

Ref: BHE/PW/PUR/NTPRT-PHA-AHP-FGD-ERECTION/2300/Corg-02

Date: 21/08/2020

To,

ALL BIDDERS,

Sub: Corrigendum-02: Reduction in EMD amount and Issuance of Clarifications.

Scope of Work: Erection, Alignment, Bolting/Welding, Roofing & Cladding Work of Power house(PH#2) building (Grid 13a to Grid-28) including CCR (i.e. common control room of Unit#02 & Unit#03), Pipe/cable rack along C row for Unit#02, Misc. structural work in T/ O yard area of Unit-2, BOP Pipe Rack & Cable Rack, Compressor Building, Service Building etc and Handling of Materials at BHEL / Client's Stores / Storage yard and transportation AND Structural steel works (i.e. Pre Assembly, Erection, alignment, Bolting and touch-up painting, roofing & Cladding work other allied works) of Ash Handling Plant (AHP) & FGD (LHP& GHP) Steel structure and Associates structure which includes the AHP Compressors houses, pipe racks, belt conveyor structures (BCN),TPs and Scope of work includes supply of all Material (As per TCC and BOQ), Consumables, labour, tools and plants AND fabrication & erection of ash Silos & hoppers at 3x800 MW PVUNL Project Patratu Site Jharkhand.

References:

1. E-Tender Spec No: BHE/PW/PUR/NTPRT-PHA-AHP-FGD-ERECTION/2300
2. Corrigendum-01 dated 13/08/2020 for tender due date extension from 14/08/2020 to 26/08/2020.

Bidders to kindly take note of the following:

AA) Clause No 1.vii of NIT for EMD (Earnest Money Deposit) Amount: Referred clause has been amended as below:

| Existing EMD Amount | Amended EMD Amount |
|---|---|
| Rs. 94,50,000/- (Rupees Ninety Four Lakhs Fifty Thousand only) Important Note: Bidders kindly to take note that EMD (Earnest Money Deposit) shall be furnished by MSE bidders as well, as per the amount and procedure indicated in the NIT/GCC. | Rs 5,00,000/= (Rs Five Lakhs Only) Important Note: Bidders kindly to take note that EMD (Earnest Money Deposit) shall be furnished by MSE bidders as well, as per the amount and procedure indicated in the NIT/GCC. |

Note: EMD is to be submitted in the form & manner as mentioned in the NIT of tender.

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BB) ISSUANCE OF CLARIFICATIONS:

| Sl No | NIT Clause ref | | Bidder's Query | BHEL Clarifications |
|-------|-------------------|--|---|---|
| 1 | BOQ Sl No. G2302 | Fabrication of structural steel including blast cleaning, providing & applying primer, providing and applying intermediate, finish coat of paint (cost of blast cleaning, providing & applying primer, intermediate coat as per specification is included in this item. Finish coat of paint shall be paid separately as per item no A2304), etc. all complete as per specification and drawings BOQ Quantity : 100 MT | Qty. specified under BOQ Item No A2304 is 166.19 MT Request you to kindly confirm the quantities provided under Sl. No. A2304 as the same cannot be co-related. | Fabrication of structure shall be carried out at site, if required. The BOQ item no G2302 includes the Fabrication, blasting, painting of fabricated structures upto finish coat of paint hence BOQ Item A2304 is not applicable for Item no G2302. Therefore, description of BOQ item No G2302 is amended as: "Fabrication of structural steel of grade E250/E350 in Rolled/built up section/combination of both at site conforming to IS:2062, in structural members including blast cleaning, providing & applying primer, providing and applying intermediate, finish coat of paint (cost of blast cleaning, providing & applying primer, intermediate coat & finish coat as per specification is included in this item. Finish coat of paint shall be paid separately as per item no A2304), visual inspection, non-destructive and special testing, rectification and correction of defective welding works, production test plate, inspection and testing, protection against damage in transit, stability of structures, temporary structures (weight of temporary structures not payable), etc. all complete as per specification and drawing. (BHEL will supply Structural Steel at site free of cost as per TCC)" |
| 2 | BOQ Sl. No. G2303 | Fabrication of ash Silos at Site. including blast cleaning, providing & applying primer, providing and applying intermediate, finish coat of paint (cost of blast cleaning, providing & | Qty. specified under BOQ Item No A2304 is 166.19 MT . Request you to kindly confirm the quantities | Fabrication of Ash Silos shall be carried out at site which includes the Fabrication, blasting ,painting upto finish coat hence BOQ Item A2304 is not applicable for Item no G2303 . Therefore, description of BOQ item No G2303 is Amended as: "Fabrication, of ash Silos at Site. Fabrication of structural steel of grade E250/E350 in Rolled/built up section/combination of both at site |

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| | | applying primer, intermediate coat as per specification is included in this item. Finish coat of paint shall be paid separately as per item no A2304),.....complete as per specification and drawing. BOQ Quantity : 2500 MT | provided under Sl. No. A2304 as the same cannot be co-related. | conforming to IS:2062, in structural members including blast cleaning, providing & applying primer, providing and applying intermediate, finish coat of paint (cost of blast cleaning, providing & applying primer, intermediate coat & Finished Coat as per specification is included in this item. Finish coat of paint shall be paid separately as per item no A2304), visual inspection, non-destructive and special testing, rectification and correction of defective welding works, production test plate, inspection and testing, protection against damage in transit, stability of structures, temporary structures (weight of temporary structures not payable), etc. all complete as per specification and drawing. Erection of Silo shall be regulated under BOQ Item A2301. (BHEL will supply Structural Steel at site free of cost as per TCC)" |
| 3 | BOQ Sl. No. F2301 | Collection and Transportation of factory fabricated parts from BHEL store and assembly ,installation and Erection of structural steel application of final finish paint coat (Payment for final coat of payment shall be made separately as per Item No. C2304) BOQ Quantity : 11850 MT | Qty. not specified under BOQ Sl. No. C2304 Request you to kindly confirm the quantities provided under Sl. No C2304 as the same cannot be co-related. | All PH & AHP structures/ components shall be supplied from workshops with finish coats of paint. Therefore, final painting is not applicable in the scope of contractor. However touch up painting (wherever required), incidental to the work, shall be in the scope of the contractor, including supply of the required paints and primers and associated consumables. Though the final painting is not there in the scope of the contractor, in case any shop painted structure/component is required to be repainted due to the reasons such as during transportation, storage & mishandling, damage during erection process, other reasons incidental to the work etc, such re-painting/finish painting of the components/structures shall be in the scope of the contractor including the supply of paints and primers along with all required |

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| | | | | <p>consumables & deployment of tools e.g. wire brush, paint brush, Spray M/c, cleaning agents etc.</p> <p>Therefore, description of BOQ item No F2301 is amended as:</p> <p>“Collection and Transportation of factory fabricated parts from BHEL store and assembly ,installation and Erection of structural steel [of mild steel/High strength steel rolled section / built up section / combination of both conforming to IS:2062, pipe sections] true to line, level, plumb & dimension, rectification if any, including collection of factory fabricated parts from BHEL store and assembly, installation of erection/connection bolts and application of final finish paint coat (Payment for final coat of payment shall be made separately as per Item No. C2304) as per approved drawing, specification and approval of engineer in charge. HSFG bolts/washer/nut will be supplied free of cost by BHEL to the bidder. Erection bolts shall be arranged by the bidder and is not payable. the work shall be satisfactorily completed with required tightening of HSFG bolts along with DTI (DIRECT TENSION INDICATOR) washers to be supplied by the bidder(Cost of DTI washer is included in this item and not payable). The prefabricated structure shall be supplied in variable length to the maximum length of 10 meters -12 meters and all erection work on ground or at any elevation is included in this item. Payment shall be made for weight of structure, HSFG nuts, bolts & splice plate but not for erection bolts & nuts, DTI washers, gusset plates, stiffeners etc.</p> |

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| | | | | (Payment break-up: Pre Assembly:-20%, Erection:-40%, Alignment, bolt tightening/welding:-30%, Completion of structure:-10%) |
| 4 | BOQ Sl. No. G2301 | <p>Installation of bolted type bolted type splices for joining pre-fabricated structural parts (Beams, columns, roof trusses, struts, ties, bracings etc.) supplied by BHEL manual / blast cleaning, providing and application of primer, paint etc. all complete..... Manual / blast cleaning of steel surface, application of primer and paint including supply shall be paid separately as per Item No.A2303/A2302, A2304, B2304 & C2304.....</p> <p>BOQ Qty : 143.1 MT</p> | <p>Qty. specified under BOQ Sl. No. A2304 is 166.19 MT</p> <p>Qty. specified under BOQ Sl. No. B2304 is 166.19 MT</p> <p>Qty. not specified under BOQ Sl. No. C2304</p> <p>Request you to kindly confirm the quantities provided under Sl. No. A2304, B2304 and C2304 as the same cannot be co-related.</p> | <p>All PH & AHP structures/ components shall be supplied from workshops with finish coats of paint. Therefore, final painting is not applicable in the scope of contractor. However touch up painting (wherever required), incidental to the work, shall be in the scope of the contractor, including supply of the required paints and primers and associated consumables.</p> <p>Though the final painting is not there in the scope of the contractor, in case any shop painted structure/component is required to be repainted due to the reasons such as during transportation, storage & mishandling, damage during erection process, other reasons incidental to the work etc, such re-painting/finish painting of the components/structures shall be in the scope of the contractor including the supply of paints and primers along with all required consumables & deployment of tools e.g wire brush, paint brush, Spray M/c, cleaning agents etc.</p> <p>Therefore, description of BOQ item No G2301 is amended as:</p> <p>"Installation of bolted type bolted type splices for joining pre-fabricated structural parts (Beams, columns, roof trusses, struts, ties, bracings etc.) supplied by BHEL including welding of main</p> |

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| | | | | structural members as per drawing, ,cutting if required, grinding, machining, preparing smooth surface for splicing, welding splice over welded structural member etc complete as per fabrication drawing , electrodes and other consumables for welding, alignment, manual/blast cleaning, providing and application of primer, paint etc. all complete. Weight of splice plates along with weight of structural members on either side of joint to maximum extent of 3 meters length or actual length (if lesser than 3 m) shall be payable. Manual/blast cleaning of steel surface, application of primer and paint including supply shall be paid separately as per Item No.A2303/A2302, A2304, B2304 & C2304. |
| 5 | BOQ Sl No C2304 | Providing and applying Finish coat of two-pack aliphatic Isocyanate cured acrylic finish paint (solid by volume minimum 55% $\pm 2\%$) with Gloss retention (SSPC Paint Spec No 36, ASTM D 4587, D 2244, D 523) of Level 2 (after minimum 1000 hours exposure, Gloss loss less than 30 and colour change less than 2.0 ΔE) and minimum 70 micron DFT shall be applied after an interval of minimum 24 hours (from the application of sealer coat), Colour and shade of the coat shall be as approved by the Employer) | Qty. not specified under BOQ Sl. No. C2304 | BOQ Item No C2034 is deleted. |

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| | | over steel sections already having intermediate coats including protection and cleaning, scaffolding etc. all complete as per specification for all structures . | | |
| 6 | Chapter-IV of Vol-IA TCC 'T&Ps AND MME TO BE DEPLOYED BY CONTRACTOR' | | To review/ revise the T & Ps AND MME TO BE DEPLOYED BY THE CONTRACTORS | Tender Condition Shall prevail. |

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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 their offer, a copy of this corrigendum duly Digitally countersigned by the authorized signatory as a token of Bidder's unqualified acceptance of this corrigendum.

BIDDERS MAY PLEASE NOTE THAT SUBJECT TENDER IS E-TENDER AND THE OFFER IS TO BE SUBMITTED ONLY IN E-PROCUREMENT PORTAL → www.bhel.abcprocure.com

BIDDERS WHO HAVE ALREADY SUBMITTED THEIR OFFERS PRIOR TO ISSUANCE OF THIS CORRIGENDUM IN E-TENDER PORTAL ARE REQUIRED TO RE-SUBMIT THEIR OFFER AFTER TAKING COGNIZANCE OF THIS CORRIGENDUM.

Thanking you,
Yours faithfully,

AGM (Purchase)