

Corrigendum-1 dtd 13/09/2024
CPC Tender No.: BHEL/CPC/SGL/FAB_STR/25/034 dtd 03/09/2024

Work Description: Fabrication and Supply of Factory Finished Fabricated Structure of Power House, Common Control Room, Mill Bunker Structure (Columns, Bracings, Wall beams, Floor Beams, Trusses etc.) up-to Project Site, based on input design & detailed drawing provided by BHEL and where most of the raw material supply is in BHEL scope, and as specified in scope / BOQ of Unit#1 and Unit#2. for 2x800 MW NTPC Singrauli (Stage-III)

A) Time Extension: Clause No. 1.0 Salient Features of NIT in NOTICE INVITING TENDER is revised as below:

Sl. No.	Clause No.	Existing in Tender	Revised As
1	Sl. No. v) DUE DATE & TIME OF OFFER SUBMISSION.	Date: 13/09/2024, Time: 11:00 Hrs	Date: 20/09/2024, Time: 11:00 Hrs
2	Sl. No. vi) OPENING OF TENDER	Date: 13/09/2024, Time: 17:00 Hrs	Date: 20/09/2024, Time: 17:00 Hrs

B) Some of the Bidders sought clarifications in regard to the published tender specification. The clarifications issued by BHEL are as below:

Tender no: BHEL/CPC/SGL/FAB_STR/25/034				
Sl.	Reference tender clause no.	Existing Provision	Bidder's query	BHEL reply/clarification
1	Cl No 2.12 of GCC	EMD: Rs. 40,00,000/-	We are registered vendor of BHEL, Trichy for the last 10 years, recently our status was Medium Entrepreneur. BHEL-Trichy and BHEL-ISG, Bangalore considered as exempt in EMD. Hence, we request you to kindly allow us for exemption in EMD.	Refer cl. no. 2.12.6 of GCC wrt EMD exemption. Also, may refer MSME S.O. 4926 (E) dated 18.10.2022.
2	cl. no. 4.1 of TCC	Terms of Payment	We have been executing orders of BHEL-Trichy for the last 3 years & getting payment through the TReDS-RXIL platform. Hence, we request you to kindly amend payment terms through bill discounting	Payment can be processed through TReDS-RXIL platform as per extant guidelines, however Payment terms as per Chapter –IV of TCC shall prevail.

3	SCC: cl. 6.4.4.4	Structural Steel Wastage	In accounting of Free Issue steel materials an allowance up to a limit of 1% (one percent) of the weightment of structural steel, will be allowed as unaccountable wastage and losses. In addition to unaccountable wastage and losses permitted hereinabove, accountable wastage of Scrap offcut, cut pieces shall be calculated on actual basis with respect to the requirement provided by us & length of raw material received.	Tender Consitions Shall Prevail															
4	SCC: cl. 6.4.4.5	Reconciliation of Materials	Free Issue Material will be received on weightment basis similarly finished material shall also be considered in the weightment process for material reconciliation. We have executed Job Work for other clients and found that Finished Material weightment & Drawing weight was variation on an average 2 to 3% on each consignment.	Tender Consitions Shall Prevail															
5	cl. no. 6.4.4.4 of SCC	Structural Steel Wastage	Whether Scrap charges will be deducted for 4% or 3.5%	Point no S2b of Tablulation Under Clause no 6.4.4.4 of SCC modified as under. <table><tr><th>Sl no</th><th>Structural steel including SS plate</th><th>Basis of issue & penal Recovery</th></tr><tr><td>S1</td><td>Theoretical consumption (without considering any wastage, scrap or loss) as per specification & drw.</td><td>Free</td></tr><tr><td>S2a</td><td>Wastage limited to plus four percent (+4%) of aforesaid theoretical consumption (S1) towards allowable wastage (including invisible wastage limited to 0.5%) and return to BHEL.</td><td>Free</td></tr><tr><td>S2b</td><td>Wastage limited to plus three-point five percent (+3.5 %) of aforesaid theoretical consumption (S1) towards allowable wastage but not returned to BHEL.</td><td>Scrap Recovery Rate as mentioned in TCC.</td></tr><tr><td>S3</td><td>Wastage beyond four percent (4%) of the aforesaid theoretical consumption (S1).</td><td>Penal rate</td></tr></table>	Sl no	Structural steel including SS plate	Basis of issue & penal Recovery	S1	Theoretical consumption (without considering any wastage, scrap or loss) as per specification & drw .	Free	S2a	Wastage limited to plus four percent (+4%) of aforesaid theoretical consumption (S1) towards allowable wastage (including invisible wastage limited to 0.5%) and return to BHEL.	Free	S2b	Wastage limited to plus three-point five percent (+3.5 %) of aforesaid theoretical consumption (S1) towards allowable wastage but not returned to BHEL.	Scrap Recovery Rate as mentioned in TCC.	S3	Wastage beyond four percent (4%) of the aforesaid theoretical consumption (S1).	Penal rate
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6	cl. no. 4.1 of TCC	Terms of Payment	Payment to be made thro RXIL from site immediately on receipt of material @ site. Kindly confirm.	Payment can be processed through TReDS-RXIL platform as per extant guidelines, however Payment terms as per Chapter –IV of TCC shall prevail.
7	cl. no.6.4.4.2 of SCC	wastage	As more that 90% of material used for this structure is Plate, invisible wastage generated will be 2% for plate formed structure. Kindly do the needful.	Tender Conditions shall prevail
8	cl. no. 2.19.2 of TCC	In Case of Non-Supply of Certain Sections of the Steel could not be arranged by BHEL, Vendor shall procure the material/raw steel from NTPC/BHEL approved source only in adequate time. Delay in procurement of such material shall accounted for calculating the Liquidated damages.	We request clarification on the following: 1.) The maximum time frame that BHEL will allow for the procurement of such materials by the vendor. 2.) A detailed list of materials that the vendor will be required to procure in case of non-supply by BHEL.	1) Refer SCC Clause no 6.3.4 Issue of Steel. 2) Please note that vendor shall procure the material on need basis considering immediate requirements to complete the work, in case of non supply of certian specific sections by BHEL.
9	cl. no. 2.19.3 of TCC	Separate storage area shall be allotted by Vendor for BHEL Material. Separate engineer shall be allocated by vendor for BHEL Contract.	We request clarification on the specific dimensions or area requirements for the separate storage space.	The Plates and rolled sections shall be supplied as per the standard dimensions. Considering the same and the rolling plan the appropriate storage space shall be finalised by vendor.
10	cl. no. Clause 3.2 Package wise Bill of Quantities of TCC	A2301 a Grade of Steel: E250/E350/Square and Rectangular Tubular Sections (Material shall be in BHEL scope), A2301 b Grade of Steel: E250/E350/Square and Rectangular Tubular Sections (Material shall be in Vendor scope)	We request clarification regarding the quantity for Grade of Steel for E:250 & Similarly for Grade E:350. It will help us to quote more accurately	E:250 is approx 60% of the tendered quantity and E:350 is 40% of the tendered quantity.

11	TCC: clause 4.1	95% Of payment (excluding GST) against RA Bill as per billing schedule /Price Bid shall be released within 45 days after receipt & acceptance of material at site and submission	an Advance Payment@20% against advance bank guarantee as project value is more and bidder has to submit multiple BGs for which Cash flow will be affected very badly.	Tender Conditions shall prevail
12	Earnest Money Deposit: Clause 2.12.1 of GCC	EMD: Rs. 40,00,000/-	As per above details, bidder has to make the bank guarantee of Rs. 40 Lakhs. Pls clarify.	EMD as per NIT can be submitted in form of BG also in line with cl. no. 2.12.1 (d) of GCC
13	TCC): clause 4.1, 4.2: Terms of Payment	95% Of payment (excluding GST) against RA Bill as per billing schedule /Price Bid shall be released within 45 days after receipt & acceptance of material at site and submission.	payment should release through Bill discounting scheme (like: RXIL, MARPA or JPMorgan Scheme) due to maintain the cash flow for such a high value of project	Payment can be processed through TReDS-RXIL platform as per extant guidelines, however Payment terms as per Chapter –IV of TCC shall prevail.
14	Chapter IX: Taxes & Duties: Clause 8.3 (V):	Liquidated Damages/Penalty: For the extension of contract, LD shall be 0.5% of basic value of the undelivered / delayed portion per week of delay or part thereof subject to a maximum of 10% of the total contract value (i.e. excluding elements of taxes).	LD should be maximum of 5% of the total Contract value instead of 10%	Tender Conditions Shall Prevail.
15	TCC: Annexure B: Price Variation Compensation: Clause 2.17.5	PVC shall not be payable for supplementary /additional items, extra works. However, PVC shall be payable for items executed under quantity variation Of BOQ items under originally awarded Contract.	it should be payable on Quantity variation limit of +-30% as mentioned in TCC Of Chapter III of Note 2. Pls Clarify	Tender Conditions Shall Prevail.

16	SCC: Chapter VI: Clause 6.4.4.4: Structural Steel Wastage	Allowable 4% including 0.5 % invisible wastage	requested to confirm the returnable scrap/offcuts which 3.5% of the total Qty and non-returnable wastage/in-visible wastage of 0.5 %. Pls confirm.	Point no S2b of Tabulation Under Clause no 6.4.4.4 of SCC modified as under. <table><tr><th>Sl no</th><th>Structural steel including SS plate</th><th>Basis of issue & penal Recovery</th></tr><tr><td>S1</td><td>Theoretical consumption (without considering any wastage, scrap or loss) as per specification & dra.</td><td>Free</td></tr><tr><td>S2a</td><td>Wastage limited to plus four percent (+4%) of aforesaid theoretical consumption (S1) towards allowable wastage (including invisible wastage limited to 0.5%) and return to BHEL.</td><td>Free</td></tr><tr><td>S2b</td><td>Wastage limited to plus three-point five percent (+3.5 %) of aforesaid theoretical consumption (S1) towards allowable wastage but not returned to BHEL.</td><td>Scrap Recovery Rate as mentioned in TCC.</td></tr><tr><td>S3</td><td>Wastage beyond four percent (4%) of the aforesaid theoretical consumption (S1).</td><td>Penal rate</td></tr></table>	Sl no	Structural steel including SS plate	Basis of issue & penal Recovery	S1	Theoretical consumption (without considering any wastage, scrap or loss) as per specification & dra .	Free	S2a	Wastage limited to plus four percent (+4%) of aforesaid theoretical consumption (S1) towards allowable wastage (including invisible wastage limited to 0.5%) and return to BHEL.	Free	S2b	Wastage limited to plus three-point five percent (+3.5 %) of aforesaid theoretical consumption (S1) towards allowable wastage but not returned to BHEL.	Scrap Recovery Rate as mentioned in TCC.	S3	Wastage beyond four percent (4%) of the aforesaid theoretical consumption (S1).	Penal rate
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17	SCC: Chapter VI: Clause 6.4.1: Return Reinforcement Steel and Structural Steel including Scrap	All surplus steel and all wastage materials will be taken back on weighment basis	requested to confirm that reconciliation shall be done based on weighment bridge only as mentioned and additional tolerance limit should be covered during free issue of raw material which is approx. 1-2% of the total qty (additional variation in length and width in steel sections) Pls confirm.	Tender Conditions Shall Prevail															
18	cl. no. 6.4.4.4 of SCC	Reinforcement Steel, MS earthing rod, Foundation bolts and MS Rails Wastage	we understand that BHEL will issue raw material on free issue bases and the weighment shall be actual weight please confirm whether the reconciliation shall be done as per actual /drawing weight.	Tender Conditions Shall Prevail															
19	TCC-cl. no. 2.15	Weight of the heaviest component is approx. 15 MT which may vary slightly upon finalization of the detailed drawings.	Kindly confirm so that proper handling cost can be considered. For heavier load vendor may need to hire higher capacity mobile crane.	the weight of the single largest component is approx. 15 MT which may vary slightly upon detailed engineering. However, any tool and machinery required to handle any material at factory premises shall be arranged by vendor within the quoted rates for which no extra payment shall be done by BHEL.															

20	TCC- cl. no. 2.16	BHEL shall unload the material within 48-72 hrs from the time of entry of trailer in the plant premises.	Ensure to Establish a system at site to note correct reporting date of vehicle.	Tender Conditions Shall Prevail
21	TCC- cl. no. 2.22.4-(6-C)	c. Any charge against ODC consignment shall be borne by seller / vendor. For estimation purpose the ORC consignments may be considered as 5% of the total scope in MT defined in each package.	Please confirm that all expenses towards ODC shall be paid extra at an actual if overall % of ODC exceeds 5%.	Tender Conditions Shall Prevail

22	Tech. Spec- cl. no. 6.02.06 to 08	<p>6.02.06 For all other plates, where the area of any notch/skew cut in the plate is less than 0.05 sq.m. the area of the plate shall be assumed as that of the minimum circumscribing rectangle for the purpose of measurement and calculation of area for the purpose of payment. However, if the area of any notch/skew cuts in a plate is more than 0.05 sq.m, the area of notch/skew cut shall be deducted from assumed minimum circumscribing rectangular area for the purpose of payment.</p> <p>6.02.07 No deduction shall be made for the hole in the members, if the area of individual hole is less than 0.05 sq.m. The weight shall be calculated by deducting the area of holes, if area of individual hole is more than 0.05 sq.m.</p> <p>6.02.08 All cut-pieces and scrap generated due to cutting of holes, skew-cuts of plates, gussets, brackets, stiffeners, etc. shall be stacked separately and handed over to the project stores without being considered for material accounting as the circumscribing rectangle has been considered for payment.</p>	<p>While preparing detail drawing, It is difficult to incorporate this clause in BOM and scrap generated in drilling hole is in form of chips which may not be stacked for long time due to its higher volume and lower weight. Such type of raw material reconcilliation is practically not possible.</p> <p>Suggestion:- Either remove clause 6.02.08 or allow raw material reconcilliation on weighment basis i.e raw material inward by physical weighment and finished good weight accounting on weighment basis as well.</p>	Tender Conditions Shall Prevail
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23	TCC-cl. no. 2.17.6	Base date shall be the calendar month of the 'last date of bid submission	Base date should be after award of order i.e LOI or WO. There may be months gape between bid submission and award of order.	Tender Conditions Shall Prevail
24	SCC cl. no. - 6.4.3.2	Plates having both side greater than 1 Meter OR if any side is less than 1Meter but greater than 0.5 Meter and the total area is equal or greater than 2 sq. Meter shall be considered as serviceable material.	Offcut generated in any odd shape like L or Triangle having any side equal to or more than 500mm and total area of offcut plate is more than 2sq.m shall be treated as serviceable. Please confirm.	Tender Conditions Shall Prevail however bidder to refer Clause no 2.4 on effective utilization of the Off Cut and Servicable materials.
25		Rolling margin not considered	It is witnessed that higher thickness plates are rolled with positive rolling margin which is nowhere considered in this tender. It is not feasible for vendor to accommodate rolling margin within 0.5% invisible scrap. Either increase % of ninvisible to 2% or allow reconcillation on physical weighthment of finished goods.	Tender Conditions Shall Prevail
26	SCC: cl. 6.4.4.5	Reconciliation of Materials	We request that raw material reconciliation be based on actual weighment. Since steel inward is recorded as per vehicle weighment, the outward reconciliation should follow the same method. However, billing can continue to be done based on the drawing weight of the item.	Tender Conditions Shall Prevail
27		Scrap Reconciliation	We propose that scrap reconciliation be conducted on a monthly or quarterly basis to avoid excessive scrap accumulation at our facility by the end of the project.	Refer Relevant Clauses for Reconciliation of materials in TCC and SCC.

28	cl. no. 2.23 of TCC	The Seller/vendor shall arrange Material Receipt Certificate (MRC) at project site, duly signed by the BHEL/NTPC Site Engineer, after receipt of the material at site and its physical verification.	We kindly request that the MRC be provided every 15 days to facilitate timely payments.	The MRC is issued by BHEL/NTPC upon the receipt of material at site.
29	cl. no. 2.10 of TCC	BHEL shall post own employees at the vendor premises for whom a proper Office space with Desktop Computers/Laptop with Internet facility, drinking water, toilet facility etc. shall be provided to BHEL employees (02 Nos.) by successful Vendor for official use. Further, suitable transportation facility shall be arranged by vendor for the BHEL Resident engineer for "To and FRO" movement from residing Location from nearby city to Fabrication Location.	We suggest the appointment of a single BHEL Quality Control (QC) representative for the awarded unit. This would help in expediting decisions and ensure smoother progress of the project.	Tender Conditions Prevail.
30	Clause 2.22.4 6 of TCC: Transportation & Freight Charges	Any charge against ODC consignment shall be borne by seller / vendor. For estimation purpose the ORC consignments may be considered as 5% of the total scope in MT defined in each package.	The drawings indicate that some members exceed 12 meters in length. And in technical specification mentioned to consider 5% for total tonnage. Please provide the dimensions and tonnage for the ODC members or clarify the percentage to be considered. Pl. clarify.	Tender Condition shall prevail.
31	TCC Clause no 3.2	Package-A: BOQ	According to the BOQ, all 16,521 MT of structural steel is specified as hollow sections. But the drawings include various sections such as built-up sections, star columns, hollow sections, and I-sections. If these built-up sections, star columns, and I-	Refer TCC Clause no 3.2 SL no A2301 for complete scope of works.

			sections are in bidder's scope, please provide the separate quantity of each section.	
32	Annexure-3 of NIT	Annexure-3: Sample Drawings	We would require the sample fabrication drawings for doing the fabrication part and also we would require the profile details and sizes of Tubular sections before we proceed for bidding.	The sample drawings attached along the tender may be taken as reference. The total profile details and sizes of tubular/non-tubular sections shall be provided upon finalization of the detailed drawings.

Note:

- 1) All other terms and conditions against this NIT shall remain unchanged.
- 2) This corrigendum is to be submitted duly signed and stamped along with the Techno-commercial bid (Part- I).

for BHARAT HEAVY ELECTRICALS LTD
Manager/ Purchase- CPC