



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN – 03

Ref: PSER:SCT:BAR-M2261:TCN-03

Date : 28-11-2023

Sub	Tender Change Notice (TCN) - 03.	
Job	Erection, Testing, Commissioning, Start Up, Trial Operation and Handing Over of Mechanical Systems of UNIT-1 & Common System for Flue Gas Desulpherisation (FGD) System of 3X660 MW STAGE-I, NTPC Barh Project, Bihar	
Ref	1.0	Tender no. PSER:SCT:BAR-M2261:23
	2.0	BHEL's NIT, vide reference no. PSER:SCT:BAR-M2261:10182 Date: 10-11-2023.
	3.0	BHEL's TCN-01, vide reference no. PSER:SCT:BAR-M2261:TCN-01 Date: 20-11-2023
	4.0	BHEL's TCN-02, vide reference no. PSER:SCT:BAR-M2261:TCN-02 Date: 27-11-2023
	5.0	Other References, if any.

With reference to above, following points/documents, relevant to tender, may please be noted and complied with while submitting the offer.

1. The clarifications to bidder's queries/ amendment are attached as **Annexure-A** to this TCN-03.
2. Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
3. All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD.

Sr. Manager / SCT

Encl.: As Above

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION, DJ-9/1, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : (033) 2339 8000

Job: Erection, Testing, Commissioning, Start Up, Trial Operation and Handing Over of Mechanical Systems of Unit-1 & Common System for Flue Gas Desulphurisation (FGD) System of 3x660 MW Stage-I, NTPC Barh Project, Bihar.				
Tender No.: PSER:SCT:BAR-M2261:23				
ANNEXURE-A OF TCN-03				
Sl. No	Reference Clause of Tender Document	Existing Provision	Bidder's Query	BHEL's Clarification
1	VOLUME-IF-TCC-CML (REV-00), Annex-1, SCH 4, ST. No. A2301 Price Schedule (SCH-4) ST. No. A2301	Transportation from storage yard to erection site, Erection and alignment of Shop fabricated structural steel with mild steel (E250) (shop connections, factory fabricated) will be welded type and field connections will generally be bolted type unless otherwise specified) rolled section / built up section / combination of both conforming to IS:2062, pipes conforming to IS:1161/ IS:1239, chequered plate conforming to IS: 3052, mild steel rounds, monorails, stays, safety chains, ladders, MS grating etc. in columns, beams, gantry girders, bunkers, silos, hoppers, roof trusses, portals, laced purlins, space frames, hangers, struts, monorails, galleries, stiffeners, wall beams, sheeting runners, brackets, stub columns, bracings, cleats, trestles, base plates, splice plates, chequered plate flooring, decking and seal plates, steel frame grid over false ceiling, walkway platforms, ladders, stairs, stringers, treads, landings, hand-rails etc., including, connection design & preparation of fabrication drgs, collection of steel from stores, fabrication, straightening, cutting, bending, rolling, grinding, machining, drilling, welding, electrodes and other consumables, alignment, erection bolts & nuts (weight of erection bolts, nuts and welds not payable, However permanent bolts are payable separately), inspection and testing, erection scheme, protection against damage in transit, stability of structures, installation of temporary structures, setting column bases, touch-up painting, rectification, dismantling and removal of all temporary structures (weight of temporary structures not payable), return of surplus / waste steel materials to store etc all complete.	Clarify the scope of work details building wise (common area). Is there any scope of site fabrication.	Tentative building wise (common area) details are as follows: 1. GYPSUM STORAGE SHED-1: 268.5 MT 2. LBC 1 A/B : 269.5 MT 3. LBC 3A & 3B : 74 MT 4. ACW/ECW PUMP HOUSE : 45 MT 5. COMPRESSOR HOUSE : 52 MT 6. LIMESTONE STORAGE SILO - 1 : 2540 MT 7. WET BALL MILL BUILDING + MILL FOUNDATION : 268 MT 8.FGD CONTROL BUILDING : 843 MT 9. GYMSUM DEWATERING BUILDING : 758 MT 10. GC 1 A/B : 75 MT 11. LTP-1 : 111.29 MT 12. LIMESTONE CRUSHER HOUSE(LCH)-1 : 1110 MT 13. MISC STR: 250 MT TOTAL: 6654 MT ST no. A2301 shall be read as follows: Transportation from storage yard to erection site, Erection and alignment of Shop fabricated structural steel with mild steel (E250) (shop connections, factory fabricated) will be welded type and field connections will generally be bolted type unless otherwise specified) rolled section / built up section / combination of both conforming to IS:2062, pipes conforming to IS:1161/ IS:1239, chequered plate conforming to IS: 3052, mild steel rounds, monorails, stays, safety chains, ladders, MS grating etc. in columns, beams, gantry girders, bunkers, silos, hoppers, roof trusses, portals, laced purlins, space frames, hangers, struts, monorails, galleries, stiffeners, wall beams, sheeting runners, brackets, stub columns, bracings, cleats, trestles, base plates, splice plates, chequered plate flooring, decking and seal plates, steel frame grid over false ceiling, walkway platforms, ladders, stairs, stringers, treads, landings, hand-rails etc., alignment, erection bolts & nuts (weight of erection bolts, nuts and welds not payable, However permanent bolts are payable separately), inspection and testing, erection scheme, protection against damage in transit, stability of structures, installation of temporary structures, setting column bases, touch-up painting, rectification, dismantling and removal of all temporary structures (weight of temporary structures not payable), return of surplus / waste steel materials to store etc all complete.
2	VOLUME-IF-TCC-CML (REV-00), Clause no. 34.1	Vendor shall submit RA bill once in a month at the end of each month along with all statutory compliances. The RA bill, complete in all respects accompanied by BHEL engineer's certificate/ jointly signed measurement sheet will be paid within 45 days of submission of bill, subject to its completeness & correctness in all respects. The measurement will be taken by BHEL engineer as per relevant clause of GCC and certification regarding the actual work executed in the measurement book and bills for work.	Can it be changed to 30 days payment after submission of bill.	Shall be as per tender.
3	VOLUME-IF-TCC-CML (REV-00), Clause no. 18.17	Grouting after erection & alignment of structures/equipments by GP1/GP2 material (supply of grouting material is under contractor's scope at free of cost to BHEL).	The scope of work to be clarified and quantity of the scope	Shall be as per tender.
4	VOLUME-IF-TCC-CML (REV-00), Clause no. 18.14.4	Lime stone silos shall be supplied by the units in more than one segment and height of each segment shall be 2500 mm. Contractor shall have to complete the assembly, final welding, /NDT/testing as per the approved drawings/documents/ FQP. Sizes of the silos mentioned below to give general idea to the bidders regarding the extent of work.	Please clarify the segments are in rolled sections or plate and clarify the painting in contractor's scope. If yes, please furnish specification for painting and blasting work of tank/ silo.	Segments of Lime stone storage silo are of rolled section. Final finish & painting work of site welded portion is in bidder's scope (including supply of paint). Painting schedule has already been furnished with the tender.
5	NIL	-	We have neither considered any left out work. If any shall be done on extra rate which will be mutually discussed.	Shall be as per tender.
6	VOLUME-IF-TCC-CML (REV-00) Clause no.18.14.6	However, contractor scope limited to extend the necessary assistance along with T&Ps, scaffolding to the vendor during the erection and commissioning of the above system.	-	Clause no.18.14.6 of TCC shall be read as : However, contractor scope limited to extend the necessary assistance along with T&Ps, scaffolding to the vendor during the erection and commissioning of the above system mentioned in clause no. 18.14.5 .

FORMAT FOR NO DEVIATION CERTIFICATE
(To be submitted in the bidder's letter head)

BHARAT HEAVY ELECTRICALS LIMITED,
 Power Sector - Eastern Region,
 Plot no 9/1, DJ Block, Sector – II, Salt Lake City,
 Kolkata – 700 091

Sub	No Deviation Certificate.	
Job	Erection, Testing, Commissioning, Start Up, Trial Operation and Handing Over of Mechanical Systems of UNIT-1 & Common System for Flue Gas Desulphurisation (FGD) System of 3X660 MW STAGE-I, NTPC Barh Project, Bihar	
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	4.0	BHEL's TCN-02, vide reference no. PSER:SCT:BAR-M2261:TCN-02 Date: 27-11-2023
	5.0	BHEL's TCN-03, vide reference no. PSER:SCT:BAR-M2261:TCN-03 Date: 28-11-2023
	6.0	All other pertinent issues till date.

Dear Sir/Madam,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc. We also confirm that we have not changed/ modified the tender documents as appeared in the website/ issued by you and in case of such observance at any stage, it shall be treated as null and void.

We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT. We hereby confirm our unqualified acceptance to all terms & conditions, unqualified compliance to technical specification, integrity pact (if applicable) and acceptance to reverse auctioning process.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void.

We confirm to have submitted/uploaded offer/documents in accordance with tender instructions with acceptance of the terms & conditions of the tender by us and as per aforesaid references.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized
representative of the bidder)