

**BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPALLI****OUTSOURCING**

428/004; 01.02.2017

2026OSB076-Annexure-A [Pre Qualification Requirement for Fabrication of Gasifier Dished End- RS01 & RS02]**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 Dished ends 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	Minimum 100 HP			
	HANDLING FACILITIES				
5	Material handling crane capacity with stability certificate (Mobile crane / A frame / EOT)	12 MT in a Bay (Mobile crane may be owned or under lease)			
	APPROVALS :				

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)
6	Firm approval - Valid ASME U Stamp holder	A must			
7	ASME qualified welders Alloy Steel	Personnel qualification mandatory for all welding			
8	Qualified NDE personnel - Level - II for PT, MT, UT & RT	1 person for each category			
9	NDE facility for UT & RT with High energy sources to Radiograph heavy thickness pipes.	Inhouse/outourced (BHEL approval is mandatory for the			
	FACILITIES FOR PREPARATION ACTIVITIES				
10	Pug cutting machine - Heavy duty (For Blank preparation and edge preparation activities)	1 No (Capable to cut plate of thickness upto 80 mm)			
11	PMI (Spectrotesting machine/XRF analyzer with calibration) - portable type	Inhouse. Vendor to Specify.			
	FACILITIES FOR WELDING ACTIVITIES				
12	Temperature Control - Pyrometer / Heat spy/ Thermo chalk	Details of available facilities to be furnished			
13	Preheating/post heating - fuel and burner facilities	Details of available facilities to be furnished.			
14	Auto welding machine (SAW) (800 A) (For Blank plate chordal joint formation and Crown, Petals welding based on applicable forming process)	1 No			
15	SMAW Welding Machines	2 Nos			
16	Grinding M/Cs (AG 7 & AG 5)	2 Nos each			
	FACILITIES FOR PRESSING AND HEAT TREATMENT				

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)
17	Hydraulic Press / Flanging machine/ Dishing machine / Spinning machine (Capable of forming Dished end of thickness 75 mm as single formed dished end or crown and petals process)	1 No Vendor to specify the facility available along with method of manufacturing			
18	Heat treatment furnace with valid calibration	Requirement: 2 M hieght x 4 M Wide x 4 M Depth Temperature range: 925 Deg C - 1010 Deg C - Blank heating for hot forming 920 Deg C - 950 Deg C - For Normalising 640 Deg C - 670 Deg C - For Tempering (Width & Breadth is indicative only. To decide based on available capacity during evaluation)			
	OTHER COMMON FACILITIES				
19	Flux baking oven	1 No			
20	Electrode baking oven	1 No			
21	Electrode holding oven	1 No			
22	Flask Oven	2 Nos			
	INSPECTION FACILITIES				
23	MPI Unit (wet fluorescent with yoke & dry) with calibration block (Prod type - 1000 A)	1 No			
24	LPI Kit	1 Set			
	MEASURING INSTRUMENTS				

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)
25	Measuring tape 5m *	1 No each			
26	Hardness tester	1 No			
	PAN & GST :				
27	IT Pan Card No	Original to be offered for verification			
28	GST No	Original to be offered for verification			
	OFFICE ROOM :				
29	Office room with 2 PC/ Laptop, internet facility.				

NOTE_1:

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

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

B. For facilities where outsourcing is allowed, valid Tie-up agreement shall be submitted.

Part - B (Optional)

1	Standby Generator				
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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
02	Part-B is only optional and need not be considered for disqualifying the vendor.

PREPARED BY

REVIEWED BY

APPROVED BY