

Corrigendum 1 dated October 01, 2021 to Tender Specification BHEL: PSSR: SCT: 1986 for the works of Package 1: Handling of Materials at BHEL / Client's Stores / Storage Yard, Transportation to site of erection, Erection, Testing, Commissioning & Trial Operation including supply and application of painting of Steam Turbine, Turbo Generator & auxiliaries, Bought Out Items for Unit-1 along with Sea Water Intake/Outfall Pumps and related Auxiliaries

Package 2: Handling of Materials at BHEL / Client's Stores / Storage Yard, Transportation to site of erection, Erection, Testing, Commissioning & Trial Operation including supply and application of painting of Steam Turbine, Turbo Generator & auxiliaries, Bought Out Items for Unit-2 at 2X660MW Udangudi Supercritical Thermal Power Project at Tuticorin District, Tamil Nadu.

A. Some of the Bidders had asked queries in the published Tender Specification. BHEL clarifications are furnished below:

Sl. No.	Reference clause of tender document	Existing Provision	Bidder's query	BHEL's Clarification
1	TCC, Volume I A Part –I, Chapter XIV Clause 1.14.1.11 of Erection	Unloading of stator is in the scope of the contractor. Dragging of Generator Stator to the lifting point-----	Please confirm the exact location identified by BHEL for unloading of Stator with the maximum dragging distance to the lifting point.	Maximum dragging distance shall be around 60 m.
2	TCC, Volume I A Part –I, Chapter V Clause 1.5.6.1.2 of T&Ps and MMEs to be deployed by BHEL on sharing basis Sl.No: 1.5.6.1.2.9 Rope	Maintenance for the BHEL own cranes shall be carried out by BHEL. However, all the consumables for the maintenance of BHEL own cranes shall be provided by the contractor within the quoted rates-----	Generally, Filters and Lubricants will be arranged by contractor during maintenance. Supply of Rope will be BHEL scope. Request to delete the clause or provide exact measurement of the rope with qty. to quote accordingly.	TCC 1.5.6.1.2.9 shall be amended as "Rope- CRG 100 Grease"
3	TCC, Volume I A Part –I, Chapter VI Clause 1.6.2 of Time Schedule	The date of commencement of contract period shall be the mutually agreed date between the bidder and BHEL engineer to start the work. In case of discrepancy the decision of BHEL engineer is final.	Please confirm the maximum time period to be considered for start of work from the date LOI. If it extend beyond the given time period, PVC will applicable?	Tender condition prevails

4	TCC, Volume I A Part –I, Chapter VI Clause 1.6.1.1 of Time Schedule	The entire work ----- shall be completed within sixteen (16) months from the date of commencement of work of respective package at site.	Provide the phase shift for Package A & B. If phase shift getting delayed more than specified months as stated above because of Non availability of customer front will extend project schedule with PVC.	Phase shift between Unit 1 & Unit 2 is 2 months. Unit 1 will be taken up first.
5	GCC, Volume IC Clause 1.10 Security deposit Sl.No:1.10.1	Upon acceptance of Tender, the successful Tenderer----- The total amount of Security Deposit will be 5% of the contract value.	In line with GOI once memorandum No. F 9/4/20-PPD dated 12.11.2020 SD will be 3%. Please confirm.	Tender condition prevails
7	Volume II Price Bid Part- C BOQ Ref.No:2	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.l the total amount	Weightage allotted for additional items to be clarified / justified. As compare the average tonnage rate with TG pkg. additional item rate comes around 2.5 times.	Tender condition prevails
8	TCC, Volume I A Part –I, Chapter II Clause 1.2 Scope of Works.	<p>Package 1 : Handling of Materials at BHEL / Client's Stores / Storage Yard, Transportation to site of erection, Erection, Testing, Commissioning & Trial Operation including supply and application of painting of Steam Turbine, Turbo Generator & auxiliaries, Bought Out Items for Unit-1 along with Sea Water Intake/Outfall Pumps and related Auxiliaries</p> <p>Package 2: Handling of Materials at BHEL / Client's Stores / Storage Yard, Transportation to site of erection, Erection, Testing, Commissioning & Trial Operation including supply and application of painting of Steam Turbine, Turbo Generator & auxiliaries, Bought Out Items for Unit-2 at 2X660MW Udangudi Supercritical Thermal Power Project at Tuticorin District, Tamil Nadu</p>	<p>Inline with the other regions (i.e PSSR & PSER), we request BHEL to Float the tender for awarding the both units for a single agency which will be beneficial to both BHEL & Contractor considering mobilisation of T&P, Man Power & other site establishment expenses.</p> <p>Recently , following tenders are floated & Awarded by other regions are as follows</p> <p>BHEL PSER</p> <p>i. STG package works of 2 x 660 MW Maitree STPP (Bangladesh) to Single agency.</p> <p>BHEL PSWR:</p> <p>i. New Tender floated for execution of STG works at 2 x 660 MW Patratu TPS</p> <p>BHEL PSSR:</p> <p>i. STG package works of 2 x 660 MW Udangudi TPP awarded to single agency</p>	Tender condition prevails

			ii. STG package works of 2 x 660 MW Ennore TPS awarded to single agency iii. Floated 02 Tenders and splitting the units as Tender -01 (U # 1, 3), Tender -02 (Package -A U# 2; Package -B U# 4,5) at 5 x 800 MW Yadadri Tpp iv. Floated tender for execution of STG works at 2 x 1000 MWe Kudankulam NPP	
9	TCC, Volume I A Part –I, Chapter IV Clause 1.4.16 T&Ps and MMEs to be Deployed by Contractor Sl.No:7 Consumables (Page No: 19 of 315)	Consumables 1. Glass fibre cloth – 1mm x 1000mm – Temp rating – 12600 C 2. Glass fibre cord – Dia 3mm (twisted) Temp rating – 12600 C 3. Ceramic fibre Blanket – RT Grade, density 96Kg/M3 - Temp rating – 12600 C 4. Ceramic fibre rope – Fibre Glass braided, Dia 12mm - Temp rating – 12600 C 5. K Type Thermocouple – 0.5mm Dia Single Strand individual fibre glass insulated 6. Heavy duty TC connectors for - K Type Thermo couple – 0.5mm Dia Single Strand individual fibre glass insulated. All other consumables/ equipments required to carry out the work.	Request BHEL to Provide Approximate Quantity to be considered (OR) Request BHEL to provide a separate line item in BOQ	Tender condition prevails
10	TCC, Volume I A Part –I, Chapter III Clause 1.3.8.3 (Page No: 14 of 315)	The contractor shall provide----- Steel, H&S, packers, shims, wooden planks, scaffolding and pre-assembly materials, hardware items etc required for temporary works such as supports, scaffoldings, bed are to be arranged by him. Sealing compounds, gaskets, gland packing, wooden sleepers, for temporary work, required for completion of work except those which are specifically supplied by manufacturing unit are also to be arranged by bidder	Request BHEL to Provide Approximate Quantities to be considered for the following i. Steel, ii. Packers, iii. Shims, iv. gaskets etc	Tender condition prevails

11	TCC, Volume I A Part –I, Chapter XIV Clause 1.14.1.25 of Erection (Page No: 105 of 315)	The hydrostatic testing of steam space with the condenser vacuum system and hydraulic testing of water space with the circulating water (CW) lines after assembly of water boxes are also included in the scope of the contractor. Dummies are to be provided by the contractor at inlet and outlet for Hydraulic Test. Required MS plates shall be supplied by BHEL free of cost. Fabrication of dummies shall be done by the contractor at his cost.	Request BHEL to provide a separate line item for executing the Hydraulic tests	Tender condition prevails
12	TCC, Volume I A Part –I, Chapter XIV Clause 1.14.1.114 of Erection (Page No: 115 of 315)	The contractor has to fabricate stainless steel orifice plate within the quoted rate. No extra payment will be made for fabrication of above orifice plates. The required stainless steel plate will be supplied by BHEL	Request to BHEL to provide the separate payment for any site fabrication works	Tender condition prevails
13	TCC, Volume I A Part –I, Chapter XIV Clause 1.14.1.118 of Erection (Page No: 115 of 315)	The insulation of HP, IP, ESV, IV, LPBP, Overload valve and NRV's will be carried out by another agency deployed by BHEL Haridwar. The facilitation work for the insulation agency is in the scope of this contract. The facilitation work will include erection of safe working platforms around the equipment to be insulated. Contractor has to arrange all the scaffolding and associated materials required for this purpose	Request BHEL to revise the scope of insulation agency i.e including Scaffolding works	Tender condition prevails
14	TCC, Volume I A Part –I, Chapter XVII Clause 1.17.16 of Testing and commissioning (Page No: 136 of 315)	Steam blowing of system piping if required will involve laying of temporary pipe lines, valves, etc and dismantling & restoration of piping. The required steam shall be provided at a central point by BHEL.	Request to BHEL to provide the separate payment for installation works carried out for Steam Blowing works	Tender condition prevails
15	TCC, Volume I A Part –I, Chapter XVII Clause 1.17.25 of Testing and commissioning (Page No: 137 of 315)	Chemical cleaning (Acid cleaning of piping, alkali flushing etc) will involve the installation of temporary piping, valves, cutting of some of the existing valves, placing the rubber, wedges in the valves, gagging of valves, and installation of temporary tanks for chemical and for mixing. Necessary temporary access platforms to mixing tank are to be made by the contractor. The	Request to BHEL to provide the separate payment for installation works carried out for Chemical cleaning works	Tender condition prevails

		dissolving tank, neutralizing tank etc. required for acid pickling will have to be fabricated by the contractor within the quoted rate. All the chemicals and the required raw materials will be provided by BHEL free of cost		
16	TCC, Volume I A Part –I, Chapter XIV Clause 1.14.1.81 of Erection (Page No: 111 of 315)	Additional platforms for approaching different equipments as per the site requirement, which may not be indicated in drawings, shall be assembled and erected by contractor (50T approx.). The steel materials required for these works shall be supplied by BHEL free of cost and the contractor will have to install them to suit the requirement within the quoted rate / price.	Request to BHEL to provide the separate payment for installation works of Additional platforms	Tender condition prevails
17	-	No of Condensor Tubes per Unit	Request BHEL to Provide the quantity of Condensor tubes to be consider per Unit and also clarity ,whether seal welding to be executed or not	Number of condensor tubes is 2X24156 tubes/unit. No seal welding, tube to tube sheet joint is roller expanded.
18	-	Turbine & Generator Integral Piping	Request BHEL to arrange the quantities (in MT) to be considered	Refer Chapter IX Vol- I A Bill of Quantity and other conditlons. However, for clarity, approximate Qty for Turbine & Generator Integral Piping is 120 MT for one Unit.

Note:

- 1) ALL OTHER CONDITIONS OF THE TENDER SPECIFICATION REMAIN UNCHANGED.
- 2) BIDDERS ARE REQUESTED TO CONSIDER THIS CORRIGENDUM AS PART OF TENDER SPECIFICATION AND QUOTE ACCORDINGLY.

-Sd-
(M.Selvan)
Sr. Engineer / Subcontracts