

Ref: BHE/PW/PUR/MADT1-STR U # 4/1458/ Corrigendum 02

Date 04/06/2015

To

ALL BIDDERS

**Sub: CORRIGENDUM -02: Issue of Clarification**

**Job:** Supplying (Excluding BHEL supplied materials), Receipt, Collection & handling of materials from BHEL/CLIENT'S works/ stores/ storage yard; Transportation to erection site; Pre assembly, erection, alignment, bolting/ welding/ fastening, grouting, testing, final painting and handing over of bunker structures, raw coal bunkers, coal handling transfer points, coal conveyor galleries and its supporting trestle of bunker structures etc. at site of Unit # 4 of 2X660 MW NTPC MOUDA STPP STAGE II At NATIONAL THERMAL POWER CORPORATION LIMITED (NTPC) MOUDA District: Nagpur MH

**T.S.No: BHE/PW/PUR/MAUDT-STR U # 4/1458**

Bidders to kindly take note of the following:

**AA) Clarification to the Queries of Bidder**

Sl. No.	Ref. Clause of Tender Document (Page No.)	Bidder's Query	BHEL's clarification
01	Sr. No. 602 B of Price Bid	Supplying & fabrication of MS Nuts, locknuts, anchor plate etc.....directed by the Engineer  Since the rate has been asked in numbers, please confirm the length and dia meter of various sizes of foundation bolts	Supply of foundation bolts is not in the scope of work. Item no. 602 (b) is for nuts as per description in the referred item.
02	Clause 2.0 on page 47 of volume-I of TCC and Drawing for General arrangement	9 Nos. coal mills are shown in the drawing but in the referred clause only 4 Nos. mill bunker are mentioned ( as per Sr. No. 201 (b) of price bid) Please confirm that which method/system is to be applied for erection of balance 5 Nos. Bunker.	Additional provision for 4/9 bunker has been made for erection using strand jack method as specified in tender documents. Accordingly extra over original item rate has been invited
03	Clause 2.0 on page 47 of volume-I of TCC and Drawing for General arrangement	It is mentioned that minimum lifting capacity of 50 MT per Jack, please confirm the total number of jack are to be deployed or alternately the agency will finalized the capacity/quantity of deployment of jacks as per their design. Please	Contractor shall finalise the capacity/quantity of jacks required to be deployed as per their design / methodology in consultation with BHEL site engineer

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		clarify.	
04	Clause 2.0 on page 47 of volume-I of TCC and Drawing for General arrangement	It is mentioned that Weight of bunker shell in one no. mill bunker is 176.8 MT, please confirm that it includes weight of hopper also?	Yes it includes weight of hopper also
05	Sr. No. 303,401,402 and 601of Volume II Price bid	In some of the items the quantity mentioned as 0 or NA. Please confirm that what is to be done for these items, whether unit rates is to be quoted?	These items are not applicable for this tender. Hence no unit rate is to be quoted.
06	Annexure-II on page 70,71 & 72 of Volume I TCC	The weight of PG- 66, (Bunker) shown as 1120 MT, if we consider 9 bunkers in one unit then weight of one bunker comes to 124.44 MT where as in cl. 2.0 on page 47 it is indicated as 176.8 MT. Please clarify as weight mentioned in clause 2.0 on page 47 and Annexure –II on page 70,71 & 72 are different.	The weight of bunker is not fully covered in PG-66. As per drawing attached in the tender documents, the weight of 1 bunker may be taken as 176.8 MT. However for execution purpose, the latest drawings and documents may be taken as reference.
07	Item No 201 (b) of Volume II Price Bid, Clause 2.0 on page 47 of volume-I of TCC	Optional price for erection of 4 Bunkers by using Strand & Jack arrangement. We assume that balance Bunkers erection will be done by Crawler Cranes, Fre issue by BHEL	Please note that referred item is an optional item and shall be operated only in case BHEL opts for erection of 4 bunkers by strand jack method. Otherwise bunkers shall be erected using crane. Scope of T&P deployment shall be as per the tender conditions
08	Item No 204 of Volume II Price Bid	Confirm whether the quantity of item No 203, For finishing the factory fabricated grating unit with hot dipped galvanization @610 gm/sqm overblast cleaned steel surfaces, as per specification, drawings and instruction of Engineer instead of painting with 2 coats of red oxide primer followed by two coats of Enamel finish paint. Qty 20 MW  Is item No 203 Qty is 8 MT. Clarify about supply of balance quantity of 12 MT	For item No 203 and 204, Quantities shall remain same as MT and 20 MT respectively.

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09	Item No 201 (a) and 201 (b) of Volume II Price Bid	Confirm In how many pieces bunker shell is being supplied.  Whether ring beam of bunker shells will be supplied pre-fabricated in how many no. of pieces.	The cylindrical portion is released in 6 tires containing 4 segments each. Conical portion is released in 6 tires. Top 3 conical tires are having 6 segments each , the next bottom 2 tires are having 2 segments each and the bottom most tire is released as a single segment.  Ring header beams are pre-fabricated with 4 segments.  Also refer the drawings enclosed herewith
10	Item No 201 (a) and 201 (b) of Volume II Price Bid	Issue the methodology for using strand jack	methodology for using strand jack is to be submitted by contractor before execution of work
11	Item No 201 (a) and 201 (b) of Volume II Price Bid	Issue the approved list of vendors for strand jack	Contractor shall get Vendor list of strand jack approved by BHEL before execution of work
12	Item No 207 (a) of Volume II Price Bid	Confirm the condition of SS Liner Plate to be issued to contractor (duly rolled / edge prepared).	SS liners are prefabricated and fixed with shell. For top conical tire SS liner is to be fixed at site. SS liner at each joints of conical portion is to be fixed at site for a width of 200 mm.
13	Item No 205 of Volume II Price Bid	Confirm the exact size of bolt or size wise breakup	Exact size shall be as per detailed drawings and documents
14	Clause 4.2.1.2 of volume-I B of SCC	As per Volume I A TCC Chapter 4 the maximum capacity of the crane to be deployed by contractor is 75MT. We presume that, materials which are weighing more than 75MT will be directly unloaded at site.	Noted
15	Clause 2.0 on page 46 of volume-IA TCC	Receipt, Loading, Transportation..... Please confirm that material receipt, loading, transportation, unloading etc shall be carried out within project premises and confirm the approx.	Material receipt, loading, transportation, unloading etc shall be carried out within project premises (approx. 500 m to 1000m). The cranes for the above shall be arranged by the contractor as per list

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		distance. If loading is to be done from fabrication area, crane for loading should be provided by BHEL. Please confirm	of T & Ps indicated in Vol IA TCC..
16	Clause 3.9.1 (A & B) on page 58-59 of volume-IA TCC	Erection / fabrication drawing and drawing for construction method is in bidder scope. As the fabrication work is not in the scope of this tender, please confirm what drawing shall be under contractor's scope	Erection / Fabrication drawings are excluded from the scope of Contractor.
17	Clause 3.9.1 (D) on page 58-59 of volume-IA TCC	Shipping list etc.....the activities in the bidder scope/ Please confirm that shipping list shall be provided by BHEL	Shipping lists are excluded from the scope of Contractor. However planning the activities are in the scope of work
18	Sub section D-17 of Section D of Volume II B	Technical Specification for fabrication of structural steel works As fabrication work is not in the scope of this tender, we feel that this chapter should be excluded from the scope of this tender.	This chapter is issued for reference purpose only. Scope of work shall be as per Volume II Price bid and Volume IA TCC.
19	Clause 2.01.00 (b&c), Clause 2.05.01 and Clause 3.01.03 of Volume II B – Erection of Structural Steel Work	Clause 2.05.01 (b) is meant for materials management. Since fabrication is excluded from this tender, This clause should be deleted. Clause 3.01.03 Please confirm the quantum of riveting work and also confirm the length of temporary approach road which is to be built by contractor.	Line “if necessary suitable temporary approach road to be built for transportation of fabricated steel structures” of clause 2.01.00 ( c ) stands DELETED Other clauses shall remain unchanged. These clauses are for reference only. Scope of work shall be as per Volume II Price bid and Volume IA TCC.
20	Clause 2.01.00 (g) iv & vi of Volume II B – Erection of Structural Steel Work	iv) Re-fabrication of parts----- incorrectly fabricated We feel re-fabrication work shall be paid as extra work vi) Drilling holes----- during fabrication We feel drilling of holes work shall be paid as extra work	Tender Conditions holds good. Matter shall be dealt on case to case basis on the merit of case as per the discretion of BHEL engineer.
21	-	Confirm the approximate lifting elevation of Bunker Shells (Height in meters)	Approximate lifting elevation of bunker shells is 57.6 m

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22	-	Confirm the number of bunker shells to be erected	There are 9 bunkers in Unit # 4. 5 Bunkers are on RHS and 4 bunkers are on LHS

**23 Clause No 9 of Annexure IV of Notice Inviting Tender 'Interchangeability of Scope' has been amended and shall be read as below:**

'BHEL reserves right to swap any particular scope of work/any portion of work under this contract between Unit # 3 and Unit # 4 of subject project as per the requirement of the site during execution of the job.'

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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 (T.S. No 1458)" against NIT-22574 in BHEL web page ([www.bhel.com](http://www.bhel.com)→Tender Notifications → View Corrigendum).

Thanking you,

Yours faithfully,

AGM (Purchase)