

Corrigendum 2 dated September 20, 2022 to Tender Specification BHEL: PSSR: SCT: 2043 For the works of Erection, Testing, Commissioning and Trial Operation of Steam Turbine, Turbo Generator and auxiliaries including BOI for Unit-1(Package-1) and Unit-2 (Package-2) at 2X660MW Ennore SEZ STPP at Ash Dyke of NCTPS, Tamilnadu.

A. Extension of due date of Offer Submission:

SI.No.	Reference clause of tender document	Existing Provision	Revised As
1	Techno-Commercial Bid Volume I Book I Notice Inviting Tender (NIT) Clause 1.0 Salient Features of NIT, SI No. v) Due Date & Time of Offer Submission	Date : 20.09.2022 Time: 10.00 hrs	Date: 26.09.2022, Time: 10.00 hrs
2	Techno-Commercial Bid Volume I Book I Notice Inviting Tender (NIT) Clause 1.0 Salient Features of NIT, SI No. vi) Opening of Tender	Date : 20.09.2022 Time: 17.00 hrs	Date: 26.09.2022, Time: 17.00 hrs

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

Corrigendum 1 dated September 19, 2022 to Tender Specification BHEL: PSSR: SCT: 2043 For the works of Erection, Testing, Commissioning and Trial Operation of Steam Turbine, Turbo Generator and auxiliaries including BOI for Unit-1(Package-1) and Unit-2 (Package-2) at 2X660MW Ennore SEZ STPP at Ash Dyke of NCTPS, Tamilnadu.

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

Sl. No.	Reference clause offender document	Existing Provision	Bidder's query	BHEL's Clarification
1	TCC, VOLUME I A PART-I, CHAPTER II SCOPE OF WORKS Clause No: 1.2.2.1.10	Obtain clearances and approvals from all applicable statutory / Government agencies e.g. IBR, Electrical Inspectorate etc.	What are the equipment required clearances and Approvals from IBR / Electrical Inspectorate. Whether any IBR scope is envisaged in this scope of work.	IBR clearances / approvals required for equipment & items mentioned in BOQ and scope of work, is included in the scope of work of this contract. Accordingly, tender condition prevails
2	TCC, VOLUME-IA PART-I CHAPTER - V T&Ps TO BE DEPLOYED BY BHEL ON SHARING BASIS Clause No: 1.5.7.1.2	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.-----	1.5.7.1.2.9 - which Rope is required for the maintenance of your crane describe the item in detail.	Please refer clause 1.5.7.1.2 which says, "..... The Tentative List of consumables required to be provided by contractor from the BHEL/OEM recommended...". Accordingly, tender condition prevails.
3	TCC, VOLUME-IA PART-I CHAPTER - IX BILL OF QUANTITY Clause No: 1.9.1, Note: 3	The Lump sum quoted value for Erection Works shall include the Variation of +15% (Fifteen percent) in total indicated weight of Unit-1 & 2 together. In case of variation in weight beyond +15%, the quantity exceeding +15% of the tendered quantity will be paid at the average tonnage rate arrived at by dividing the lump sum quoted/accepted value by 115% of total indicated weight.	Rate for Integral Piping work is costlier than other equipment work. As such, variation in integral piping qty to be considered separately. i.e., 15% of its indicated weight.	Tender conditions prevail.

Corrigendum 1 dated September 19, 2022 to Tender Specification BHEL: PSSR: SCT: 2043

4	TCC, VOLUME-IA PART-I CHAPTER - IX BILL OF QUANTITY Clause No: 1.9.1, A4 BOI ITEMS(Unit-1) & B4 BOI ITEMS(Unit-2)	Only the total approximate weight of Bought-out Items(BOI) has been mentioned in TCC.	Kindly share the details of Weight in each items for better understanding.	The total approximate weight of Bought-out Items(BOI) has been mentioned in TCC to enable bidders quote accordingly. Item-wise weight details shall be shared progressively during progress of work at site. However, the approximate weight of some piping items in BOI (already included in total approximate weight of BOI) are mentioned below: 1. Turbine Integral Piping (BT027) – 59018 Kgs/Unit 2. Generator Integral Piping (BG090) – 27397 Kgs/Unit.
5	TCC, VOLUME-IA PART - I CHAPTER-XVII TESTING AND COMMISSIONING Clause No: 1.17.8	The contractor shall carryout kerosene test of all the bearing housing of turbine, generator, pumps & other equipments and do the repair work if any. The contractor at his cost shall also arrange kerosene.	If any repair works due to manufacturing defects will cost to BHEL account. Please Confirm	Tender condition prevails, However cost for the repair works attributable to manufacturing defects shall be borne by BHEL
6	TCC, VOLUME I A PART-I, CHAPTER II SCOPE OF WORKS Clause No: 1.2.2.1.13	Dragging of Generator Stator to the lifting point of respective units, lifting of stator and shifting it to TG Deck foundation including other works as detailed elsewhere in TCC is in the scope of this bidder within the quoted rate.	Mention the dragging distance of the individual stator (in both X and Y axis)	Stators are already received at site. Bidder to visit site and ascertain the same.
7	TCC, VOLUME I A PART-I, CHAPTER IV T&Ps and MMEs to be deployed by Contractor Clause No: 1.4.15	Filler wires for integral piping works, Seal Steam / gas system works, as required to be arranged by the agency within the quoted rates.	All other systems of Integral Piping works filler wire will be issued on free of cost basis by BHEL.	Clause 1.4.15 is clear. Tender condition prevails. Bidder to quote accordingly.

Corrigendum 1 dated September 19, 2022 to Tender Specification BHEL: PSSR: SCT: 2043

8	TCC, VOLUME I A PART-I, CHAPTER XII FOUNDATIONS, GROUTING AND CIVIL WORKS Clause No: 1.12.19	The certificates ----- The approximate Quantity of grouting cement required per UNIT is 30T.-----	As per quantity variation, up to +15% is acceptable, beyond 15% actual cost to be paid by BHEL. Please Confirm	Clause 1.12.19 is clear. Tender condition prevails. Bidder to quote accordingly.
9	TCC, VOLUME I A PART-I, CHAPTER V T&Ps TO BE DEPLOYED BY BHEL ON SHARING BASIS Clause No: 1.5.1	EOT Crane at TG Hall 225/45T without operator (2 Nos.)	As this is a green field project, what is the present status of EOT crane availability and when will it be made available for usage. Zero Date will be considered from the date of EOT crane handover to TG contractor.	EOT crane would be made available for execution of work as per requirement. Accordingly, tender condition prevails.
10	TCC, VOLUME I A PART-I, CHAPTER - IX BILL OF QUANTITY A.4, BOI Items, Clause No: A.4.10, A.4.11, A.4.30, A.4.31	Quantity mentioned as 1, UOM as ST	Furnish weight of TG Integral Piping (Turbine & Generator) including H&S in MT	Please refer Point no: 4 above.
11	TCC, VOLUME I A PART-I, CHAPTER - IX BILL OF QUANTITY A.4, BOI Items, Clause No: A.4.14	Welded titanium tubes Gr.2 33346 Nos.	What is the total weight of Titanium Tubes in MT/Kgs.	Gross weight is 331 MT. Nett weight : 234 MT (including both Units)
12	TCC, VOLUME I A PART-I, CHAPTER - XIV ERECTION Clause No: 1.14.1.22, 1.14.1.23	Finally, proper trimming of the excess length of the tube shall be carried out and flare-up/ bell mouthing has to be done by the contractor at his cost.	As the tube material is titanium, we do not envisage orbital seal welding of condenser tubes in our scope, other than tube expansion & trimming, flare-up as mentioned in the TS and as general practice.	No orbital welding is envisaged in scope of work. Tender condition prevails.

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