

Ref No. : PE/PG/RTC/E-6434/2020/CORRIGENDA/04

Date:08.06.2020

CORRIGENDA / ADDENDUM-04

SUBJECT: TENDER ENQUIRY FOR RATE CONTRACT OF PLATE HEAT EXCHANGERS AS PER TECHNICAL SPECIFICATION NO. PE-RC-999-179-N003 (REV 0)

OUR REF: TENDER ENQUIRY NO: PE/PG/RTC/E-6434/2020, Dtd.05.05.2020

Please find BHEL's clarification on vendor's technical query-

BIDDERS QUERY-		BHEL'S CLARIFICATION-
TECHNICAL CLARIFICATIONS		
DOCUMENT REFERENCE	VENDOR OBSERVATION	BHEL REPLY
Clause No. 3.02.00 (i) Drain & vent connection streams complete with isolation valve. Standard Technical specification for PHE, Section IIA : Specs No. : PE-TS-999-179-N001 dtd 02.05.2018	Drain & vent Connection for both Primary (DMCW) & Secondary water (clarified / CW Blowdown) streams shall be the part of piping	At Inlet / Outlet piping of PHE, drain and vent connection including isolation valves shall be in the scope of bidder.
Clause No. 7.02.05 (ii) Standard Technical specification for PHE, Section IIA : Specs No. : PE-TS-999-179-N001 dtd 02.05.2018	Please refer below for our observation on BHEL Standard Quality plan PE-QP-999-179-N004 attached in the Section IIA of the specification. Further, we wish to clarify that no additional test and quantum of check shall be performed by bidder in QAP as agreed prior to award of the contract.	Bidder to follow specification requirement.
Clause No. 6.2 Plate gasket hardness Technical specification for Rate contract of PLATE HEAT EXCHANGER , Section IB , DATASHEET – A ,	Our Gasket are designed to meet the hardness value of 80 +/- 5 Shore hardness which is a superior quality , gasket having shore hardness 65 +/- 5 Deg are soft material which cannot withstand the compression strength of PHE	Material which is superior than purchaser's requirement is acceptable. However onus of proving the superiority lies with the bidder.
2.0 In process Inspection Clause no. 2.1 , Area Measurement of HT plates Remark 2 Standard Quality plan PE-QP-999-179-N004	Inspection of HT Plate area measurement from third party like TUV/ LLOYD shall also be acceptable here. In case same has already been witnessed by BHEL/BHEL TPIA in some earlier projects, the inspection report for the same shall be furnished for BHEL review.	Heat transfer plate area measurement by white light scanning method witnessed by BHEL/ BHEL TPIA in past projects is acceptable subject to type test certificate shall not be more than 5 years old from date of inspection.

	We do not accept BHEL requirement of type test certificate shall not be more than 5 years old from date of inspection as these are our standard PHE model with patent design and no development will be there for a particular model even in 25 years' time. Any change in design/gap/pattern lead to evolvement of new PHE model.	Deviation is not acceptable. Supplier is requested to kindly follow the specification requirement.
2.0 In process Inspection Clause no. 2.1 , Surface Defect & cracks Standard Quality plan PE-QP-999-179-N004	Please clarify if this minimum no. requirement is specific for one PHE or complete lot (Total no. of PHEs in each project). Further, in case of small size PHEs like in FGD projects, we cannot accept the min qty. as 100 nos. it needs to be discussed and revised based on no. of plates in each PHE and in a project.	It is for offered lot per project.
2.0 In process Inspection Clause no. 2.1 , Surface Defect & cracks , Remark 2 Standard Quality plan PE-QP-999-179-N004	Given remark is acceptable for Light box test. However, for DP test, in case any defect is found it is not feasible to offer witness of 100% lot to BHEL & Customer. We propose manufacturer shall conduct DP test on entire lot of plates. BHEL shall witness twice the sample as earlier viz. 4% of the plates randomly selected from the entire lot.	Deviation is not acceptable. Supplier is requested to kindly follow the specification requirement.
Remark No. 6 Standard Quality plan PE-QP-999-179-N004	Repeat test shall be conducted only if there is any defect / leakage attributable to supplier.	Noted.
	Additional Point in Remark : Wherever witness point is there for both BHEL/BHEL TPIA & End Customer/Owner, inspection shall be done jointly. No separate inspection shall be done for a single activity.	Generally joint inspection is carried out by BHEL/BHEL TPI with customer/customer appointed agency. In case customer needs to do inspection separately, supplier shall have to conduct separately.
COMMERCIAL CLARIFICATIONS		
9.0 TERMS OF PAYMENT , Clause no. 9.2.1 (ii) Note General Condition of contract (GCC) Rev 07 dtd 10.01.2020	As per Annexure IX(A) , we understand bidder need to submit document as applicable for FINAL DOCUMENTS LIST i.e. O&M Manual , Final Drawings and Inspection documents. No Documents related to FOR INFORMATION OF BIDDER is required to be submitted to claim 5% security deposit.	Vendors need to submit documents as per Data Sheet C, section IIA, SPECIFICATION NO. PE-TS-999-179-N001 and Annexure IX (A) of GCC Rev 07
11.0 CONTRACT PBG , Clause no. 11.1 General Condition of contract (GCC) Rev 07 dtd 10.01.2020	This is being RC (Rat contract) where individual orders shall be placed by BHEL PEM for specific project. We understand PBG is not applicable as per given clause where PO value (cumulative value of contract – main supply, services, mandatory spares, etc.) is less than Rs. 25 Lakhs (excluding taxes, duties and freight).	Bidders to follow clause no 31 of NIT
11.0 CONTRACT PBG , Clause no. 11.2 General Condition of contract (GCC) Rev 07 dtd 10.01.2020	In case separate order is placed by BHEL PEM for mandatory spares BG for cumulative value of contract value cannot be issued as mandatory spare supplies are open ended which solely depend on clearance by BHEL / End customer and approval of BBU which may also took 3-4 years from the main supplies.	Please follow clause no 11 of GCTC, GCC Rev 07

12.0 GUARANTEE FOR EQUIPMENT , Clause no. 12.2(a) General Condition of contract (GCC) Rev 07 dtd 10.01.2020	No clear dates are being mentioned in SCC and warranty cannot be agreed for open ended period. So Guarantee / Warranty shall be eighteen (18) months from the date of last dispatch only.	No customer specific SCC applicable for this tender.
--	--	--

All bidders are requested to visit the website www.bhel.com (Tender Notifications Section) OR www.bhelpem.com. All future corrigenda/ amendment and due date extension, if any, for this tender shall be hosted only on above websites.

Thanking You,

**With Regards,
For & on behalf of BHEL**

**SUMEET SAHAY
DY.MGR/CMM**

Please reply to:

**Sh SUMEET SAHAY
DY.MGR/CMM**

Power Project Engineering Institute Building
HRD & ESI Complex Plot No. 25, Sector -16 A,
BHEL-PEM,Noida-201301 (U.P.)
Tel No.0120-4213532, 09999498202

Page 1 of 1