**(As on 30.06.2022)**

**PHYSICAL PROGRESS REPORT - PERFORMA**

**FOR UNDER CONSTRUCTION UNITS**

**SECTOR**: **CENTRAL**/STATE/PRIVATE

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| **NAME OF THE THERMAL POWER PROJECT WITH NO OF UNITS & RESPECTIVE CAPACITY: North Karanpura, 3x660 MW** | | | | | | | | | | |
| **DEVELOPER NAME/ IMPLEMETING AGENCY: NTPC** | | | | | | | | | | |
| **COMPLETE ADDRESS OF TPP: NTPC North Karanpura, Tandwa, Sub division – Simaria, Distt–Chatra – Jharkhand-825321** | | | | | | | | | | |
| **CONTACT DETAILS OF NODAL OFFICER ,NAME, EMAIL, MOBILE NO: Sh V S Dubey, email: vsdubey@ntpc.co.in, contact: 9650041256** | | | | | | | **E-GEN PORTAL REGISTRATION STATUS- YES (U#1 – 1200002613; U#2– 1200002614; U#3 - 1200002615)** | | | |
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| **MAIN PLANT PACKAGE (BTG VENDOR/EPC CONTRACTOR): MAIN VENDOR (ORDER DATE)** | | | | | | | | | | |
| **Sl.** | **Packages** |  | **Vendor/Contracting Agency** | **UNIT** | **Date of Award/ Start date** | **Present Status** | | **% Completion** | **Original Date of Completion** | **Anticipated Date of Completion** |
| 1 | BOILER | CIVIL WORKS | M/s BHEL | UNIT-01 | EPC Award- Feb 2014 | Work in progress | | 98.50% | Dec-18 | FY 21-22 |
| STRUCTURAL WORKS | M/s BHEL | EPC Award- Feb 2014 | Work in progress | | 99.82% |
| PRESSURE PARTS COMPLETION | M/s BHEL | EPC Award- Feb 2014 | Completed | | 100% |
| CIVIL WORKS | M/s BHEL | UNIT-02 | EPC Award- Feb 2014 | Work in progress | | 95.00% | Dec-18 | FY 21-22 |
| STRUCTURAL WORKS | M/s BHEL | EPC Award- Feb 2014 | Work in progress | | 87.00% |
| PRESSURE PARTS COMPLETION | M/s BHEL | EPC Award- Feb 2014 | Work in progress | | 99.79% |
| CIVIL WORKS | M/s BHEL | UNIT-03 | EPC Award- Feb 2014 | Work in progress | | 78.15% | Dec-18 | FY 21-22 |
| STRUCTURAL WORKS | M/s BHEL | EPC Award- Feb 2014 | Work in progress | | 62.00% |
| PRESSURE PARTS COMPLETION | M/s BHEL | EPC Award- Feb 2014 | Work in progress | | 33.00% |
| **BRIEF WRITEUP ABOUT CURRENT STATUS OF BOILER WORKS:Unit#1 Boiler Steam Blowing Completed, Unit#2 Boiler Drainable HT completed. Unit#3 erection works are**  **under progress.** | | | | | | | | | | |
| 2 | TG | CIVIL WORKS | M/s BHEL | UNIT-01 | EPC Award- Feb 2014 | Work in progress | | 97.80% | May-18 | FY 21-22 |
| STRUCTURAL WORKS | M/s BHEL | EPC Award- Feb 2014 | Work in progress | | 99.60% | Oct-18 | FY 21-22 |
| PRESSURE PARTS COMPLETION | M/s BHEL | EPC Award- Feb 2014 | Work in progress | | NA |  |  |
| CIVIL WORKS | M/s BHEL | UNIT-02 | EPC Award- Feb 2014 | Work in progress | | 98.50% | Nov-18 | FY 21-22 |
| STRUCTURAL WORKS | M/s BHEL | EPC Award- Feb 2014 | Work in progress | | 99.20% | Apr-19 | FY 21-22 |
| PRESSURE PARTS COMPLETION | M/s BHEL | EPC Award- Feb 2014 | Work in progress | | NA |  |  |
| CIVIL WORKS | M/s BHEL | UNIT-03 | EPC Award- Feb 2014 | Work in progress | | 94.00% | May-19 | FY 21-22 |
| STRUCTURAL WORKS | M/s BHEL | EPC Award- Feb 2014 | Work in progress | | 93.00% | Oct-19 | FY 21-22 |
| PRESSURE PARTS COMPLETION | M/s BHEL | EPC Award- Feb 2014 | Work in progress | | NA |  |  |
| **BRIEF WRITEUP ABOUT CURRENT STATUS OF TG WORKS:Unit#1 TG Box-up complete, Unit#2 TG erection work is under progress.** | | | | | | | | | | |
| 3 | ESP | PASS STATUS | M/s BHEL | UNIT-01 | EPC Award- Feb 2014 | Work in progress | | 99.85% | Aug-18 | FY 21-22 |
| PASS STATUS | M/s BHEL | UNIT-02 | EPC Award- Feb 2014 | Work in progress | | 94.10% | Feb-19 | FY 22-23 |
| PASS STATUS | M/s BHEL | UNIT-03 | EPC Award- Feb 2014 | Work in progress | | 57.00% | Jun-19 | FY 22-23 |
| **BRIEF WRITEUP ABOUT CURRENT STATUS OF ESP WORKS:Unit#1 - all pass erected. Unit#2 - 5/6 pass erected. Unit#3 – civil and str work are under progress.** | | | | | | | | | | |
| 3A | FGD Plant (AGENCY NAME) | CIVIL WORK | M/s BHEL | UNIT-01 | FGD Award – 31.07.2018 | Work in progress | | 30.25% | Jan-20 | FY 21-22 |
| CIVIL WORK MATERIAL SUPPLY | M/s BHEL | FGD Award – 31.07.2018 | Work in progress | | 28.17% | Jan-20 | FY 21-22 |
| ERECTION WORK MATERIAL SUPPLY | M/s BHEL | FGD Award – 31.07.2018 | Work in progress | | 16.54% | Dec-19 | FY 21-22 |
| ERECTION WORK & COMMON SUPPLY | M/s BHEL | FGD Award – 31.07.2018 | Work in progress | | 6.97% | Jun-20 | FY 22-23 |
| CIVIL WORK | M/s BHEL | UNIT-02 | FGD Award – 31.07.2018 | Work in progress | | **Incl above** |  | FY 21-22 |
| CIVIL WORK MATERIAL SUPPLY | M/s BHEL | FGD Award – 31.07.2018 | Work in progress | | **Incl above** | Dec-19 | FY 21-22 |
| ERECTION WORK MATERIAL SUPPLY | M/s BHEL | FGD Award – 31.07.2018 | Work in progress | | 30.90% | Dec-19 | FY 21-22 |
| ERECTION WORK & COMMON SUPPLY | M/s BHEL | FGD Award – 31.07.2018 | Work in progress | | 0 | May-20 | FY 22-23 |
| CIVIL WORK | M/s BHEL | UNIT-03 | FGD Award – 31.07.2018 | Work in progress | | **Incl above** |  | FY 21-22 |
| CIVIL WORK MATERIAL SUPPLY | M/s BHEL | FGD Award – 31.07.2018 | Work in progress | | **Incl above** | Dec-19 | FY 21-22 |
| ERECTION WORK MATERIAL SUPPLY | M/s BHEL | FGD Award – 31.07.2018 | Work in progress | | 7.68% | Dec-19 | FY 21-22 |
| ERECTION WORK & COMMON SUPPLY | M/s BHEL | FGD Award – 31.07.2018 | Work in progress | | 0 | May-21 | FY 22-23 |
| **BRIEF WRITEUP ABOUT CURRENT STATUS OF FGD WORK: Chimney raft casting complete. Slipform assembly in progress.** | | | | | | | | | | |

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| **STATUS OF BOPs** | | | | | | | |
| **Sl.** | **Packages/ Linked Project Milestones** | **Vendor/Contracting Agency** | **Date of Award/Start date** | **Present Status** | **% Completion** | **Original Date of Completion** | **Actual/Anticipated Date of Completion** |
| 1a | Chimney | Main vendor/ subcontractor | EPC Award- Feb 2014 | Work in progress | 99.80% | Dec-18 | FY 22-23 |
| 1b | Chimney | Main vendor/ subcontractor | EPC Award- Feb 2014 | Work in progress | 82.50% | Jun-19 | FY 22-23 |
| 1c | Chimney | Main vendor/ subcontractor | EPC Award- Feb 2014 | Work in progress | 95.80% | Dec-20 | FY 22-23 |
| 2 | Coal Handling Plant | Main vendor/ subcontractor (Conveyor package) | EPC Award- Feb 2014 | Work in progress | ERECTION (71.61%)  EQUIPMENT ERECTION (42.04%) | UNIT# 1  **10.12.2018** | FY 22-23 |
| Main vendor/ subcontractor(Wagon Tripler | EPC Award- Feb 2014 | NA | - | NA | NA |
| Main vendor/ subcontractor(Stacker Reclaimer) | EPC Award- Feb 2014 | Work in progress | - | UNIT # 1  **09.04.2018** | FY 22-23 |
| 3 | Ash Handling Plant | Main vendor/ subcontractor | EPC Award- Feb 2014 | Work in progress | 69.06% | UNIT # 1  **07.12.2018** | FY 21-22 |
| 4 | Fuel Oil System | Main vendor/ subcontractor | EPC Award- Feb 2014 | NA | - |  | Complete |
| 5 | Cooling Towers (ACC UNIT#1) | Main vendor/ subcontractor | EPC Award- Feb 2014 | Work in progress | 98% | Dec-18 | FY 21-22 |
| 6 | CW Pump house & Piping | Main vendor/ subcontractor | EPC Award- Feb 2014 | NA | - | NA | NA |
| 7 | PT Plant | Main vendor/ subcontractor | EPC Award- Feb 2014 | Work in progress | 79% | Dec-18 | Complete for U#1 |
| 8 | DM Plant | Main vendor/ subcontractor | EPC Award- Feb 2014 | NA | 100% | Dec-18 | Complete |
| 9 | Air Compressor | Main vendor/ subcontractor | EPC Award- Feb 2014 | NA | 100% |  | Complete |
| 10 | Fire Protection System | Main vendor/ subcontractor | EPC Award- Feb 2014 | NA | 100% |  | Complete |
| 11 | Switch Yard | BHEL-TBG/ Arun ConstructionTechnico India Pvt. Ltd.   |  | | --- | | Tribeni ConstructionKarni MataConstruction CompanyHari Construction | | Suresh Techno Electro (India) LLPKarni Mata Construction CompanySinghaniyaAvaidsDubasHBLSwarn TelecomAvaidsDubasHBLSwarn Telecom | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 28.02.2014 | Work in progress | 99.60% | Dec-18 | FY 22-23  Completed for U#1 |
| 12 | Station Transformers | Main vendor/ subcontractor | START DATE | Work in progress | 100% | Mar-18 | Complete |
| 13 | Unit Transformers | Main vendor/ subcontractor | START DATE | Work in progress | 85% | July-18 | FY 22-23 |
| 14 | Railway siding | Main vendor/ subcontractor | START DATE | NA | NA | NA | NA |
| 15 | Power Evacuation | Main vendor/ subcontractor  (External Agency M/S NKTL) | START DATE | Work in progress | 83% |  | FY 22-23 |
| **BRIEF WRITEUP ABOUT CURRENT STATUS OF BOPs WORK:PT DM ready, Fuel Oil System ready, FDPS system ready,** | | | | | | | |

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| **UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED )** | | | | | | | | | | |
| **Sl.** | **MILESTONE** | **UNIT-01** | | | **UNIT-02** | | | **UNIT-03** | | |
| **Original Schedule** | **Revised Schedule** | **Actual/ Anticipated** | **Original Schedule** | **Revised Schedule** | **Actual/ Anticipated** | **Original Schedule** | **Revised Schedule** | **Actual/ Anticipated** |
| 1 | **COMPLETION OF BOILER FOUNDATION** | Complete | | | | | | | | |
| 2 | **START OF BOILER ERECTION** | Aug'2015 | Aug'2015 | Apr'2016(A) | Feb'2016 | Feb'2016 | Jul'2016(A) | Aug'2016 | Aug'2017 | Jun'2017(A) |
| 3 | **BOILER DRUM LIFTING** | N/A | | | | | | | | |
| 4 | **BOILER CEILING GIRDER LIFTING COMPLETION** | Complete | | | | | | | | |
| 5 | **BOILER HYDRO TEST (DRAINABLE) COMPLETION** | Jan'2017 | Oct'2018 | Dec'2018(A) | Jul'2017 | Sep'2019 | Oct'2019(A) | Jan'2018 | Sep'2021 | Nov'2022 |
| 6 | **BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION** | - | - | Jan'2019(A) | - | - | Oct'2019(A) | - | Sep'2021 | Nov’2022 |
| 7 | **BOILER LIGHT UP** | Aug’2017 | Nov’2020 | Dec'2020(A) | Feb’2018 | Sep’2021 | Nov’2022 | Aug’2018 | May’2022 | May’2023 |
| 8 | **CHEMICAL CLEANING COMPLETION** | - | - | - | - | - | - | - | - | - |
| 9 | **STEAM BLOWING START** | - | - | - | - | - | - | - | - | - |
| 10 | **STEAM BLOWING COMPLETION** | Oct'2017 | Feb'2021 | Feb'2021(A) | Apr'18 | Nov'2021 | Jan'2023 | Oct'2018 | Jul'2022 | Jul'2023 |
| 11 | **HP PIPING ERECTION START** | - | - | - | - | - | - | - | - | - |
| 12 | **HP PIPING ERECTION COMPLETION** | - | - | - | - | - | - | - | - | - |
| 13 | **CONDENSER ERECTION START** | May'2016 | Jul'2018 | Nov 2018(A) | Nov'2016 | Aug'2019 | Jan'2020(A) | May'2017 | Sep'2021 | May'2022 |
| 14 | **TG ERECTION START** | Jul'2016 | Jul'2017 | Nov'2017(A) | Jan'2017 | Jan'2018 | Jan'2018(A) | Jul'2017 | Apr'2021 | May'2022 |
| 15 | **TG BOX UP** | Jun'2017 | Sep'2019 | Aug'2019(A) | Dec'2017 | Jun'2021 | Jan'2022(A) | Jun'2018 | Oct'2021 | Dec'2022 |
| 16 | **START OF OIL FLUSHING** | - | - | - | - | - | - | - | - | - |
| 17 | **ROLLING & SYNC.** | Dec'2017 | May'2021 | Mar'2022 | Jun'2018 | Jan'2022 | May'2023 | Dec'2018 | Aug'2022 | Dec'2023 |
| 18 | **FULL LOAD** | Feb'2018 | Sep'2021 | Apr’2022 | Aug'2018 | Mar'2022 | May'2023 | Feb'2019 | Sep'2022 | Jan'2024 |
| 19 | **TRIAL RUN** | Jun'2018 | Oct'2021 | Apr'2022 | Dec'2018 | Apr'2022 | May'2023 | Jun'2019 | Oct'2022 | Jan'2024 |
| 20 | **COD** | - | - | - | - | - | - | - | - | - |
| 21 | **PG TEST START AND COMPLETION** | - | - | - | - | - | - | - | - | - |

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|  |  |  | **Other Details** |
|  |  |  | **TOTAL EXPENDITURE UPTO LAST FY (31.03.2022): ₹ 12,880 Crores** |
|  |  |  | **EXPENDITURE OF CURRENT MONTH (FOR WHICH PROGRESS DATA IS BEING PROVIDED): ₹ 44.61 Crores** |
|  |  |  | **TOTAL EXPENDITURE TILL DATE (From Inception): ₹ 13944 Crores**  **Note:** Projects to ensure that financial data needs to be same as provided at NIP portal. |
|  |  |  | **LAND POSSESSION DETAILS: (Details about land area still to be acquired).:**2231/ 2273 Acres. 42 Acres pending for acquisition. |
|  |  |  | **REASONS OF DELAY(BTG & BOP , mention separately) :**   * 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. * Delay in acquisition of land. Approx. 140 acres of land is still balance for physical possession for Reservoir and Ash Dyke. It may further delay the commissioning of the project * Additionally, 60 acres of Land is required for external CHP, under acquisition thru’ CCL. * 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 * Delay due to COVID-19 pandemic since Mar’20 and due tonon-availability of Industrial oxygen during second wave Further Oxygen Plant has been Commissioned at NKSTPP |
|  |  |  | **CRITICAL AREA/ ASSSISTANCE EREQUIRED:**   * Works of EPC package (BHEL) needs to be expedited.(CHP/AHP most critical) * Support of MoP is requested for expeditious construction of ATS/Start up Power line for NKSTPP and early resolution of inter-ministerial issues. * Forest Clearance in ATS –NK Chandwa line to be expedited CCL Yet to Handover the Land for pipe conveyer Ext CHP. * Support of State Govt of Jharkhand is required for following:   1. Acquisition / transfer/ possession of balance 140 Acres land for Ash Dyke and Reservoir  2. Providing administrative support during execution, on GM land, where claims of land encroachers has been rejected recently.  3. Expediting Forest clearance for land under Acquisition o by CCL for external CHP.  4. Early completion of Road Widening and strengthening of SH-7 from Hazaribagh to Bijupara. It is being done on deposit basis by SHAJ/RCD. The road diversion in project area needs to be completed on priority.  5. Refund on un-utilized funds, by WRD,GOJH out of Rs.225 crores deposited by NTPC, for erstwhile Grahi Dam project. |
|  |  |  | **Change (if Any) regarding Clearances, PPA ,Fuel Supply or any other matter provided in static data (provided already) needs to be intimated as early as possible.: Nil** |