

BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPPALLI
OUTSOURCING

2026OSB057-ANNEXURE-A

Pre-Qualification Requirements (PQR) for fabrication of Gasifier Equipment Sub Assemblies

Supplier Name:

Office Address:

Factory Address:

Contact details (Email id & Phone Number):

Prior Experience: The vendor shall have proven experience in the successful fabrication of pressure vessels in their own works in accordance with the American Society of Mechanical Engineers (ASME) Code or equivalent internationally recognized codes/standards. The vendor shall submit documentary evidence of such experience, such as purchase orders, completion certificates, inspection release notes, or other relevant records, for verification.

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)	60 MT in a Bay (Mobile crane may be owned or under lease)			
	SPECIFIC MACHINES :				
6	Shell forming - Rolling machine	1No (In-house facility/Out Sourced) Capable of bending/rolling 85 mm thick SA387GR11CL2 plate			

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)
7	Auto welding machine (SAW)	4 No			
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 valid calibration	Inhouse or Outsourced facility: Requirement: 5.5 m X 5.5 m capability to handle length of 7 m. Temperature range: 650-670 °C (For PWHT) (Width & Breadth is indicative only. To decide based on available capacity during evaluation)			
12	ASME qualified welders. CS/AS	Personnel qualification mandatory for all welding processes in pressure parts			
13	Valid ASME U Stamp	Mandatory			
14	Insitu-chamferring machine / Drilling Machine/ Boring Machine for Stubs and Nozzles	Facility to edge prepare Stubs & Nozzles.			
15	Stands and supporting Rollers	Details of available facilities to be furnished			
16	Positioners	Details of available facilities to be furnished			
17	Temperature Control - Pyrometer / Heat spy/ Thermo chalk	1 set			
18	Tube & Pipe cutting machine (SAW cutting)	1 No			
19	Pug cutting machine - Heavy duty	4 No. (For Edge preparation of Shell plates)			
20	Grinding M/Cs	10 Nos each			
21	Radial drilling Machine	2 Nos.			
	OVEN:				
22	Flux baking oven	2 Nos			
23	Electrode baking oven	2 No			

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24	Electrode holding oven	2 No			
25	Flask Oven	10 Nos			
	INSPECTION FACILITIES				
26	MPI Unit dry with calibration block (Prod type - 1000 A)	1 No			
27	LPI Kit	1 Set			
28	Qualified NDE personnel - Level - II for PT, MT, UT & RT	1 person for each category			
29	NDE facility for UT & RT	Inhouse/outourced Energy sources to Radiograph upto pipe thickness 80 mm.			
	MEASURING INSTRUMENTS				
30	Measuring tape 5m,30m *	2 No each			
31	Vernier caliper - 300 mm	2 No			
	PAN & GST :				
32	IT Pan Card No	Original to be offered for verification			
33	GST No	Original to be offered for verification			
	OFFICE ROOM :				
34	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, 22 to 25, 30-31 (Tapes - one time calibration) must have valid calibration certificate from any NABL accredited lab.
B. For SI No. 28-29 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:

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)
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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.