCTPP – Virudhunagar, 765 KV,           |         |                                    | 2022-23                                   |                |  |  |  |  |
|  |  | D/C line   |  |         | EXPENI                             | DITURE OF June'2024                       | -              |  |  |  |  |
|  |  |  |  |         | TOTAL                              | EXPENDITURE (upto                         | 3319.62        |  |  |  |  |
|  | Configuration of Tx Line (S/C or D/C)                    |  |  | -       |                                    | 31.07.2024)                               | 3317.02        |  |  |  |  |
| LAND POSSESSION                                  | per the NGT(SZ), Chennai                                 | BHEL & M/S I<br>Judgment date<br>Z) filed in the d | L&T has been suspended as                    |         |                                    |   |                |  |  |  |  |
| WATER ALLOCATION                                 | Tamil Nadu Maritime Boar<br>for drawal and discharge of  |  | OC for construction of Jetty vide 27.4.2015. |         |                                    |   |                |  |  |  |  |
| MOEF CLEARANCE                                   | Ministry of Environment at above Project on 18.05.201    |  | ccorded clearance for the                    |         |                                    |   |                |  |  |  |  |
| CIVIL AVIATION<br>CLEARANCE                      | Clearance expired on 21.11 21.11.2024.                   | .2019. Clearan                                     | ce further extended upto                     |         |                                    |   |                |  |  |  |  |
| CPCB CLEARANCE                                   | NOT APPLICABLE. State                                    | sector project.                                    |  |         |                                    |   |                |  |  |  |  |
| SPCB CLEARANCE                                   | CRZ committee of MOEF MOM published in web sit           |  | the Project on 28.1.16 and                   |         |                                    |   |                |  |  |  |  |
| FOREST CLEARANCE                                 | NOT APPLICABLE   |  |  |         |                                    |   |                |  |  |  |  |

<sup>\*</sup> NOTE: The EPC contracts awarded to M/s. BHEL & M/S L&T have been suspended as per the NGT(SZ), Chennai Judgment dated 17.03.2021, deliveredon Appeal No. 144 of 2016 (SZ) filed in the designated court for a period of six months or until further orders. Considering the issues like NGT order, land litigation, local fishermen litigation and BOP package retendering works, TANGEDCO Board vide on 29.04.2021 has accorded approval to shift the existing 2x800 MW Uppur STPP to Udangudi site as 2x800MW Udangudi Stage-III and consider Uppur as a fresh project once all the legal issues in NGT and other places are settled and to approach GOTN for administrative approval. Energy Secretary/GoTN has been addressed vide Letter dtd 10.05.2021 for approval of the above. Further, as informed by TANGEDCO, CMD has accorded approval on 27.08.2021 to form a high committee comprising of three directors and four Chief Engineers to re-study the shifting of UPPUR Project. High Level Committee have furnished report on 22.10.2021 and recommended that the 2X800 MW Uppur Project shall be executed at Uppur itself. TANGEDCO Board in its 102nd meeting held on 29.10.2021 has directed to obtain opinion from the Consultant M/s. Ernst & Young regarding the viability and feasibility of this project and the same is in progress.

|     | Status as on 31-07-2024 UPPUR STPP, Unit# 1 & 2 (2x800 MW) / TANGEDCO (STATE SECTOR) |               |                         |               |                         |            |     |  |   |                  |                      |                                   |                             |                             |
|-----|--|---------------|-------------------------|---------------|-------------------------|------------|-----|--|---|------------------|----------------------|-----------------------------------|-----------------------------|-----------------------------|
|     | UNIT WISE MILESTONES   |               |                         |               |                         |            | Ť   |  | TUS OF MAIN I   |                  |                      | AGE (I                            | BTG)                        |                             |
|     |  |               | T-01                    |               | T-02                    |            | Ī   |  |   |                  |                      | T-01                              |                             | T-02                        |
|     |  |               | 1 . 1/                  |               | 1 . 1/                  | S          | Sl. | Packages                               | AREA  |                  | % Con                | npletion                          | % Con                       | npletion                    |
| S1. | MILESTONE  | Original Date | Actual /<br>Anticipated | Original Date | Actual /<br>Anticipated |            |     |  | CIVIL   |                  | 23                   | 3%                                | 30%                         |                             |
|     |  |               | Date                    |               | Date                    |            | 1   | BOILER                                 | STRUCTURE   |                  | 55%                  |                                   | 31                          | 1%                          |
|     | COMPLETION OF BOILER   |               |                         |               |                         |            |     |  | PRESSURE PARTS  |                  | 1                    | %                                 | 0                           | %                           |
| 1   | FOUNDATION   |               |                         |               |                         |            |     |  | CIVIL   |                  |                      |                                   |                             |                             |
| 2   | START OF BOILER ERECTION   | 03.06.18      |                         | 03.06.18      |                         | 1          | 2   | TG                                     | STRUCTURE   |                  | ,                    | Works yet                         | to commer                   | nce                         |
|     | BOILER DRUM LIFTING (if sub-critical   |               |                         | 27.1          |                         |            |     |  | TG ERECTION   |                  | 1                    |                                   |                             |                             |
| 3   | unit)  | NA            |                         | NA            |                         | 3          | 3   | ESP                                    | UNDER PROGRESS  |                  | 14                   | 4%                                | 6                           | %                           |
|     | BOILER CEILING GIRDER LIFTING  |               |                         |               |                         |            |     |  | CIVIL WORK  |                  |                      |                                   | •                           |                             |
| 4   | COMPLETION   |               |                         |               |                         |            | 4   | ECD                                    | MATERIAL SUPPLY   |                  |                      |                                   | 1                           | 1 1                         |
| 5   | CONDENSER ERECTION START   | 23.01.20      |                         | 23.01.20      |                         |            | 4   | FGD                                    | EDECTION WODY   |                  | Contract is yet to   |                                   | et to be aw                 | arded                       |
| 6   | TG ERECTION START  | 19.03.20      |                         | 19.03.20      |                         |            |     |  | ERECTION WORK   |                  |                      |                                   |                             |                             |
| 7   | HP PIPING ERECTION START   | 19.12.19      |                         | 19.12.19      |                         |            |     |  | STATU   | BOPs             |                      |                                   |                             |                             |
| 8   | BOILER HYDRO TEST (DRAINABLE)<br>COMPLETION  | 22.07.19      |                         | 22.07.19      |                         | S          | S1. | Packages/<br>Linked Project            | Vendor/Contracting  | Date of<br>Award | Scheduled<br>Date of | Anticipated<br>/Actual<br>Date of | UNIT-01                     | UNIT-02<br>%                |
| 9   | BOILER HYDRO TEST (NON-<br>DRAINABLE) COMPLETION                                     | 20.01.20      | Project is on hold.     | 20.01.20      | Project is on           |            | 1   | Milestones                             | Agency  | Awaiu            | Completion           | Completion                        | Completion                  | Completion                  |
| 10  | TG BOX UP  | 13.02.20      |                         | 13.02.20      | hold.                   |            |     |  |   |                  |                      |                                   |                             |                             |
| 11  | HP PIPING ERECTION COMPLETION  | 19.12.19      |                         | 19.12.19      |                         |            | 2   | Coal Handling Plant                    |   |                  |                      |                                   |                             |                             |
| 12  | START OF OILFLUSHING   | 19.03.20      |                         | 19.03.20      |                         |            |     |  |   |                  |                      |                                   |                             |                             |
| 13  | BOILER LIGHT UP  | 12.02.20      |                         | 12.02.20      |                         |            | 3   | Ash Handling Plant                     |   |                  |                      |                                   |                             |                             |
| 14  | CHEMICAL CLEANING COMPLETION   | 19.03.20      |                         | 19.03.20      |                         |            | 4   | Fuel Oil System                        |   |                  |                      |                                   |                             |                             |
| 15  | STEAM BLOWING START  | 16.04.20      |                         | 16.04.20      |                         |            | 5   | Cooling Towers                         |   |                  |                      |                                   | T1                          | T1                          |
|     |  |               |                         |               |                         |            | 6   | CW Pump house                          |   |                  |                      |                                   | The contract<br>was short   | The contract<br>was short   |
| 16  | STEAM BLOWING COMPLETION   | 16.04.20      |                         | 16.04.20      |                         | -          | 7   | WPT Plant                              | The contract was short closed due<br>to huge price escalation sought by |                  |                      |                                   | closed due to<br>huge price | closed due to<br>huge price |
|     |  |               |                         |               |                         |            | 8   | DM Plant                               | M/s RIL.  |                  |                      |                                   | escalation<br>sought by M/s | escalation<br>sought by M/s |
| 17  | ROLLING & SYNC.  | 06.05.20      |                         | 06.05.20      |                         |            | 9   | Compressed Air System                  |   |                  |                      |                                   | RIL.                        | RIL.                        |
|     |  |               |                         |               |                         | 1          | 10  | Fire Protection System                 |   |                  |                      |                                   |                             |                             |
| 18  | FULL LOAD  | 03.06.20      |                         | 03.06.20      |                         | 1          | 11  | Switch Yard                            |   |                  |                      |                                   |                             |                             |
| 19  | TRIAL RUN  | Nov-20        |                         | Nov-20        |                         | <b> </b> - | +   | Station Transformers                   |   |                  |                      |                                   |                             |                             |
| -   |  |               |                         |               |                         | l          | -   | Unit Transformers                      |   |                  |                      |                                   |                             |                             |
| 20  | COD  | 01.02.21      |                         | 01.02.21      |                         | <b> </b> - | +   | Railway Siding  Power Evacuation Lines |   |                  |                      |                                   |                             |                             |

The EPC contracts awarded to M/s. BHEL & M/S L&T have been suspended as per the NGT(SZ), Chennai Judgment dated 17.03.2021, delivered on Appeal No. 144 of 2016(SZ) filed in the designated court for a period of six months or until further orders. Considering the issues like NGT order, land litigation, local fishermen litigation and BOP package retendering works, TANGEDCO Board on 29.04.2021 has accorded approval to shift the existing 2x800 MW Uppur STPP to Udangudi site as 2x800MW Udangudi Stage-III and consider Uppur as a fresh project once all the legal issues in NGT and other places are settled and to approach GOTN for administrative approval. Energy Secretary/GoTN has been addressed vide Letter dtd 10.05.2021 for approval of the above.

Against NGT order, SLP was filed by TANGEDCO in Supreme court on 16.04.2021. Honourable Supreme court of India granted stay on the impugned judgment passed by NGT on 01.07.2021. In the review meeting of energy department chaired by Hon'ble Chief Minister on 22.07.2021, it was requested to restudy the shifting of Uppur project considering the energy demand. CMD has accorded approval on 27.08.2021 to form a high level committee comprising of three Directors and four Chief Engineers to restudy the shifthing of Uppur Project. TANGEDCO Board in its 102nd meeting held on 29.10.2021 has directed to obtain opinion from the Consultant M/s Ernst & Young regarding the viability and feasibility of this project and the same is in prgress. Consultant has furnished the report on 07.01.22 and recommended "To develop the Project at Uppur site itself" and the same was placed before the TANGEDCO Board in its 105th meeting held on 19.01.2022. The Board Directed to place the subject in the next Board meeting for deliberations. In the next Board meeting held on 19.3.2022, the Board directed to restudy the viability & feasibility of consultant's report submitted.

Strategic Consultant M/s.E&Y report and recommendations were placed before the TANGEDCO The Board after deliberations directed that the subject shall be referred to the Aravind Subramanian Committee(EAC to Hon'ble CM of TN) seeking their expert views. As instructed by Board, all the relevant data's are furnished to the committee. Committee report is awaited.

| DEA                                     | SONS | $\mathbf{OF}$ | DEI  | ۸V   |
|---|------|---------------|------|------|
| $\mathbf{N} \mathbf{P}_{i} \mathcal{A}$ |      | <b>\</b> /    | 1764 | /A I |

| NGT | Ordered | to | eton | tha | work |  |
|-----|---------|----|------|-----|------|--|
|     |         |    |      |     |      |  |

Status as on 31-07-2024

# ENNORE EXPANSION TPP, Unit# 1 (1x660 MW) / TANGEDCO (STATE SECTOR)

Ernavur Village, Tiruvottiyur Taluk, Thiruvallur District, Tamil Nadu E-Gen Portal Registration No. (U#1 - 1200003521)

|  |   |                                      | tration No. (0#1 - 1200  |   | •                     |                               |                  |  |
|--|---|--------------------------------------|--------------------------|---|-----------------------|-------------------------------|------------------|--|
| Project Developer / Implementing Agency - TANGEDCO |   | Main Plant Vendor - M/s BGRESL (EPC) |                          |   |                       |                               |                  |  |
| Unit No.   | I   | LOA                                  | Original Trial Run Date  |   | ate                   | Anticipated / Actual          | Trial Run Date   |  |
| Unit#1   | 14.0  | 07.2014                              |                          |   |                       |                               |                  |  |
|  | CLEARANCES AND S  | STATIC DAT                           | A                        |   |                       | NCIAL DATA (Fig. in I         | Rs. Crore)       |  |
| FUEL TYPE  | Coal, Indigenous & Impor  | ted                                  |                          |   |                       | L ESTIMATED COST              | 4956             |  |
| COAL COMBUSTION<br>TECHNOLOGY                      | Super Critical  |                                      |                          |   | OF THE P              | ESTIMATED COST                | 7093             |  |
| APPROVAL DATE / NTP                                | 14.07.2014  |                                      |                          |   |                       | FINANCIAL                     |                  |  |
| EPC/BTG/BoP Contractor<br>Details (Package Wise)   | M/s BGRESL (EPC) wef June-2022 ( earlier this project was awarded to M/s Lanco Infra)   |                                      |                          |   | YEAR WISE EXPENDITURE |                               |                  |  |
| PPA  | Entire power is to be utilized by TANGEDCO  |                                      |                          |   |                       | 2014-15                       | 239.70           |  |
|  | Long term coal linkage submitted to Ministry of coal on 08.11.2006 and pending with Ministry of coal. MoU with MMTC on 23.07.2012 for supplying of 2.00 MTPA Imported coal. |                                      |                          |   |                       | 2015-16                       | 288.91           |  |
| COAL LINKAGE/FSA                                   |   |                                      |                          |   |                       | 2016-17                       |                  |  |
| START UP POWER                                     |   |                                      |                          |   |                       | 2017-18                       |                  |  |
| AGREEMENT  |   |                                      |                          |   |                       | 2018-19                       |                  |  |
|  | Tx Line Developer   | TANTRANSO                            | CO                       |   |                       | 2019-20                       |                  |  |
| POWER EVACUATION<br>SYSTEM                         | Tx Line Name Tx Voltage Level   |                                      |                          |   |                       | 2020-21                       |                  |  |
| STOTEM   | Configuration of Tx Line (S/C or D/C)   | _                                    |                          |   | TOTAL                 | EXPENDITURE (upto 31.07.2024) | 821.90<br>crores |  |
| LAND POSSESSION                                    | Own land within the premi   | ses of existing I                    | ETPS                     |   |                       |                               |                  |  |
| WATER ALLOCATION                                   |   |                                      |                          |   |                       |                               |                  |  |
| MOEF CLEARANCE                                     | MoEF clearance Lr J-1301  | 1/62/2008-IA.II                      | (T) dated 18.09.2014     |   |                       |                               |                  |  |
| CIVIL AVIATION<br>CLEARANCE                        | Airport Authority's Letter 16 <sup>th</sup> May 2008.   | No AAI/20012/                        | 1468/2007-ARI(NOC),Dated | d |                       |                               |                  |  |
| CPCB CLEARANCE                                     |   |                                      |                          | 4 |                       |                               |                  |  |
| SPCB CLEARANCE                                     | Tamil Nadu Government   | GO (4D) No 01                        | Dated 15.11.2012.        |   |                       |                               |                  |  |
| FOREST CLEARANCE                                   |   |                                      |                          |   |                       |                               |                  |  |

# **ABBREVIATIONS**

| Abbreviation   | Description                                       |            |   |
|----------------|---|------------|---|
| AHP            | Ash Handling Plant                                | NDCT       | Natural Draft Cooling Tower   |
| ATT            | Air Tightness Test                                | NLTH       | Non Linear Time History   |
| BFP            | Boiler Feed Pump                                  | PAF        | Project Affected Families   |
| BLU            | Boiler Light Up                                   | PA Fan     | Primary Air Fan   |
| BOP            | Balance of Plant                                  | PPA        | Power Purchase Agreement  |
| BTG            | Boiler Turbine Generator                          | ROW        | Right Of Way  |
| C&I            | Control & Instrumentation                         | SBO        | Steam Blowing Operation   |
| CHP            | Coal Handling Plant                               | SCAPH      | Steam Coil Air Pre Heater   |
| COD            | Commercial Operation Date                         | SCR        | Selective Catalytic Reduction                                       |
| CRH            | Cold Re Heat                                      | SG         | Steam Generator   |
| CST            | Condensate Storage Tank                           | ST         | Station Transformer   |
| CW System      | Circulating Water System                          | Synch.     | Synchronization   |
| DM Water Plant | De Mineralization Water Plant                     | TDBFP      | Turbine Driven Boiler Feed Pump                                     |
| EOT            | Electric Overhead Travelling                      | TG         | Turbine Generator   |
| EPC            | Erection Procurement & Commissioning              | WT         | Wagon Tippler   |
| ESP            | Electro Static Precipitator                       | UT         | Unit Transformer  |
| FD Fan         | Forced Draft Fan                                  | GHP        | Gypsum Handling Plant   |
| FGD            | Flue Gas Desulfurization                          | LHP        | Limestone Handling Plant  |
| FL             | Full Load   | ARV        | Air Release Valve   |
| FO System      | Fuel Oil System                                   | WPT        | Water Pre Treatment   |
| FSA            | Fuel Supply Agreement                             | ETP        | Effluent Treatment Plant  |
| GT             | Generator Transformer                             | CPU/COLTCS | Condensate Polishing Unit/Condenser On Load Tube<br>Cleaning System |
| HCSD           | High Concentrated Slurry Disposal                 |            |   |
| HPT            | High Pressure Turbine                             |            |   |
| HRH            | Hot Re Heat                                       |            |   |
| HT             | Hydraulic Test                                    |            |   |
| ICB            | Imported Coal Based                               |            |   |
| ID Fan         | Induced Draft Fan                                 |            |   |
| IDCT           | Induced Draft Cooling Tower                       |            |   |
| LOA            | Letter of Award                                   |            |   |
| MDBFP          | Motor Driven Boiler Feed Pump                     |            |   |
| MGR            | Merry Go Round                                    |            |   |
| MOEF&CC        | Ministry of Environment, Forests & Climate Change |            |   |