

Annexure-A - 2023OVM013
(Pre-Qualification Requirements - Technical)

BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPALLI						
OUTSOURCING						
Pre Qualification Requirements for CEILING GIRDER						
Vendor Name, Address and Contact No.:						
Spot assessment date:						
Part-A - (Mandatory)						
Minimum experience required for Ceiling girders fabrication						
1	Report of past experience in fabricating similar jobs (Min 20 MT as assembly using plate above 40 mm thro' SAW process) for power projects of at least 250MW / other projects' structures accompanied by P.O copies, inspection report with dimensions issued by customer (or) client or track record for at least 2 BHEL - POs or 100MT completion for Auto welded Beams/Buckstays .					
2	Spot evaluation of firm's quality (if qualified) including firm's personnel by BHEL on fulfilling the above requirement.					
Part-A1 - (Mandatory)						
Sl No	Paramter 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)	0.9 acres				
2	Fencing/Compound wall	All around				
3	Covered Shed	18m x 40m or 720 sq.m with minimum width of 18 m; minimum height between ground to bottom base of crane - 8 m				
EB POWER						
4	Power capacity	100 HP (3 phase)				
HANDLING FACILITIES						
5	Material handling crane facility (EOT/ Gantry)	To Handle 80 MT Single piece Single crane of 80 MT capacity (Mandatory) or Combination of minimum two cranes with minimum capacity of 40 MTs each. (Mandatory) Additional Crane for handling support (Optional)				

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SI No	Paramter for evaluation	Minimum required	As given by Firm	As observed in Audit	Remarks	Ok/ Not Ok
6	Track length for crane movement inside the covered shed	30 m				
SPECIFIC MACHINES						
7	Auto welding M/C(SAW) with track facility and 45 degree fixtures	2 Nos, Min 800 amps, track of min 20 m continuous length				
8	(SMAW)Welding M/c 400 Amps Inverter	5 Nos				
9	Pre heating & post heating	Burner with minimum length of 15 m.				
10	Post welding heat treatment facilities (Electrical resistance heating upto 40 mm and induction heating above 40 mm)	Inhouse / Outsourced - BHEL approved source				
OVEN						
11	Flux baking oven (1 No. for each SAW Autowelding work station)	2 Nos				
12	Electrode baking oven	1 No				
13	Electrode holding oven	1 No				
14	Flask Oven	3 Nos				
INSPECTION FACILITIES						
15	MPI Unit with calibration block (Prod type - 1000 A)	1 No				
16	LPI Kit	1 Set				
17	Level II LPI/MPI qualified Personnel with valid certificate	1 Person for each type.				
18	UT/RT facility with qualified personnel	Inhouse / Outsourced - BHEL approved source only				
MEASURING INSTRUMENTS						
19	Tape 3m,5m,20m*	each 2 Nos				
20	Vernier 0-200mm	1 No				
21	Feeler gauge	1 No				

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Sl No	Paramter for evaluation	Minimum required	As given by Firm	As observed in Audit	Remarks	Ok/ Not Ok
22	Weld fillet gauge 25 MM	1 No				
23	Try square	1 No				
24	Spirit level	1 No				
25	Water level checking arrangement	1 No				
26	DFT Meter for painting	1 No				
CUTTING & DRILLING MACHINE:						
27	Bug Cutting M/c	2 Nos				
28	Manual Cutting torch	2 Nos				
29	Drilling machine (Min 25 mm dia)	2 Nos				
GRINDING MACHINE						
30	Bench Grinding	1 No				
31	Manual / portable grinding machine (AG)	2 Nos				
BLASTING & PAINTING						
32	BLASTING & PAINTING FACILITY (If Inhouse submit the checklist for blasting and painting. Download checklist from https://supplier.bhel.in)	Inhouse / Outsourced from BHEL approved source.				
PAN & GST :						
33	IT Pan Card No	Original to be offered for verification				
34	GST No	Original to be offered for verification				
OFFICE ROOM :						
35	Office room with 2 PC , internet facility and printer	Must				
MATERIAL ACCOUNTING (For OVM)						
36	Raw Material Clearance System	Day Book Entry system or likewise.				

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37	Raw Material Testing	Access to testing labs of BHEL or any other NABL approved lab.				
NOTE:						
* Tapes up to 5 m - Class II accuracy, above 5 m - Class I accuracy						
A. Items in Sl.no: 7, 11 to 14, 19 to 22 (Tapes - one time calibration) must have valid calibration certificate from any NABL accredited lab.						
B. For outsourced facilities, earlier executed POs or valid agreement for facility tie-up with BHEL approved source 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					
	Capacity (KVA / HP)					
	Owned or On rent					
2	Stenciling					
3	Punching Machine					
Part-C: Final Recommendation (for BHEL use only)						
Recommendation after checklist verification:						
Recommendation after spot assessment:						
Assessor.1-TCA (Spot assessment):			Assessor.2 - Co-assessor (Spot assessment):			
Important Notes :						
1	Part-A, A1 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					
2	2. Part-B is only optional and need not be considered for disqualifying the vendor.					