



# Annexure A - [PQR FOR NIT 2024OVM003]

BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPPALLI

## OUTSOURCING

### Checklist for Supplier Evaluation

Supplier Name:

Office Address:

Factory Address:

Contact details (Email id & Phone Number):

### Part-A - (Mandatory)

Minimum experience required for qualifying suppliers:

- 01 **Report of past experience (with necessary documentary evidences) in fabricating similar jobs:**  
**A. Columns: Minimum of 100 MT of Columns with web or flange plate of thickness of 40 mm (single piece of such column should be with a minimum weight of 10 MT ) should have been executed by the bidder.**  
**B. A minimum of 500 MT must have been executed by the bidder in a single month in the past 7 years (i.e. since April 2017)**
- 02 **Spot evaluation of firm's quality (if qualified) including firm's personnel by BHEL on fulfilling the above requirement.**

### Part-A1

Sl No	Paramter for evaluation	Minimum Required	Mandatory*	Details of facility available with Supplier (Supplier to fill this column)	Actual Observed in Assessment (BHEL use)	Remarks (BHEL Use)	Ok/Not Ok (BHEL Use)
<b>LAND DETAILS :</b>							
1	Land area (If land is taken under lease, registered lease deed for 3 yrs period is required)	2 Acres (documentary evidence shall be submitted to BHEL)	M				
2	Fencing/Compound wall	All around	M				
3	Covered shed	12M X 14M or 168 sq.m with minimum width of 10 m	M				
<b>EB POWER</b>							
4	Power capacity	100 HP (3 phase)	M				
<b>HANDLING FACILITIES</b>							
5	Material handling crane facility with stability certificate (EOT/A frame/ Gantry / Mobile crane)	30 MT	M				

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	<b>SPECIFIC MACHINES :</b>						
6	Auto welding M/C(SAW) with track facility and 45 degree fixtures	2 Nos, Min 800 amps, track of min 20 mtr continuous length	M				
7	(SMAW)Welding M/c 400 Amps Inverter	5 Nos	M				
8	Hydraulic warpage removal machine (Min 500 MT capacity) or Hydraulic press (Min 500 MT capacity) or Beam straightening machine (Min 500 MT capacity)	1 No	M				
9	End machining (milling or any machining process) set up to obtain rest plate/ cap plate flatness of 0.1 mm accuracy	Inhouse / Outsourced (from BHEL approved source only)					
10	Roller Supports for Individual Column Pieces - Column Assembly	14 Nos. (Open area length Min :85 M)					
11	Pre heating facility	Burner with 15 m minimum length.					
	<b>OVEN:</b>						
12	Flux baking oven (1 No. for each SAW Auto-welding work station)	2 Nos	M				
13	Electrode baking oven	1 No	M				
14	Electrode holding oven	1 No	M				
15	Flask Oven	3 Nos	M				
	<b>INSPECTION FACILITIES</b>						
16	MPI Unit with calibration block (Prod type - 1000 A)	Inhouse / Outsourced (from BHEL approved source only)					
17	LPI Kit	1 Set					
18	Level II LPI/MPI qualified Personnel with valid certificate	1 Person for each type.	M				
	<b>MEASURING INSTRUMENTS</b>						
19	Tape 3m,5m,20m *	each 2 Nos					
20	Vernier caliper 0-200mm	1 No					
21	Feeler gauge	1 No					
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					

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	<b>CUTTING &amp; DRILLING MACHINE:</b>						
26	Pug cutting machine	2 Nos	M				
27	Manual gas cutting torch	2 Nos	M				
28	Drilling machine - Column Assembly	Radial / Column drilling machine - 1 no, Portable (Magnet type) - 2 Nos	M				
	<b>PAN &amp; GST :</b>						
29	IT Pan Card No	Original to be offered for verification	M				
30	GST No	Original to be offered for verification	M				
	<b>BLASTING &amp; PAINTING</b>						
31	BLASTING & PAINTING FACILITY (If Inhouse submit the checklist for blasting and painting. Download checklist from <a href="https://supplier.bhel.in">https://supplier.bhel.in</a> )	Inhouse / Outsourced from BHEL approved source.					
	<b>OFFICE ROOM :</b>						
32	Office room with 2 PC / LAPTOP , internet facility and printer	Must	M				
	<b>MATERIAL ACCOUNTING (For OVM )</b>						
33	Raw Material Clearance System	Day Book Entry system or likewise.	M				
34	Raw Material Testing	Access to testing labs of BHEL or any other NABL approved lab	M				

\* Items marked as mandatory with "M" indicator must be available with the bidder, and physical availability (in proper working condition wherever applicable) should be shown by the bidder to BHEL at the time of spot assessment carried out by BHEL during bid evaluation stage. Non-availability of any of these facilities shall lead to disqualification of the bid submitted by the bidder. For items not marked with "M" indicator, availability of facilities during bid evaluation stage itself is preferred; non-availability of these facilities shall not lead to disqualification of bid submitted by the bidder. However, an undertaking shall be submitted by the bidder to ensure availability of these facilities before proceeding with execution of purchase orders placed by BHEL. Non-availability of these items at the time PO execution may lead to termination of Purchase Orders and/or contract abiding by the respective termination clauses given in the NIT.

**NOTE\_1:**

- A. Items in SI.no: 6, 12 to 16, 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.

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<b>Part - B (Optional)</b>							
1	ISO Certification						
2	Stenciling	Off cuts identification (using metal markers). Spectro machine preferable					
3	Post welding Heat Treatment Facilities (Electrical Resistance upto 40 mm and induction heating above 40 mm)	Inhouse / Outsourced (from BHEL approved source only)					
4	Templates and Shop made gauges	As per product requirements					
5	UT/RT	Inhouse / Outsourced (from BHEL approved source only)					
6	Punching Machine	--					
7	CNC cutting machine	--					
8	<b>Standby Generator</b>	--					
	Capacity (HP)	--					
	Owned or On rent/hire	--					
<b>Part-C: Final Recommendation (for BHEL use only)</b>							
<b>Recommendation after checklist verification:</b>							
<b>Date of spot assessment:</b>							
<b>Recommendation after spot assessment:</b>							
<b>Assessor.1-TCA (Spot assessment):</b>				<b>Assessor.2 - Co-assessor (Spot assessment):</b>			
NOTE 2:							
01	<b>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 facility verification by BHEL</b>						
02	<b>Part-B is only optional and need not be considered for disqualifying the vendor.</b>						