

 ANNEXURE-D						
BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPPALLI						
OUTSOURCING						
2026OVM002-ANNEXURE-A: Pre-Qualification Requirements (PQR) for CFBC/Industrial Boiler Drum Fabrication						
Supplier Name:						
Office Address:						
Factory Address:						
Contact details (Email id & Phone Number):						
<p>Prior Experience: The vendor shall provide EVIDENCE of previous successful completion experience in Vendor's SHOP fabricating Boiler Drum/Pressure vessels applicable to Utility/Industrial boilers in accordance with the Indian boiler regulations (IBR)/American Society of Mechanical Engineers (ASME) / Equivalent international codes.</p>						
Part-A - (Mandatory)						
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)	
	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)	50 MT in a Bay (Mobile crane may be owned or under lease)				
	SPECIFIC MACHINES :					
6	Shell & Dished end plates forming - Rolling machine/Pressing Facility	1No (In-house facility/Out Sourced) Capable of bending/rolling 60 mm thick SA515Gr70 plate				
7	Auto welding machine (SAW)	2 No				

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)	
8	Rectifier/inverter welding m/c for SMAW process	10 Nos				
9	MIG welding machines	2 Nos				
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 or Outsourced facility: Requirement: 2 m X 2 m capability to handle length of 14 m. Temperature range: 890-910 °C. (For normalising of U shells and Dished Ends) 595-625 °C (For PWHT) (Width & Breadth is indicative only. To decide based on available capacity during evaluation)				
12	Hydro testing pumps (with calibrated gauges) - min 150 Kg/sq.cm	1 No				
13	IBR qualified welders. CS/AS	Personnel qualification mandatory for all welding processes in pressure parts				
14	Firm approval for boiler pressure parts by IBR	Mandatory				
15	Insitu-chamferring machine / Drilling Machine/ Boring Machine for Stubs and Nozzles	Facility to edge prepare Stubs & Nozzles before and after hydro testing of Boiler Drum				
16	Painting facility	Details of available facilities to be furnished				
17	Stands and supporting Rollers	Details of available facilities to be furnished				
18	Positioners	Details of available facilities to be furnished				
19	Temperature Control - Pyrometer / Heat spy/ Thermo chalk	1 set				
20	Tube & Pipe cutting machine (SAW cutting)	1 No				
21	Pug cutting machine - Heavy duty	1 No.				
22	Grinding M/Cs	10 Nos each				
23	Radial drilling Machine	2 Nos.				
	OVEN:					
24	Flux baking oven	1 Nos				
25	Electrode baking oven	1 No				

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)	
26	Electrode holding oven	1 No				
27	Flask Oven	5 Nos				
	INSPECTION FACILITIES					
28	MPI Unit dry with calibration block (Prod type - 1000 A)	1 No				
29	LPI Kit	1 Set				
30	Qualified NDE personnel - Level - II for PT, MT, UT & RT	1 person for each category				
31	NDE facility for UT & RT with IBR approval.	Inhouse/outsourced (IBR approval is mandatory for the testing facility) Energy sources to Radiograph upto pipe thickness 60 mm.				
	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				
	PAN & GST :					
36	IT Pan Card No	Original to be offered for verification				
37	GST No	Original to be offered for verification				
	OFFICE ROOM :					
38	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. 11,12, 24 to 27, 32-35 (Tapes - one time calibration) must have valid calibration certificate from any NABL accredited lab.

B. For SI No. 30-31 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	Standby Generator	--				
2	Stenciling/Engraving/Dot punching facility	--				

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

Recommendation after checklist verification:

Annexure -A
(PQR)

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)	
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.					