

TENDER ENQUIRY 2026OSB058



BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPPALLI

OUTSOURCING DEPARTMENT

ANNEXURE-A | Pre-Qualification Requirements (PQR) for CFBC Header 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 Piping, Links, Headers/Pressure Vessels applicable to Utility/Industrial boilers in accordance with the Indian boiler regulations (IBR)/American Society of Mechanical Engineers (ASME) / Equivalent international codes.

Part-A - (Mandatory)

S#	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)	5 MT in a Bay (Mobile crane may be owned or under lease)				
	SPECIFIC MACHINES :					
6	Rectifier/inverter welding m/c for SMAW process	5 Nos				
7	TIG welding machines	2 Nos				
8	Tube boring and chamferring machine	1 No				
9	PMI (Spectrotesting machine/XRF analyzer with calibration) - portable type	Inhouse/outourced				
10	Preheating/post heating - fuel and burner facilities	Required. Details of available facilities to be furnished				
11	Heat treatment furnace with IBR approval & with valid calibration	Inhouse/Outsourced				

12	Mechanical Correction of Bow in a header	Bow correction through mechanical means. Press is Preferred. Vendor to specify the method of mechanical bow correction.				
13	Hydro testing pumps (with calibrated gauges) - 400 Kg/sq.cm	1 No				
14	IBR qualified welders. CS/AS	Personnel qualification mandatory for all welding processes in pressure parts				
15	Firm approval for boiler pressure parts by IBR	A MUST				
16	Pipe boring and chamferring machine	Facility to edge prepare pipes.				
17	Painting facility	Details of available facilities to be furnished				
18	Stands and supporting stands	Details of available facilities to be furnished				
19	Positioner with V Block	Details of available facilities to be furnished				
20	Compressor for Test facility	1 No				
21	Temperature Control - Pyrometer / Heat spy/ Thermo chalk	1 set				
22	Tube & Pipe cutting machine (SAW cutting)	1 No				
	OVEN:					
23	Flux baking oven	1 Nos				
24	Electrode baking oven	1 No				
25	Electrode holding oven	1 No				
26	Flask Oven	5 Nos				
	INSPECTION FACILITIES					
27	MPI Unit	1 No				
28	LPI Kit	1 Set				
29	Qualified NDE personnel - Level - II for PT, MT, UT & RT	1 person for each category				
30	NDE facility for UT & RT with Own/BHEL approved facility.	Inhouse/outsourced (IBR approval is mandatory for the testing facility)				
31	Boroscope for inside inspection	1 No.				
	MEASURING INSTRUMENTS					
32	Measuring tape 5m,30m *	1 No each				
33	Vernier caliper - 300 mm	1 No				
34	Paint coating thickness meter	1 No				
35	D meter (for thickness checking)	1 No				
36	Hardness tester	1 No				
37	Video Boroscope for Inside inspection	1 No				
	GRINDING & DRILLING MACHINES:					
38	Grinding M/Cs (AG 7 & AG 5)	5 Nos each				
39	Radial drilling Machine	1 No.				
	PAN & GST :					
40	IT Pan Card No	Original to be offered for verification				
41	GST No	Original to be offered for verification				
42	OFFICE ROOM :					
43	Office room with 2 PC/ Laptop, internet facility.	2/3				

NOTE_1:						
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:						
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.					