

Ref: BHE/PW/PUR/MANUT-STR Bunker/1475-1476/Corrigendum 02

dtd: 02/07/2015

-----Page 1 of 6-----

To

ALL BIDDERS

Subject: Corrigendum-01: Clarification and Extension of Last Date of offer submission

**Package F-1:** Fabrication and Erection of Bunker bay Structure, Bunker Shell, Interconnecting gallery etc within the battery limits of plant area up to final painting and handing over to civil/mechanical/electrical agencies for **Unit# 1 & 2** at **4 X 270 MW** Thermal Power Station, **Manuguru**, Distt-Khammam, Telangana.

**Package F - 2:** Fabrication and Erection of Bunker bay Structure, Bunker Shell, Interconnecting gallery etc within the battery limits of plant area up to final painting and handing over to civil/mechanical/electrical agencies for **Unit# 3 & 4** AT **4 X 270 MW** Thermal Power Station, **Manuguru**, Distt-Khammam, Telangana

Sl NO	Tender Specification Number	Unit umber
1	BHE/PW/PUR/MANUT-STR BUNKER Pkg-F1 (U-1&2) /1475	Package-F.1 (Unit-1&2)
2	BHE/PW/PUR/MANUT-STR BUNKER Pkg-F2 (U-3&4) /1476	Package-F.1 (Unit-1&2)

Bidders to kindly take note of the following:

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**AA) Reply of bidders queries.**

Sl. No	Clause No	Bidders Queries	BHEL REPLY/CLARIFICATION
1	Volume IA TCC , Clause No 2.13.9 Page- 66 of 99- scope of work	Please Note that the general Mobile Illumination shall be applicable for area of fabrication yard only. Please confirm.	Bidder has to provide Mobile illumination for work area under their scope of work and it is not limited to the fabrication yard.
2	TCC, Cl. No. 8.4 Pge No. 95 of 998.4 Pge No. 95 of 99	BOCW Cess- This tax is to paid by BHEL. Please Confirm	Tender conditions are very clear and shall prevail

Sl. No	Clause No	Bidders Queries	BHEL REPLY/CLARIFICATION
3	Chapter XII 'BOQ' of Volume IA item No 2302 A- painting ( Price Bid)	We request BHEL to give Payment of 1 <sup>st</sup> Coat of primer applied at shop along with fabrication item and 2 <sup>nd</sup> coat of primer after erection separately. This breakup is required to have the cash flow as there may be long time difference between fabrication and erection. Please confirm.	The structural work item no 2302A will be paid as per Clause no 7.3 (added through this corrigendum) of the TCC which is as below:  7.3 STRUCTURAL WORK  7.3.1 As per schedule of rate for item no. 2302A for shot blasting, 1st coat of primer after fabrication and 2nd coat of primer after erection break up is as follows <ul style="list-style-type: none"> <li>• Shot blast cleaning of steel structures to near white metal surface(Sa 2 1/2 ) including zinc phosphate primer in one coat of minimum 25 micron (DFT) at shop - 80% of quoted item rate.</li> <li>• One coat of 25 micron (DFT) zinc phosphate primer after erection, including touch-up painting etc all complete – 20 % of quoted item rate</li> </ul>
4	Volume IA TCC, Clause No. 2.1, page 55 of 99	Micro Grading: As micro grading is purely civil work, hence this should be excluded from our scope. Please confirm.  ..... Additional quantity of earth, if required, for micro grading purpose will be provided by BHEL/Customer from within the Project premises. Similarly disposal of surplus earth will be done within the Project Premises.	As per Clause 2.1 of TCC, it is clearly mentioned that after the completion of structural work the entire fabrication yard area shall be fairly leveled by the contractor to achieve the ground profile at no extra cost. The extra material / wastage including contractor's own site office/storage yard etc debris, so generated shall be disposed outside of plant premises at approved location without any extra cost. Hence, additional quantity, if required, for doing so shall be arranged by bidder.
5	Volume IA TCC, Clause. No 8.1.3- Page -94 of 99- Taxation	Both Service Tax and VAT should be reimbursed to bidder Extra at actual as practice being followed at site of BHEL in Gujarat. Further we assume that this complete contract,	Tender conditions remains unchanged

Ref: BHE/PW/PUR/MANUT-STR Bunker/1475-1476/Corrigendum 02

dtd: 02/07/2015

-----Page 3 of 6-----

Sl. No	Clause No	Bidders Queries	BHEL REPLY/CLARIFICATION
		hence only Service Tax as per prevailing	
6	Clause No 2.5.6 of TCC Vol-1A	Whether Paint will be supplied by BHEL	Supply of Paints is in the scope of Bidder
7	Clause No 2.8 TCC Vol 1A : site visit to wanakbori	Confirm Whether the intended project is Manuguru.	Clause 2.8 of the Volume IA TCC is hereby modified as below: "Contractor may visit Manuguru project site, to acquaint himself with the conditions prevailing at site and in and around the plant premises, together with all the statutory, obligatory, mandatory requirements of various authorities before submission of the bid."
8	Chapter XII 'BOQ' of Volume IA item no 2301D (II)	The fabrication quantity (2400 MT) mentioned in the BOQ differs from the erection quantity (1200 MT) of the same item no. Kindly confirm whether the quantities provided in the BOQ under item no. 2301D (I) & (II) are correct.	<b>Quantity of Item No 2301 D (II)</b> shall be read as <b>2400 MT</b> instead of 1200 MT
9	Vol. I.A TCC-Chapter II, Clause No 2.5.1	You have not indicated No. of Prints of detailed drawing required to be submitted by Contractor	One number of drawings in each hard and soft medium has to be submitted by the bidder for comments to BHEL. Six Numbers of hard copies are to be provided to BHEL SITE after the drawing is approved by BHEL.
10	Vol. I.A TCC-Chapter II, Clause No 2.5.13	For testing of Welder sample preparation will be done by contractor but similar material to be provided by BHEL free of cost at site. Testing will be done at site.	BHEL will provide material for sample testing of welder.
11	Vol. I.A TCC-Chapter II, Clause No 2.10.5	We would request BHEL to provide a leveled land inside the Project premises for making fabrication yard and site office.	BHEL will provide almost leveled land for preparation of fabrication yard. Necessary hard surfacing for movement of equipment will be in bidder scope at no extra cost.

Ref: BHE/PW/PUR/MANUT-STR Bunker/1475-1476/Corrigendum 02

dtd: 02/07/2015

-----Page 4 of 6-----

Sl. No	Clause No	Bidders Queries	BHEL REPLY/CLARIFICATION
12	Vol. I.A TCC- Chapter II, Clause No 2.13.9	Contractor shall provide illumination only at his work place. All other general illumination inside the Plant are to be provided by Customer/ BHEL.	Bidder has to provide illumination for work area under their scope of work.
13	Vol. I.A TCC- Chapter II, Clause No 2.16.1	Unloading of Free issue steel/ pre fabricated structures will be done within the normal working hours. Contractors will not be responsible for the demurrage charges if the Truck Trailer are placed beyond normal working hours.	Vol. I.A TCC- Chapter II, Clause No 2.16.1 shall prevail.
14	Vol. I.A TCC- Chapter II, Clause No 2.2.1	Structural steel Rolled section of length 2 M & above and plate section above 0.5 sqm with width more than 300 mm to be considered as Good steel length/sections below the above limit to be considered as scrap (wastage). Invisible wastage of 0.5% will be in addition to wastage margin of 4%. Rolling tolerance which will be to BHEL's account, also to be considered while reconciling free issue steel material quantity.	Tender conditions remains unchanged
15	Vol. I.B SCC- Chapter VII, Clause No 7.1	Minimum three copy of Design drawing /BOQ/Specification to be furnished by BHEL .	Two numbers in Hard copies along with soft Copy of drawings will be provided by BHEL.
16	Vol. I.B SCC- Chapter IV, Clause No 4.2.2.17	Since the lift will be mainly used by Equipment Erection Contractor, we presume the Construction /dismantling of the foundation of Construction Lift and also Erection/dismantling of the Lift will be done by Equipment Erection Contractor and not by Structural Contractor. Please confirm..	Referred scope is Not in the scope of this contract.

Ref: BHE/PW/PUR/MANUT-STR Bunker/1475-1476/Corrigendum 02

dtd: 02/07/2015

Page 5 of 6

Sl. No	Clause No	Bidders Queries	BHEL REPLY/CLARIFICATION
17	Workmanship Guarantee Period	The guarantee period shall be considered 12 months from the date of completion of the total work under scope of the contractor and it should not be tagged with the date of taking over by BHEL/Customer	Guarantee Period for entire contract shall commence from the "Work Completion Date" certified by BHEL Engineer.
18	Vol. I.A TCC-Chapter II, Clause No 2.5.	Detailed drawing for the Structural work will be prepared based on design, GA Drawing and data furnished by BHEL from PSWR/PEM and detailed drawing will be submitted for approval at BHEL/PSWR only. Approval/comment on the drawing to be communicated within 7 days from the date of submission.	BHEL will provide comment on drawings within 10 days from the date of submission of drawings and bidder has to ensure re submission of drawings incorporating BHEL comments within 10 days.
19	Chapter XII 'BOQ' of Volume IA item no 2302 A Extra over ST NO. A2301 for shot blast cleaning of steel structures to near white metal surface (Sa 2 1/2) and applying zinc phosphate primer in coats of minimum 25 micron (DFT) at shop and 25 micron (DFT) after erection, including touch-up painting etc all complete.	As per Vol. IE Tech Specs Sheet No. 40 of 79 Sl. No. 4.2.8 under Painting, "the primer paint shall be of inorganic zinc phosphate of approved brand". We assume the primer to be synthetic zinc phosphate instead of inorganic base as the finish paint is of synthetic enamel paint and as inorganic zinc phosphate is not compatible. Kindly confirm.	The primer paint shall be synthetic Zinc phosphate of approved brand as per item no 2302A. This will prevail over technical specification.
20	Chapter XII 'BOQ' of Volume IA item no 2309 'Extra over above ST NO. 2301 for finishing the grating units with hot dipped galvanisation @	Kindly clarify whether red oxide zinc chromate primer is to be used for items under 2301 or synthetic zinc phosphate primer.	The BOQ Item 2309 clearly states that if required then the items will be galvanized instead of synthetic zinc phosphate primer

Ref: BHE/PW/PUR/MANUT-STR Bunker/1475-1476/Corrigendum 02

dtd: 02/07/2015

-----Page 6 of 6-----

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	610 gm/sqm over blast cleaned steel surfaces instead of painting with two coats of red oxide zinc-chromate primer all complete'.		
21	Vol. I.A TCC- Chapter II, Clause No 2.13.7	We assume necessary permission, if required, is to be taken from Telangana State statutory authorities instead of Gujarat State statutory authorities. Kindly confirm.	The clause 2.13.7 of Volume IA TCC is modified as below: "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 Telangana State statutory authorities for his DG set installation"

**BB) Excel Sheet for Calculation:**

Excel Sheet for Calculation as per Sl No 6 of Part A of Volume II Price Bid is uploaded as file titled 'Calculation Sheet-1475'

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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 Technical Bid, a copy of this corrigendum duly countersigned by the authorized signatory and stamped with the Official seal as a token of Bidder's unqualified acceptance of this corrigendum.

This letter is hosted as file titled "Corrigendum-02: (Clarification)" against NIT-22907 in BHEL web page (www.bhel.com→Tender Notifications → View Corrigendum).

Thanking you,

Yours faithfully,

AGM (Purchase)

Enclosure:

1. Excel Sheet for Calculation as per Sl No 6 of Part A of Volume II Price Bid is uploaded as file titled 'Calculation Sheet-1475'