

Corrigendum ref No: BHE/PW/PUR/TLRPT-BLR1-BLR2-PCP-STG/2818/Corg-01 Dtd:09/08/2023

Package Description: Erection, commissioning & Trial Operation including application of lining, Insulation, supply & touch-up painting as and where required including Handling of materials at BHEL / Client's Stores / Storage Yard and transportation to site, and handing over of

Package-A: Boiler and its auxiliaries, Boiler integral piping, Structure for bunker (BHEL Mfg units Supplied items), Pressure Part, Non Pressure Parts, Duct dampers and its support structure, Rotating Equipment's, Air Pre Heaters, ID/FD/PA fans, Mills, ESP and its Auxiliaries, FGD Absorber and its auxiliaries, Deaerator, Refractory, Erection of Bunker & allied works, including supply & installation of items as per BOQ of Unit -1 at 2X660 MW NTPC Talcher Odisha

Package-B: Boiler and its auxiliaries, Boiler integral piping, Structure for bunker (BHEL Mfg units Supplied items), Pressure Part, Non Pressure Parts, Duct dampers and its support structure, Rotating Equipment's, Air Pre Heaters, ID/FD/PA fans, Mills, ESP and its Auxiliaries, FGD Absorber and its auxiliaries, Deaerator, Refractory, Erection/Assembly of BOP items, Erection of Bunker & allied works, including supply & installation of items as per BOQ, Miscellaneous items in common area and Auxiliary Boiler and its Auxiliaries, Structure, Pressure Part, Non Pressure Parts, Duct dampers and its support structure, Rotating Equipment, Stack of Unit -2 at 2X660 MW NTPC Talcher Odisha

Package-C: Power Cycle Piping (incl. MS, HRH, CRH etc), HP Piping, LP Piping (incl. ACW, CW, DM etc.), Fire-fighting system and other Misc piping, Except Package D piping of Unit 1 & 2 at 2X660 MW NTPC Talcher Odisha

Package-D: Steam Turbine Generator STG Unit#1&2; broadly including Steam turbine, Generator set, Integral piping, HP/LP heater, Pumps and Motors, Tanks & vessels and associated equipment's, DG sets, auxiliaries connected with the systems and other BOIs, including supply and application of final painting of STG Unit #1 & 2 and Common Systems (Pumps sets etc.) of STG Package at Unit #1 & 2 at 2X660 MW NTPC Talcher Odisha.

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Sub: Corrigendum-01-Clarification

S.No	Reference clause of Tender Document	Existing provision	Bidder's query	BHELs clarification
1	Vol-1-E-2818 Annexure-9 Talcher Minimum Wages	In the Tender document, Annexure - 9 Talcher Minimum Wages given the NTPC is for the year of 2022.	As per the recent Circular issued by GOI, The variation in the Minimum Wages from 02.04.2022 and 03.04.2023 is approx 40%. Please confirm the applicability of the revised wages as per the enclosed Notification dated 03.04.2023	Please find Circular regarding Revision of rates of minimum wages of industrial workers dated 04.04.2023 (Copy attached)
2	Price Variation Clause	3. Value of work is to be updated with indices for "All India Avg. Consumer Price index for industrial workers" and "Monthly Whole Sale Price Index for All Commodities" with base month as per last month of work execution and indexed up to three (3) months prior to the month of latest due date of bid submission as per following formula $P = R + 0.425 \times R \times (XN - X0) / X0 + 0.425 \times R \times (YN - Y0) / Y0$ Where P = Updated value of work R = Value of executed work XN = All India Avg. Consumer Price index for industrial workers for three months prior to the month of latest due date of bid submission (e.g. If latest bid submission date is 02-Mar-17, then bid submission month shall be reckoned as March'17 and index for Dec'2016 shall be considered). X0 = All India Avg. Consumer Price index for industrial workers for last month of work execution YN = Monthly Whole Sale Price Index for All Commodities for three months prior to the month of latest due date of bid submission (e.g. If latest bid submission date is 02-Mar-17, then bid submission month shall be reckoned as March'17 and index for Dec'2016 shall be considered). Y0 = Monthly Whole Sale Price Index for All Commodities for last month of work execution	PVC clause as specified by BHEL in the Tender covering labour index with State wages for 42.5% and 42.5% towards Commodity index whereas as per the details mentioned in Point No.1, the central wages are applicable for all NTPC projects. The formula provided by BHEL doesn't Cater the Central wages hence We request BHEL to consider this critical issue and include both All India consumer Price Index for Industrial workers and Arithmetical average of central Minimum wages. We request BHEL to implement the PVC Formula between NTPC and BHEL with base date as date of LOI instead of date of start of the work.	Refer Clause 2.17 of GCC along with Clause 16 Annexure 12 of NIT for Price variation clause.
3	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-XXVI : Bill of Quantities and % Weightage of Individual Items	Weightage/ Factor "X" mentioned for Pressure Parts, ESP, FGD	The Weightage provided for Pressure Parts, ESP and FGD are very less compared to the scope of work involved in execution. We Request BHEL to reconsider the % of Weightage allocated to the critical Items and revised the same for compensating the actual expenses incurred.	Tender Condition shall prevail.
4	2.3 TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-II: Scope of Work	The quantities indicated in the tender specification are approximate and are liable for variation and alteration at the discretion of BHEL. The quoted unit rate shall be applicable for any additional product group also, if included at a later date integral to the main scope of work / package envisaged. The work executed shall be measured and priced as per the unit rate arrived at for each work area as mentioned in the relevant clauses.	If the additional item has to be executed of different category like Piping under Pressure parts , the unit rate may not be sufficient. Pls modify the clause suitably.	Tender Condition shall prevail.
5	2.14 TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-II: Scope of Work	The storage yard is located within the plant boundary and outside plant boundary (approx. 10 KM) of the plant premises in multiple locations. All other materials have to be transported from storage yard to construction area by the contractor at his own cost, using own Pick & Carry Crane (Farrana), crane and trailer. BHEL shall reimburse transportation charges at a fixed rate of Rs. 5 per KM per MT for distance beyond 5Km between material gate and Material storage yard.	Transportation charges of Rs 5/- per KM per MT may not be sufficient for the actual expenses will be incurred. We request BHEL to increase the price to minimum of Rs 20/- per KM per MT.	Tender Condition shall prevail.
6	3.2.2 a TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-III: Facilities in the scope of Contractor/BHEL (Scope Matrix)	Electricity for office, stores, canteen etc. of the bidder.(Chargeable) Chargeable basis. Single point as above for construction purpose, no separate point shall be given. Metering is in scope of bidder.	We request BHEL to provide the Electricity for office, stores on cost free basis instead of Chargeable basis.	Tender Condition shall prevail.
7	3.3.2 a TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-III: Facilities in the scope of Contractor/BHEL (Scope Matrix)	Water supply for bidder's office, stores, canteen etc. (Chargeable) . Chargeable basis. Single point as above for construction purpose, no separate point shall be given. Metering is in scope of bidder	We request BHEL to provide the Water for office , stores and canteen on cost free basis instead of Chargeable basis.	Tender Condition shall prevail.
8	TECHNICAL CONDITIONS OF CONTRACT (TCC) Clause no.11 of 3.10 General Scope:	BHEL at its discretion may include other area works, limited to 15% of awarded contract value, although not be specially mentioned in above scope of works. All such incidental works not specified but reasonably implied and necessary for completion of the project as a whole, contractor shall execute the works as desired and as directed by BHEL engineer which is binding on the contractor. The item rates & contract conditions shall remain unchanged for such works.	Pls explain that how this clause going to implement for this contract.	Tender Condition shall prevail.
9	TECHNICAL CONDITIONS OF CONTRACT (TCC) 3.11 Preamble for the schedule of quantities/BOQ	Details of the items in this Schedule shall be read in conjunction with the Corresponding Consultants/ NTPC specifications, drawings and other documents and shall have precedence over any contrary statement mentioned anywhere in this document.	Please clarify about this Specification to be followed by Contractor.	Tender Condition shall prevail.

S.No	Reference clause of Tender Document	Existing provision	Bidder's query	BHELs clarification
10	TECHNICAL CONDITIONS OF CONTRACT (TCC) 3.12 Construction Power (Provided by BHEL free of cost for Construction purpose only):	Contractor to note that till construction power is made available by BHEL (approx. within 3 months from start of work); contractor shall make his own arrangement like DG set etc. The contractor shall also take the approval/ permission of statutory authorities for his DG set installation. The Contractor has to make his own arrangement for the same as required to carry out the job under the scope of work within the quoted rate. Nothing extra shall be paid on this account of DG set up and running for construction and office maintenance etc.	Please clarify , whether Contractor has to consider DG power for 3 months in the estimate or not .	Tender Condition shall prevail.
	TECHNICAL CONDITIONS OF CONTRACT (TCC) 3.16 Supervisors and Computer for exclusive use of BHEL	(a) The successful bidder(s) will have to provide Four (04) supervisors (MIN. Qualification: Diploma in Mechanical/ Production/ Industrial Engineering) acceptable to BHEL Site with sufficient computer knowledge (knowledge of MS office) to whom works will be assigned in consultation and acceptance of BHEL for original contract period. (b) The bidder will have to provide Four (04) Nos. of Laptops (X-86 Architecture Based, 64-Bit Supported, Microprocessor with minimum minimum 8 cores, On-board Graphics feature compatible with supplied OS, Minimum 8 GB RAM 2666 MHZ SDRAM upgradeable to 16 GB, 512 GB SSD M.2 Hard Drive or higher, 13" - 14" (c) These laptops/ printers along with two supervisors shall remain contractor's property/ownership for all legal/technical purposes. However, contractor will be allowed to take out the same after completion of the site works. However, the computer/printer along with technical supervisor shall remain at BHEL offices.	In clause no 3.16 a , the number of supervisors mentioned as 4 and whereas in clause no c , its mentioned as 2 - Pls confirm how many computer operators /supervisors has to be provided by Contractor and how BHEL will compensate for these facilities .	Clause 3.16 (c) of Chapter III of TCC is amended as "These laptops/ printers along with four supervisors shall remain contractor's property/ownership for all legal/technical purposes. However, contractor will be allowed to take out the same after completion of the site works. However, for site works the computer/printer along with technical supervisor shall remain at BHEL offices."
	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-IX: ESTIMATED WEIGHT FOR VARIOUS SYSTEMS IN SCOPE OF WORK (BOQ)	Deployment of 2 nos. of Computer operator at site, within 15 days, as and when intimated by BHEL. The deployed manpower shall report to BHEL. BHEL shall make payment on pro rata monthly basis on actual deployment at the rate of Rs. 25,000/- per person per month (considering 26 working days in a month). In case the contractor does not deploy or delays deployment of above said manpower with reference to specific instructions from BHEL, BHEL will levy penalty of Rs. 100 per service day, for delay	In clause no 3.16 a , the number of supervisors mentioned as 4 and whereas in clause no c , its mentioned as 2 - Pls confirm how many supervisors/computer operators has to be provided by Contractor and how BHEL will compensate for these facilities .	Section C Item no. 5.0 of Chapter IX of TCC, is amended as "Deployment of 4 nos. of Computer operator at site, within 15 days, as and when intimated by BHEL. The deployed manpower shall report to BHEL. BHEL shall make payment on pro rata monthly basis on actual deployment at the rate of Rs. 25,000/- per person per month (considering 26 working days in a month). In case the contractor does not deploy or delays deployment of above said manpower with reference to specific instructions from BHEL, BHEL will levy penalty of Rs. 100 per service day, for delay."
11	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-IV: T&Ps and MMEs to be deployed by Contractor	All manpower hired/deployed by Contractor for this project shall be monitored through Integrated Online Project Monitoring system by BLE beacons & LoRa backhaul. Every personnel entering in to NTPC site premises for carry out any work shall be tracked. [Separate tagging for visitors]. Geo-fencing /BLE beacon based zoning of the erection area shall be done to track workforce deployment and safety purposes. Work force monitoring Dash board (planned vs actual deployment) shall be made available. BLE beacons & LoRa backhaul shall be provided by BHEL on chargeable basis to contractor. BHEL will provide Tags free of cost for maximum 3000 workers, additional tags as required shall be provided by BHEL on chargeable basis @ Rs. 1000/- per tag. In case of damage or missing of issued worker tag, Rs. 1000/- per tag will be charged for issuing new worker tag.	We request BHEL to minimise the rate per Tag as 300 Rs each instead of 1000/- for the additional tags.	Tender Condition shall prevail.
12	TECHNICAL CONDITIONS OF CONTRACT (TCC) 3.14 CONSUMABLES	3.14.4 The contractor shall provide within finally accepted price / rates, all consumables like welding electrodes (including alloy steel and stainless steel), all gases (inert, welding, and cutting), soldering material, dye penetrants, radiography films. Other erection consumables such as tapes, jointing compound, grease, mobile oil, M-seal, Araldite, petrol, CTC / other cleaning agents, grinding and cutting wheels are to be provided by the contractor. Steel, H&S, packers, shims, wooden planks, scaffolding and pre assembly materials (structural steel, concrete sleeper, concrete blocks etc.) hardware items etc. required for temporary works such as supports, scaffoldings, pre-assembly bed etc. are to be arranged by agency.	We request BHEL to provide the H&S, packers, shims on cost free basis.	Tender Condition shall prevail.
13	TECHNICAL CONDITIONS OF CONTRACT (TCC) 3.14 CONSUMABLES	3.14.5 Sealing compounds and GI wires for insulation mattress binding shall be provided by the agency with in the coated price/rates.	We request BHEL to provide the Sealing compounds and GI wires on cost free basis.	Tender Condition shall prevail.
14	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-IV: T&Ps and MMEs to be deployed by Contractor	Crawler Crane 250 T	As per the tender specification , the deployment of 250 T crane mentioned as -1 No for each Unit, We request BHEL to limit the 250 T capacity crane as one number in contractor's scope as deployment of 02 no's of 250 T crane will be major cost loading factor to contractor.	Tender Condition shall prevail.
15	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-IV: T&Ps and MMEs to be deployed by Contractor	Crawler Crane 100 T	As per the tender specification , the deployment of 100 T crane mentioned as -1 No for each Unit, Since 100 T capacity Cranes are not available in market , we request BHEL to change the same as 80 T/75 T .	Tender Condition shall prevail.
16	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-IV: T&Ps and MMEs to be deployed by Contractor	Tyre mounted mobile crane -35/40 T	We request BHEL to change the qty as AS REQUIRED instead of 08 Nos	Please find the attached revised list of T&Ps mentioned in S.No. 1 & 3 of Clause 4.2 of Chapter IV of TCC (copy attached).
17	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-IV: T&Ps and MMEs to be deployed by Contractor	Tyre mounted mobile crane 18/20 T	We request BHEL to change the qty as AS REQUIRED instead of 06 Nos	

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18	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-IV: T&Ps and MMEs to be deployed by Contractor	Pipe chamfering machine /Tube Cutting 4-14"	We request BHEL to delete the Pipe chamfering machine /Tube Cutting 4-14" from Contractor's scope , as per pur experience these machines will not be useful for Boiler , Piping erection activities.	Tender Condition shall prevail.
19	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-IV: T&Ps and MMEs to be deployed by Contractor	Pipe chamfering machine /Tube Cutting 14-20"	We request BHEL to delete the Pipe chamfering machine /Tube Cutting 14-20" from Contractor's scope , as per pur experience these machines will not be useful for Boiler , Piping erection activities.	Tender Condition shall prevail.
20	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-IV: T&Ps and MMEs to be deployed by Contractor	Pipe cutting & bevelling machines	We request BHEL to delete the Pipe cutting & bevelling machines from Contractor's scope since these items will not be useful for Boiler , Piping erection activities.	Tender Condition shall prevail.
21	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-IV: T&Ps and MMEs to be deployed by Contractor	Agency shall provide sufficient quantity of 12mm and 16mm jaws with hose and Noses (Huck Bolting Machine shall be provided by BHEL). Further Requirement of jaws and any other spare is to be arranged by the contractor at his cost. Consumables like O-ring, backup ring, springs, hydraulic fluid for top-up etc., required for maintenance of the huck bolting machine to be arranged by contractor at his cost.	We request BHEL to provide the sufficient quantity of 12mm and 16mm jaws with hose and Noses for Huck Bolting Machine as free of cost.	Tender Condition shall prevail.
22	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-VII: TERMS OF PAYMENT	7.1 Progressive Payment against monthly running bills will be made up to 85 % of the value of the erected Pro-rata as per SL no 7.1.1 to 7.1.20.8 of the following table. 7.2 Further 15 % payment on pro-rata basis common to all PGs of Boiler, its Aux shall be released on achievement of the following stage / milestones events (as per Cl no 7.2.1 to 7.2.30 of the following table) for the tonnage erected.	The Payment terms mentioned in the tender documents doesn't cater the required cash flow of the project. We request you to please revise Progressive Payment to 92.5% and Milestone payment to 7.5%. Please consider.	Tender Condition shall prevail.
23	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-X: Boiler, ESP & FGD	10.6 Other Items Biomass: Biomass feeding arrangement is envisaged in this boiler hence erection of the equipment for Biomass firing arrangement shall be in contractor scope	Please brief the scope of work to be carried out and provide the applicable BOQ.	Already covered in TCC. Tender Condition shall prevail.
24	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-X: Boiler, ESP & FGD	10.6 Other Items: CO2 Capturing: In order to make the plant more efficient and environmentally friendly, provisions shall be provided for capturing carbon di-oxide from the flue gas generated from the plant. Provisions shall be provided in the flue gas duct i.e. from common duct after FGD system. The tap-off duct portion shall be provided with necessary isolation gates and damper for isolation and control purposes. Erection of each of these equipment shall be in contractor scope.	Please brief the scope of work to be carried out and provide the applicable BOQ.	Already covered in TCC. Tender Condition shall prevail.
25	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-X: Boiler, ESP & FGD	10.6 Other Items:: BOP Erection activity: BOP packages at 2X660 MW Talcher Project, which involves equipment erection of Piping/equipment/ducts etc. shall be in agency scope	Please brief the scope of work to be carried out and provide the applicable BOQ and pls clarify how this works will be compensated by BHEL.	Already covered in TCC. Tender Condition shall prevail.
26	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-XXII: COATING & WRAPPING	22.0 COATING & WRAPPING -Under Ground Protection for Buried Piping EXTERNAL shall be done by the Contractor Pg.no. 174 of 416, LP Piping and others	Please provide the total area to be considered for supply and application of Coating and wrapping . Please provide the Specification and Wrapping & Coating shall be considered and in WBPPS IGES & Form Systems Supply and Application is also in the scope of Agency. Please provide the payment schedule for the supply and application of Wrapping & Coating.	Refer relevent tender clauses including Chapter XXII of TCC and Annexure 16 & 17 for calculation of supply and technical specification of coating and wrapping material. Cost towards supply and application of wrapping and coating material is inclusive in price. No separte payment shall be made. Weight of wrapping and coating material shall ot be considered for billing.
27	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-X: Turbine	10.13 Steam Turbine Generator (STG U#1 and U#2): Generator Stator - Unloading from trailer, placement on TG floor with the help of EOT. In case of it would be required to unload the Stator at TG hall then All required assistance, manpower and required T&Ps for unloading of the Stator shall be provided the agency, saddle shall be provided by the BHEL.	We understood that , Generator stator and all other Major component will be directly unloaded at TG bay to avoid rehandling - Pls confirm	Refer Clause 10.13 (c) and 10.13.2 of Chapter X of TCC. As per clause - Stator will be received at site nearer to the lifting point of EOT Crane (Within the range of 500 mtr. from Column-A Row Service bay). In case, the stator is unloaded beyond 500 mtrs from A Row Service bay, BHEL shall bear the addl. cost towards loading, transportation and unlaoding of stator.
28	PAINT SCHEDULE	PAINTING SPECIFICATION	Painting specification provided vide Annexure 3 is regular BHEL paint specification. For this particular tender , only Touch-up painting is part of the scope of work . We request BHEL to confirm that all other areas like STG, Piping also only Touch-up painting is applicable. Request BHEL to provide the Area wise applicable Paint specification.	Tender Condition shall prevail.

S.No	Reference clause of Tender Document	Existing provision	Bidder's query	BHELs clarification
29	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-XV: Welding, Heat Treatment & Radiography and Non-destructive Testing	WELDING SCHEDULE	We request BHEL to provide the Area wise weld joint details of Pressure parts, Critical Piping, LP piping, Piping in STG Package .	Welding schedule shall be provided during execution of work.
30	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-XV: Welding, Heat Treatment & Radiography and Non-destructive Testing	15.9 All butt / fillet welds shall be subject to Non-Destructive testing as per the Drawing/Procedures/Welding Schedules/Documents at no additional cost. 100% RT will be applicable to all the circuits however applicable percentage of RT shall be guided by the field welding schedule	We request BHEL to provide Area wise Radiography/ NDT to be carryout for Pressure parts, Critical Piping etc.	
31	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-IX: ESTIMATED WEIGHT FOR VARIOUS SYSTEMS IN SCOPE OF WORK (BOQ) Pg. No- 173 of 416	Quantity of Carbon Steel Pipes and Fittings of HP Piping given in Sl. 5C of BOQ	As per the details provided 4024 MT of HP Piping is included in LP Piping tonnage. By considering the huge volume of work and expenses for executing, we request BHEL to shift 4024 MT to Sl. No 5B Piping Including P-11,P-12, P-22 (HP Piping).	Refer Annexure- Clarification-01
32	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-X: Turbine Pg.No- 274 of 416	Summary of Weight of BOQ under the scope	For the STG Pkg of Patratu which was recently concluded tender by BHEL - PSWR the quantity is given as 4676.87 MT per unit, whereas in the tender floated for Talcher STG package the qty is mentioned as 5577 MT Per Unit i.e, 900 MT per Unit has been Increased and Dearector Qty is given in Boiler Package. We hope that BHEL has considered the variation in qty in there estimation and will compensate to contractor accordingly.	Tender Condition shall prevail.
33	General Conditions of Contract (GCC) 2.14 Quantity Variation Pg. No: 88 of 431	Quantity Variation for the STG Package	As mentioned in the clause no.3 in Page no. 144 of 416 in TCC, In STG Package Only Steam Turbine, Generator, Heaters and Pumps can be considered on Lumpsum basis and balance all other items can be executed on Unit rate basis only. Enhancement of quantity of Condenser if any will be major cost factor to Contractor and hence we request BHEL as mentioned below. As per the Clause no.3, of Notes, Please consider the same mode of payment for items which are to be executed on Unit rate basis where the labour involvement is huge. We request BHEL to specify the Qty to be executed for individual items under STG Package and limit the % variation to +/- 5 instead of +/- 15 on Total qty and confirm about compensating the additional quantity executed if any. Please consider our request and confirm the same.	For Package D: Payment towards quantity variation shall only be applicable for Integral Piping. For balance all materials, scope of work shall be executed by agency as lumpsum contract.
34	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-X: Turbine, Pg.No- 272 of 416	Insulation for all rotating and static equipment, heaters, strainers, piping and other auxiliaries erected under this scope, except for insulation for equipment supplied by Haridwar for Turbine, ESV & IV Valves and integral piping etc.	We understand that Insulation of Equipment, Turbine, ESV & IV and Integral Piping is not in the scope of agency. Please confirm. Please specify the how the billing will be done for Application of Insulation for Static Equipments, Heater, strainers, Piping and other auxiliaries. Please clarify.	Tender Condition shall prevail.
35	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-V: T&Ps AND MME TO BE DEPLOYED BY BHEL ON SHARING BASIS, Point No. 4 of Notes Pg.No- 99 of 416	In case, BHEL Crane is being operated during Over time period, beyond a cumulative limit of 60 hrs in a month, agency shall be liable to bear over time charges towards the same.	In the best Interest of the project and complete the project within the project schedule, Heavy Cranes provided by BHEL on sharing basis shall not have any time limit and the cost for the same also not estimated and considered in our offer. We request BHEL to remove the clause and confirm the same.	Tender Condition shall prevail.
36	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-IX: ESTIMATED WEIGHT FOR VARIOUS SYSTEMS IN SCOPE OF WORK (BOQ) Pg.no. 152 of 416	If the total no of equivalent joints in each category exceeds 25% of the total equivalent joints in that category contractor will be paid extra as per the rate indicated below: a) One extra Equivalent joints of Carbon Steel (CS) = Rs 254/- b) One extra Equivalent joints of Alloy Steel (AS) = Rs 561/-	We request you to please consider the extra joints as 10% instead of 25% than the Total weld joints of each Boiler. Please confirm	Tender Condition shall prevail.
37	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-IX: ESTIMATED WEIGHT FOR VARIOUS SYSTEMS IN SCOPE OF WORK (BOQ) Pg.no. 162 of 416	PG No.: 87010, 87100, 87150, 87200, 87300, 87930, 87950, 87960 of Chimney	Since, Chimney shall be executed by separate agency so we request you to please remove the same from the scope of BTG Agency.	Auxiliary Boiler Stack is in the scope of subject tender.
38	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-IX: ESTIMATED WEIGHT FOR VARIOUS SYSTEMS IN SCOPE OF WORK (BOQ) Pg.no. 176 of 416	Scope of BOP items	Please specify in which area the BOP items shall be executed and Usually BOP scope is not included in the BTG scope of work. We request BHEL to remove the same in BTG Package.	Tender Condition shall prevail.

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39	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-IX: ESTIMATED WEIGHT FOR VARIOUS SYSTEMS IN SCOPE OF WORK (BOQ) Pg.no. 176 & 200 of 416	PGMA: 08-0001 to 08-0913 in Structures	As the items specified is in PGMA No.: 08 @1350 MT is part of the Pressure Parts scope. We request BHEL to include the same in Pressure Parts scope.	Tender Condition shall prevail.
40	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-IX: ESTIMATED WEIGHT FOR VARIOUS SYSTEMS IN SCOPE OF WORK (BOQ) Pg.no. 220 of 416	PGMA: 09-003 to 09-304 and 18-001 to 18-701 in Non Pressure Parts	As the items specified is in PGMA No.: 09 & 18 @ 40 MT is part of the Pressure Parts scope. We request BHEL to include the same in Pressure Parts scope.	Tender Condition shall prevail.
41	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-X: Piping Page no 252 of 416	aa. Local control eqpt for non-steam lines bb. Instrumentation for start-up system	We understood this will not comes under Piping scope and request BHEL to descope the same.	Tender Condition shall prevail.
42	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-XVIII: PAINTING Page no 386 of 416	18.17 Prior to application of refractory, bituminous painting (including supply) on the pressure parts and other area is under Contractor scope. 18.18 Painting two coats of bituminous paint on Insulation cladding sheet inner surface.	We request BHEL to supply the Bituminous paint on cost free basis, since this work has to be carried out as part of the scope of work and no payment will be made by BHEL.	Tender Condition shall prevail.
43	TECHNICAL CONDITIONS OF CONTRACT (TCC) Chapter-X: General Page no 386 of 416	10.27 LDO Strainers, LDO Cleaning, LDO Pumps Commissioning/ servicing / Rectification LDO Strainers, LDO Guns cleaning, LDO Pumps and associated items servicing, rectification, commissioning in LDO Pump house & in Boiler are to be done by Boiler vendor. Vendor has to arrange the scaffolding , Consumables, Diesel, petrol, Cleaning agents ,tools, T&Ps for these purposes. For carrying out above activities, draining, cleaning of LDO from Pumps, Strainers and associated items are to be done and contaminated LDO is/are to be collected in drums/containers/dirty oil tanks and for this vendors has to arrange facilities for disposal of the same. Emptying of dirty oil tank/drums/containers, cleaning and disposal of contaminated oil is in boiler vendor's scope. Extra pumps for disposal of contaminated LDO are to be arranged by boiler vendors. All above activities are required to be repeated in no. of occasions till handing over of Unit(s) and are treated as normal scope of work without any extra commercial implications on BHEL.	This work will be executed by Boiler agency till completion of commissioning only instead of Handingover . Pls modify the clause accordingly.	Tender Condition shall prevail.

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44	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-X: Piping Pg.no. 256 & 258 of 416	PGMA: 80370	HP Drain Flash Tank vent to atmosphere is provided in Pressure Parts and LP Piping. Please clarify in which item the item is categorized	Refer Annexure- Clarification-01
45	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-IX: ESTIMATED WEIGHT FOR VARIOUS SYSTEMS IN SCOPE OF WORK (BOQ) Pg.no. 258 of 416	PGMA: 80395 Aux steam to fuel oil Atomising	The item is mentioned in LP piping but same has to be included in HP piping. Request you to please change the scope from LP Piping to HP Piping.	
46	TECHNICAL CONDITIONS OF CONTRACT (TCC) CHAPTER-IX: ESTIMATED WEIGHT FOR VARIOUS SYSTEMS IN SCOPE OF WORK (BOQ) Pg.no. 259 of 416	PGMA: 81XXX, 81060 Special Tanks & Vessels	Special Tanks & Vessels is provided in Pressure Parts and Tanks. Please clarify in which item the item is categorized	
47	Vol-1-E-2818 Chapter - X Piping	All necessary certificates and licenses, permits & clearances (including and not limited to TAC License, Ammonia Storage license, if applicable) to carry out this work from the respective authorities/statutory/ local authorities/ Electrical Inspectorate are to be arranged by the Contractor at his cost in time to ensure smooth progress of work and render all assistance, service required in this regard.	As a regular practice obtaining, IBR License only will be in the scope of contractor. We request BHEL to remove the scope of TAC License, Ammonia Storage License, H2 License and Electrical Inspectorate	Ammonia Storage License shall not be in the scope of this work. All other Terms and conditions of the Tender Specification shall remain unaltered
	Vol-1-E-2818 Chapter - X Turbine (mm)	Obtain clearances and approvals from all applicable statutory / Government agencies e.g. IBR clearance for heaters (HP, LP heaters if required), Electrical Inspectorate for Generator and motors etc.		
	Vol-1-E-2818 Chapter - X Turbine (Note)	All necessary certificates and licenses, permits & clearances (including and not limited to H2 Storage License, Ammonia Storage license, if applicable) to carry out this work from the respective authorities/statutory/ local authorities/ Electrical Inspectorate are to be arranged by the Contractor at his cost in time to ensure smooth progress of work and render all assistance, service required in this regard.		
	Vol-1-E-2818 Chapter - X General (10.16.16)	All necessary certificates and licenses, permits & clearances to carry out this work from the respective IBR authorities/statutory/ local authorities/ Electrical Inspectorate are to be arranged by the Contractor at his cost in time to ensure smooth progress of work and render all assistance, service required in this regard.		
48	Technical Conditions of Contract (TCC) Chapter - IX: Estimated Weight for Various Systems in scope of work (BOQ) Pg.no. 151,176, 256, 258, 259, 260 of 416	BOP Tanks in Non Pressure Parts Hanger & Supports / Pumps & tanks - 1913 MT of 5E PGMA - 80370 - HP DRAIN FLASH TANK VENT TO ATMOSPHERE in Pressure Parts PGMA - 80370 - HP DRAIN FLASH TANK VENT TO ATMOSPHERE in LP Piping PGMA - 81-xxx - Special Tanks & Vessels in Pressure Parts PGMA - 81060 - Special Tanks & Vessels in Tanks of 5E	The scope of Tanks are mentioned in multiple places under Pressure parts, LP Piping No Pressure Parts etc., You are requested to Provide the detailed scope of Tanks works involved along with detailed BOQ.	Refer Annexure- Clarification-01
49	Technical Conditions of Contract (TCC) Chapter - XIV: Erection Pg.no. 334 of 416	Clause No. - 1.1.3 of 14.14.7 - Tanks shall be supplied by the units in more than one segment (rolled sections/plates) having height of each segment approx. 2500 mm. Contractor have to complete the assembly at site with necessary welding/NDT/testing as per the approved FQP. Rubber lining of the tanks (along with surface preparation by blasting or any other approved method and necessary testing i.e. spark test/ pin hole test of the rubber lining) excluded from the scope of work and shall be done by rubber lining vendor of BHEL Ranipet. However necessary assistance to be provided by the contractor. Sizes of the tank mentioned below to give general idea to the bidders regarding the extent of work. Under 1.1.3 Clause total No. 12 Tanks provided in contractor scope	Please confirm the involvement of Fabrication and detailed scope of work and detailed drawings to be provided along with NDT Requirement. If Fabrication is involved then the % for Unit rate will not be sufficient for execution of work. We request BHEL to provide the separate weightage for fabrication also.	Refer Annexure- Clarification-01 (List of Tanks - Not in the scope of agency (Including fabrication and erection work)). Any other tank, not mentioned in the list, shall be in the scope of agency.
50	General Query	General Query	1. Please clarify the scope of painting for Absorber tanks and if painting is required then please provide the painting specification. 2. As per the tender document only application of Touchup painting is in the scope of contractors for STG Package. Please provide the Painting Specification for application of Touchup painting.	Touchup painting is in the scope of contractors. Painting Specification shall be provided during execution of work.

S.No	Reference clause of Tender Document	Existing provision	Bidder's query	BHELs clarification
51	Technical Conditions of Contract (TCC) Chapter - IX: BOQ Pg.no. 259, 334 of 416	PGMA: 81XXX, 81060 Special Tanks & Vessels 2. Under 1.1.3 Clause total No. 12 Tanks provided in contractor scope	As per our understanding all the tanks shall be supplied by BHEL in ready to erection state. Only Touch-up Painting is in the scope of Contractor. Please confirm.	Tender Condition shall prevail.
52	Technical Conditions of Contract (TCC) Chapter-XV: Welding, Heat Treatment & Radiography and Non-destructive Testing	NDT and Heating Procedure of T-12 Joints	We request BHEL to specify the NDT & Heating methods to be adopted. Please Clarify.	1. For T12 tubes of thickness ≤ 13 mm, generally there is no PWHT required as per IBR when there is a preheat done (FWS and WPS shall be referred to for the actual parameters to be followed) 2. Resistance Coil heating is recommended for preheating. PWHT, if any, shall be done using resistance coils or pads.
<p>All other Terms and conditions of the Tender Specification shall remain unaltered unless expressly amended by BHEL in writing. Bidders are requested to submit as a part of their offer, a copy of this corrigendum duly Digitally countersigned by the authorized signatory as a token of Bidder's unqualified acceptance of this corrigendum.</p> <p>BIDDERS MAY PLEASE NOTE THAT SUBJECT TENDER IS E-TENDER AND THE OFFER IS TO BE SUBMITTED ONLY IN E-PROCUREMENT PORTAL@ https://eprocurebhel.co.in</p> <p>BIDDERS WHO HAVE ALREADY SUBMITTED THEIR OFFERS PRIOR TO ISSUANCE OF THIS CORRIGENDUM IN E-TENDER PORTAL ARE REQUIRED TO RE-SUBMIT THEIR OFFER AFTER TAKING COGNIZANCE OF THIS CORRIGENDUM.</p> <p>Thanking you, GM (Purchase)</p> <p>Enclosure:</p> <p>1. Annexure- Clarification-01- 01 Page 2. Minimum Wage Circular- 01 Page</p>				

Annexure- Clarification-01**TECHNICAL CONDITIONS OF CONTRACT (TCC)**

Following amendment incorporated in "CHAPTER-IX: ESTIMATED WEIGHT FOR VARIOUS SYSTEMS IN SCOPE OF WORK (BOQ)" at Page no-173 of VOL-I-A- TECHNICAL BID SPECIFICATION

Customer Ref	PGMA	PGMA Description	WEIGHT in kg	Previous category	Amended Category	RATE SCHEDULE ID	Remarks
Piping	PCP	Carbon Steel Pipes	2377060	HP Piping	LP Piping	5C	For Both Units
Piping	PCP	Carbon Steel Fittings	559600	HP Piping	LP Piping	5C	For Both Units
Piping	SG Integral	Carbon Steel Pipes	985000	HP Piping	LP Piping	5C	For Both Units
Piping	SG Integral	Carbon Steel Fittings	102500	HP Piping	LP Piping	5C	For Both Units

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Following amendment incorporated in "CHAPTER-X: Piping" at Page no- 258, 260 of VOL-I-A- TECHNICAL BID SPECIFICATION

PGMA	DESCRIPTIONS	CATEGORY	Page ref of Vol-1-A-TCC	RATE SCHEDULE ID	Amendment status	Remark
80370	HP DRAIN FLASH TANK VENT TO ATMOSPHERE	LP PIPING	Page no-258, Chapter-X, Piping	5C	Deleted	Refer clarification
80395	AUX STEAM TO FUEL OIL ATOMISING	LP PIPING	Page no-258, Chapter-X, Piping	5C	Deleted	
81060	SPECIAL TANKS AND VESSELS	Tank	Page no-260, Chapter-X, Piping	5E	Deleted	

Following amendment incorporated in "Chapter-IV: T&Ps and MMEs to be deployed by Contractor" of VOL-I-A- TECHNICAL BID SPECIFICATION

Sr No of TCC	TCC Ref	DESCRIPTION OF OTHER T&Ps	CAPACITY (MINIMUM)	Min Qty (Existing)	Min Qty (Amended)
1	Chapter-IV: T&Ps and MMEs to be deployed by Contractor	Tyre mounted mobile crane	35/40 MT Tyre mounted	8	4
3	Chapter-IV: T&Ps and MMEs to be deployed by Contractor	Tyre mounted mobile crane	10/12/14 MT Tyre mounted	2	8

List of Tanks - Not in the scope of agency (Including fabrication and erection work)

S.No.	Description	Quantity	Remark
1	DM STORAGE TANK	2	Refer Clarification
2	CONDENSATE STORAGE TANK	2	
3	PRIMARY HYDROCYCLONE FEED TANK	1	
4	SECONDARY HYDROCYCLONE FEED TANK	1	
5	WASTE WATER TANK	1	
6	FILTRATE WATER TANK	1	
7	LIMESTONE SLURRY STORAGE TANK	2	
8	AUXILIARY ABSORBENT TANK	1	
9	PROCESS WATER TANK	2	
10	BELT WASH TANK	2	
11	CAKE WASH TANK	2	

All other Terms and conditions of the Tender Specification shall remain unaltered unless expressly amended by BHEL in writing. Bidders are requested to submit as a part of their offer, a copy of this corrigendum duly Digitally countersigned by the authorized signatory as a token of Bidder's unqualified acceptance of this corrigendum.



NTPC LIMITED

**TALCHER THERMAL POWER STATION
(HUMAN RESOURCES DEPARTMENT)**

CIRCULAR

Ref. No.NTPC/TTPS/HR-ER/2023

Date 04.04.2023

Sub : Revision of Rates of Minimum Wages of Industrial Workers w.e.f.

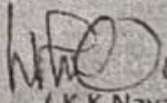
01.04.2023.

Pursuant to Order No. F. No. 1 / 5 (3) / 2023-LS-II Dated 03.04.2023 issued by Chief Labour Commissioner (C), New Delhi, the rates of Variable Dearness Allowance (VDA) has been revised w.e.f. 01.04.2023 for Industrial Workers employed in scheduled employment. Accordingly, the minimum wage rates payable to all categories of Industrial Workers at TTPS shall be as under:-

Sl.No.	Category	Rates of wages including VDA / day		
		Wages in INR	VDA in INR	Total in INR
01	Unskilled	350	144	494
02	Semi-Skilled	410	167	577
03	Skilled	494	201	695
04	Highly-Skilled	579	237	816

All EICs of respective departments of NTPC/Talcher Thermal are requested to pass necessary instruction to all contracting agencies to ensure payment of the applicable minimum wages for different category of workers as mentioned above.

The additional amount of Rs.22/- will continue to be paid as Special Allowance at TTPS. The above minimum wages is also applicable to the assignments of M/s. UPL. This issues with the approval of Competent Authority.


(K.K.Nayak)
Dy. Manager (HR)

Distribution :-

All EICs / HODs .

AM(ES) to ED-TTPS for kind information of HOP

RM, M/s. UPL for information & necessary action please

Subject file / Notice Boards / Intranet