

ANNEXURE-A TENDER ENQUIRY 20260SB030						
BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPPALLI						
OUTSOURCING						
Pre-Qualification Requirements (PQR) for CS, P12 Pipe Headers Fabrication						
Supplier Name:						
Office Address:						
Factory Address:						
Contact details (Email id & Phone Number):						
Prior Experience: The vendor shall provide EVIDENCE of previous successful completion experience in Vendor's SHOP fabricating Headers/piping products applicable to Utility/Industrial boilers in accordance with the Indian boiler regulations (IBR)/American Society of Mechanical Engineers (ASME) / Equivalent international codes. Evidence of Previous Successful Completion experience in Carbon Steel (OR) Alloy Steel (P11,P12,P22,P91,P92) products as per above criteria.						
Part-A - (Mandatory)						
Sl No	Paramter for evaluation	MINIMUM REQUIRED	Details of facility available with Supplier (Supplier to fill this column)	Actual Observed in Assessment (BHEL use)	Remarks (BHEL Use)	
	LAND DETAILS :					
1	Land area (If land is taken under lease, registered lease deed for 3 yrs period is required)	0.5 Acres				
2	Covered shed area - with concrete flooring	8000 sq.ft				
3	Fencing/compound wall	All around				
	EB POWER					
4	Power capacity	75 to 100 HP				
	HANDLING FACILITIES					
5	Material handling crane capacity with stability certificate (Mobile crane / A frame / EOT)	20 MT in a Bay (Mobile crane may be owned or under lease)				
	SPECIFIC MACHINES :					
6	Auto welding machine (SAW) (800 A)	1 No				
7	Rectifier/inverter welding m/c for SMAW process.	4 Nos				
8	TIG welding machines	2 Nos				

SI No	Paramter for evaluation	MINIMUM REQUIRED	Details of facility available with Supplier (Supplier to fill this column)	Actual Observed in Assessment (BHEL use)	Remarks (BHEL Use)	
9	Tube boring and chamferring machine	2 Nos				
10	PMI (Spectrotesting machine/XRF analyzer with calibration) - portable type	Inhouse/outourced				
11	Preheating/post heating - fuel and burner facilities	Required. Details of available facilities to be furnished				
12	Heat treatment furnace with IBR approval & with valid calibration	Inhouse/outourced (Valid IBR Calibrated furnace to be used). Vendor To Specify.				
13	Mechanical Correction of Bow in a header	Bow correction through mechanical means. Press is Preferred. Vendor to specify the method of mechanical bow correction.				
14	Hydro testing pumps (with calibrated gauges) - min 600 Kg/sq.cm	1 No				
15	IBR qualified welders. CS/AS	Personnel qualification mandatory for all welding processes in pressure parts. Vendor To Specify the No of IBR Qualified Welders available in CS/AS Category.				
16	Firm approval for boiler pressure parts by IBR	A must				
17	Pipe boring and chamferring machine	Inhouse/outourced. Vendor To Specify				
18	Horizontal boring	Inhouse/outourced. Vendor To Specify				
19	Painting facility	Details of available facilities to be furnished				
20	Stands and supporting stands	Details of available facilities to be furnished				
21	Positioner with V Block	Details of available facilities to be furnished				
22	Compressor for Test facility	1 No				
23	Temperature Control - Pyrometer / Heat spy/ Thermo chalk	1 set				
24	Tube cutting machine (SAW cutting)	1 No				
	OVEN:					
25	Flux baking oven	1 Nos				
26	Electrode baking oven	1 No				
27	Electrode holding oven	1 No				
28	Flask Oven	3 Nos				
	INSPECTION FACILITIES					
29	MPI Unit (wet fluorescent with yoke & dry) with calibration block (Prod type - 1000 A)	1 No				
30	LPI Kit	1 Set				

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31	Qualified NDE personnel - Level - II for PT, MT, UT & RT	1 person for each category				
32	NDE facility for UT & RT with IBR approval.	Inhouse/outourced (IBR approval is mandatory for the testing facility) High energy sources to Radiograph PIPES.				
33	MEASURING INSTRUMENTS					
34	Measuring tape 5m,30m *	1 No each				
35	Vernier caliper - 300 mm	1 No				
36	Paint coating thickness meter	1 No				
37	D meter (for thickness checking)	1 No				
38	Hardness tester	1 No				
39	Video Boroscope for Inside inspection	1 No				
	GRINDING & DRILLING MACHINES:					
40	Grinding M/Cs (AG 7 & AG 5)	5 Nos each				
41	Radial drilling Machine	1 Nos.				
	PAN & GST :					
42	IT Pan Card No	Original to be offered for verification				
43	GST No	Original to be offered for verification				
44	OFFICE ROOM :					
45	Office room with 2 PC/ Laptop, internet facility.					

NOTE_1:

* Tapes upto 5 m - Class II accuracy, above 5 m - Class I accuracy

A. Items in SI No. 6 to 8, 10,12,14,23,25 to 28, 34 to 38 & 29 (Tapes - one time calibration) must have valid calibration certificate from any NABL accredited lab.

B. For SI No. 12,17,18 & 32 Valid agreement for facility tie-up must be produced.

C. For mobile cranes under lease, valid lease document must be produced at the time of spot assessment.

Part - B (Optional)

1	Tube bending machine - capable of bending 76.1 mm dia tubes	1 No				
2	Standby Generator	--				
3	Stenciling/Engraving/Dot punching facility	--				

Part-C: Final Recommendation (for BHEL use only)

Recommendation after checklist verification:

SI No	Paramter for evaluation	MINIMUM REQUIRED	Details of facility available with Supplier (Supplier to fill this column)	Actual Observed in Assessment (BHEL use)	Remarks (BHEL Use)	
Recommendation after checkiist verification:						
Date of spot assessment:						
Recommendation after spot assessment:						
Assessor.1- TCA (Spot assessment):			Assessor.2- Co-assessor (Spot assessment):			
NOTE_2:						
01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and all mandatory facilities shall be available at the time of spot assessment					
02	Part-B is only optional and need not be considered for disqualifying the vendor.					