

Ref: BHE/PW/PUR/NTPRT- FPS/2343/Corr-04/Clarifications

Dt: 05/03/2021

To,

ALL BIDDERS,

**Sub: Corrigendum-04: Clarification**

**Job:** The scope of work includes Handling at site stores / storage yard, transporting to site, inspection, preassembly, erection, alignment, welding, NDT, fabrication and erection of Tank, fixing of hangers & supports, valves & accessories, hydro testing, surface finish, supply & application of primer & finish paints/ Anti corrosive / Wrapping and coating as per standard as applicable including labelling & flow direction on the piping, pre-commissioning, commissioning, trial operation & handing over to customer for PIPING OF FIRE PROTECTION SYSTEM AND FIRE WATER PUMP HOUSE EQUIPMENTS and associated items /systems, including of TAC / NFPA approval for 3x800 MW PATRATU PROJECT Ph-1 at 3x800 MW PATRATU PROJECT Ph-1

**Reference:**

1) E-Tender Specification Number: BHE/PW/PUR/NTPRT- FPS/2343

Bidders to kindly take note of the following:

**AA) Clarifications**

S.No.	Reference clause of Tender Document	Existing provision	Bidder's query	BHEL's clarification
1	Tender Notice 1/87 of 159/ Sl.No. B 27	<b>System Description:</b> Commissioning spares	As supply of material is not in our scope, hence commissioning spare is also not applicable to us. Kindly clarify	Commissioning spare supply shall be in BHEL's scope.
1	Tender Notice 1/87 of 159/ Sl.No. C 1	<b>System Description: UG Pipes:</b> Pipes upto 150 NB IS:1239 Part-I and above 150 NB IS:3589. <b>Summary of erection work to be carried out:</b> Wrapping and quoting strictly as per procedure.	Kindly clarify if wrapping and Coating, quoting of Sl.No. C1 is included in Sl.No. C11	Wrapping/coating applicable for all underground piping and it is variable quantity and shall be paid as per price schedule 1B.
2	Tender Notice 1/89 of 159/ Sl.No. C 11	<b>System Description:</b> Wrapping and Coating (4mm) <b>Quantity:</b> 8800 Sq.meter		
3	Tender Notice 1/89 of 159/ Sl.No. C 11	<b>Detailed BOQ for piping and related Equipments System Description:</b> Wrapping and Coating (4mm)	As per detail BOQ wrapping coating is lesser than	Wrapping/coating applicable for all underground piping and it is

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		<b>Quantity:</b> 8800 Sq.meter	14000 Sq.meter and more than 8800 sq.Meter. As supply of material is in vendor scope, there will be a huge variation in price due to this. Kindly clarify which Sq.Meter to consider.	variable quantity and shall be paid as per price schedule 1B.
4	Tender Notice 1/155 of 159	<b>Painting and Wrapping Coating Material Schedule:</b> Wrapping coating material 14000 Sq.meter		
5	Tender Notice 1/83 of 159/ Sl.No. A 12 Vii	<b>System Description:</b> Vent valve and Safety relief valve	Kindly provide the size	Size below 4"(inch)
6	Tender Notice 1/98 of 159/ Sl.No. G 29	<b>System Description:</b> Fasteners <b>Quantity:</b> 1 lot	Please let us know the overall weight of fasteners.	Approx . 50 Ton
7	Tender Notice 1/ 102 of 159/ Sl.No. J2	<b>System Description:</b> 10% of but welded joint	Radiography in tank is done as per API650.In that case Radiography of storage tank will come less than 10% of but weld joint.For piping ,as MOC of piping is IS1239 and IS3589, radiography is not done in general practice.Kindly clarify.	Bidder to follow TCC BOQ sr no-J
8	VoLIE Part 12343/ 3 Of 48/Clause 1.03.00	Water for fire protection system will be drawn from fire water storage tank	Kindly give Diameter and height of tank	Diameter 16.5 mtr & H 13.5 mtr.

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9	Tender Notice 1/ 155 of 159/Point no. 5	<p><b>Painting and Wrapping Coating Material Schedule:</b></p> <p>Fire Water Storage Tanks:</p> <ul style="list-style-type: none"> <li>i) The Contractor shall clean the tank plates and structure steel before erection by wire brushing and air blowing. After erection of tank and hydro testing, tanks are subjected to surface preparation and painting as per procedure.</li> <li>ii) Surface Preparation: Outside/inside surface preparation shall be carried out by shot blasting as per SA2 <math>\frac{1}{2}</math>.</li> <li>iii) Inside surface painting: One coat of epoxy zinc phosphate primer of min. DFT of 30-35 micron followed by three (3) coats of epoxy resin based finish paint with 25 micron as thickness of each coat.</li> <li>iv) Outside surface painting: One coat of epoxy zinc phosphate primer of min. DFT of 30-35 micron followed by three (3) coats of epoxy resin based finish paint with 25 micron as thickness of each coat.</li> <li>v) Outside bottom surface painting: One coat of epoxy zinc phosphate primer of min. DFT of 30-35 micron followed by three (3) coats of coal tar epoxy paint with 25 micron as thickness of each coat.</li> </ul>	We have considered painting for storage tank as per page no. 155 point no. 5	Bidder to follow volume -IA about painting & Wrapping coating material schedule
10	Tender Notice 1/ 157 of 159/Table 2	<p><b>Painting and Wrapping Coating Material Schedule:</b></p> <p>Paints for external surfaces protection of piping / fittings/</p>	We have considered painting for pipe as per	Refer cl no.1.19.10 of tender notice Vol-1A Part -I - Chapter XIX,

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		Structural steel, etc. (Carbon steel /Mild Steel ) to be installed indoor and outdoor	Table 2 page no. 157 of 159. Kindly note there is no any mention of surface preparation. please clarify type of surface preparation.	Painting.

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→ <https://eprocurebhel.co.in>

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)