

		BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPALLI				
OUTSOURCING						
428/004; 01.02.2017		Pre Qualification Requirement for Radiant Roof Panels (RRP) and Terminal Tube Bends with fin welding				
Vendor Name, Address and Contact No.:						
Report of past experience in fabrication of Radiant Roof Panels / Terminal Tube Bends with fin welding / water wall panel / RH/SH/ECO coils with attachment welding with IBR approval.						
Spot assessment date:						
Part-A (Mandatory)						
SI No	Parameter for evaluation	Minimum required	As given by Firm	As observed in Audit	Remarks	Ok/Not Ok
	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 with concrete flooring	3229 sq. ft				
	EB POWER					
3	Power capacity	100 HP				
	HANDLING FACILITIES					
4	Material handling crane capacity with stability certificate (A frame / EOT / Mobile crane)	10 MT				

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	SPECIFIC MACHINES :					
5	(SMAW)Welding M/c 400 Amps Inverter / Rectifier	4 Nos				
6	TIG welding machines for tube butt joints	2 Nos				
7	Tube bending machine - capable of bending up to 76.1 mm dia tubes.	1 No				
8	Tube boring and chamferring machine	2 Nos each				
9	Spectrotesting machine - Portable type	In-house or Outsourced				
10	Preheating/post heating - fuel & burner facilities	1 No. for each welding centre				
11	Heat treatment furnace with IBR approval & with valid calibration - 4m X 4m capacity to handle length of 16 to 24m. Temperature range : 600-780°C	Inhouse / Outsource/BHEL				
12	Local SR facility with IBR approval & with valid calibration	Inhouse / Outsource				
13	Hydro testing pumps - 550 Kg/Sq Cm with calibrated pressure gauges	1 No				
14	Firm approval by IBR for boiler pressure parts	Must be available				
15	Ball & Sponge Test Facility with compressor	1 No				
16	Spray painting facility	1 No or Outsourced from BHEL approved source.				
17	D-Meter (for thickness checking)	1 No or Outsourced from BHEL approved source.				
18	Layout marking facilities required	1 No				
	OVEN					
19	Electrode Baking oven	1 No				
20	Electrode Holding oven	1 No				
21	Flask oven	3 Nos				

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	INSPECTION FACILITIES					
22	LPI Kit	1 Set				
23	Level II LPI,MPI and UT,RT (if UT/RT is in house) qualified personnel with valid certificate	1 Person for each type.				
24	UT, RT	In-house or Outsourced from IBR approved firms				
25	IBR qualified welders for CS/AS	1 person for each category				
	MEASURING INSTRUMENTS					
26	Measuring tapes - 5m, 30m *	1 No each				
27	Vernier caliper - 150 mm	1 No				
28	Paint coating thickness meter	1 No or Outsourced from BHEL approved source.				
	GRINDING MACHINES:					
29	Tube cutting machine	1 No				
30	Grinding machines	3 Nos				
	PAN & GST :					
31	IT Pan Card No	Original to be offered for verification				
32	GST No	Original to be offered for verification				
	OFFICE ROOM :					
33	Office room with 2 PC / LAPTOP , internet facility and printer	Must				
Part-B (Optional)						
01	Gen. set	--				
02	Stenciling/Engraving/Dot punching facility	--				
03	Stud welding machine	--				

NOTE_1:

- A. All Measuring instruments/gauges (Tapes - one time calibration) must have valid calibration certificate from any NABL accredited lab.**
B. For any outsourced facility mentioned as per checklist, earlier executed POs or valid agreement for facility tie-up must be produced

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

Recommendation after checklist verification:

SI No	Parameter for evaluation	Minimum required	As given by Firm	As observed in Audit	Remarks	Ok/Not Ok
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.					