



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

OUTSOURCING DEPARTMENT

TITLE CORRIGENDUM for NIT 29082	Phone: +91 431 257 4210 Email : james@bheltry.co.in
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	Reference Number: Enquiry :NEW VENDORS REQUIRED FOR STEEL FABRICATION WITH VENDOR MATERIAL	Enquiry Date: 24.08.2016	Due date for submission of quotation: 23.08.2017
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You are requested to quote the Enquiry number date and due date in all your correspondences. This is only an invitation for vendor registration and not an order

CORRIGENDUM No. 2

Details of Corrigendum
<p>1. Facility checklists for following products have been revised.</p> <ul style="list-style-type: none">a. Metallic Expansion Bellowsb. Handrailsc. Instrument Tappingd. Punching, pressing, shearing & SS fabrication including welding <p>2. Facility checklist for Rounded corners is added.</p>
<p>All other terms and conditions as published in the NIT_29082 remain unaltered.</p> <p>For any clarifications, please contact: Sub-contractor Development Cell (SCDC) Outsourcing, BHEL, Trichy. Mr. James / Manager (E-mail: james@bheltry.co.in ; Ph: 0431-257 4210) Mr. K G T Suvami /Sr. Engineer (E-mail: kgtsuvami@bheltry.co.in ; Ph: 0431-257 4254)</p>

**BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPALLI****OUTSOURCING****Checklist for vendor evaluation - Metallic Expansion Bellows****Doc No: SVCL:005/03 dated 26.09.2016****Vendor Name and Address:****Spot assessment date:****Part-A (Mandatory)**

SI No	Paramter for evaluation	Minimum Required	As Given by Firm	Actual Observed in Audit	Remarks	Ok/Not Ok
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	Power capacity	75 HP (3 phase)				
4	Covered shed	10m x 10m or 100 sq.m with minimum width of 8 m				
5	Material handling crane capacity with stability certificate (Mobile crane / EOT / A frame)	5 MT				
6	Shearing Machine (4 mm thickness & min 2.5 m width)	1 No				
7	Press Brake / Hydaraulic press with capacity of 50 T, 4 mm thickness & 2.5 m width with appropriate tooling to handle different varities as per drawing	1 No				

SI No	Paramter for evaluation	Minimum Required	As Given by Firm	Actual Observed in Audit	Remarks	Ok/Not Ok
	GRINDING MACHINE:					
8	Manual / Portable - AG 5/7	1 No each				
9	(SMAW) Welding M/c 400 Amps Inverter	2 Nos				
10	Manual gas cutting machine/torch	1 No				
	DRILLING MACHINE:					
11	Drilling machine - dia. 25 mm	1 No				
	INSPECTION FACILITIES:					
12	LPI kit	1 Set				
13	Kerosene leak test facilities	1 No				
14	Level II LPI/MPI qualified Personnel with valid certificate	1 Person				
	MEASURING INSTRUMENTS					
15	Tape 3m,5m,20m	each 2 Nos				
16	Vernier 0-200mm	1 No				
17	Try square	1 No				
18	Sprit level	1 No				
19	Straight Edge	1 No				

SI No	Paramter for evaluation	Minimum Required	As Given by Firm	Actual Observed in Audit	Remarks	Ok/Not Ok
20	IT Pan Card	Original must be offered for verification				
21	TIN No / VAT registration	Original must be offered for verification				
22	Excise Registration Certificate (for OVM vendors)	Original must be offered for verification				
23	Office room with 2 PC , internet facility and printer	Must				
	MATERIAL ACCOUNTING:					
24	Raw Material Clearance System (For OVM Vendors)	Day Book Entry system or likewise.				
25	Raw Material Testing (For OVM Vendors)	Access to testing labs of BHEL or Any other NABL approved lab				

NOTE_1:

A. Items in Sl.no: 15 & 16 (Tapes & Straight edge - one time calibration) must have valid calibration certificate from any NABL accredited lab.

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

SI No	Paramter for evaluation	Minimum Required	As Given by Firm	Actual Observed in Audit	Remarks	Ok/Not Ok
Part-B (Optional)						
1	Horizontal bending using formers for Round corners	1 No				
2	Spectro Testing (AS/SS)	Access to testing labs of BHEL or Any other NABL approved lab				
3	Profile forming tool/die	Inhouse / Outsourced				
4	MPI Unit with calibration block (Prod type - 1000 A)	1 No				
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):			

<u>Important Notes :</u>	
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.

**BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPALLI****OUTSOURCING****Checklist for vendor evaluation - Machining, Instrument Tapping****Doc No: SVCL: 013/02 dated 26.09.2016****Vendor Name and Address:****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
1	Land area . (If land is taken under lease, registered lease deed for 3 yrs period is required)	4000 sq.ft				
2	Cover Shed with asbestos roofing	2000 sq.ft				
3	Fencing/Compound wall	All around				
4	3 Phase Electricity	20 HP				
5	Surface table for marking	1m X 1m				
6	Firm approval by IBR for machining of boiler components	Applicable for IBR Machining only				
7	Lathe - Bore diameter - 80 mm	2 Nos				
8	Spectrotesting M/c	Inhouse/Outsourced				
9	Drilling machine - to drill upto 40 mm dia	1 No				
	MEASURING INSTRUMENTS					
10	Measuring tape - 3 m with calibration	1 No				
11	Vernier caliper - 300 mm with calibration	1 No				
12	Straight edge	1 No				
13	Micrometer with calibration	1 No				
14	Steel rule	1 No				
15	Spirit Level	1 No				
16	Comparators for surface finish of machining components	1 No				
17	IT Pan Card	Original to be offered for verification				
18	TIN No	Original to be offered for verification				
19	Excise Registration Certificate (for OVM vendors)	Original to be offered for verification				

20	Office room with 2 PC, internet facility and printer	Must				
NOTE_1: A. Items in Sl.no: 10,11,12,13 (Tapes & Straight edge - one time calibration) must have valid calibration certificate from any NABL accredited lab. B. For Sl.no: 8, earlier executed POs or valid agreement for facility tie-up must be produced.						
Part-B (Optional)						
01	Painting facility	--				
02	Milling machine	--				
03	Horizontal boring machine	--				
04	Vertical boring Machine	--				
05	CNC lathe	--				
06	Stenciling/Engraving/dot punching facility	--				
07	Standby Generator	--				
08	Material Handling Crane capacity	1 Ton				
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 :						
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.					



BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPALLI
OUTSOURCING

Checklist for vendor evaluation - Pressing, Punching, Shearing and SS Fabrication including welding

Doc No: SVCL:016/02 dated 11.11.2016

Vendor Name and Address:

Spot assessment date:

Part-A (Mandatory)

SI No	Paramter for evaluation	Minimum Required	As given by Firm	Actual observed in Audit	Remarks	Ok/Not Ok
1	Land area . (If land is taken under lease, registered lease deed for 3 yrs period is required)	0.5 Acre				
2	Fencing/Compound wall	All around				
3	EB Power	70 HP				
4	Shearing machine for a thickness of 10mm and width of min. 2.5 m	1 No				
5	Press Brake min.2.5 m width, min. 50MT capacity for a thickness upto 10mm	1 No				
6	Punching Machine min. 100T	1 No				
7	Painting Facility	1 No				
	OVEN					
8	Electrode Baking oven	1 No				
9	Electrode Holding oven	1 No				
10	Flask oven	3 Nos				
	CUTTING MACHINE:					
11	Gas cutting machine for a thickness of 10mm and width of min 2.5 m	1 No				

SI No	Paramter for evaluation	Minimum Required	As given by Firm	Actual observed in Audit	Remarks	Ok/Not Ok
	GRINDING & DRILLING MACHINES:					
12	Grinding Machine (AG-7 & AG-4)	2 Nos				
13	Drilling Machine for Dia upto 32mm	1 No				
14	Welding machines (Rectifier/Invertor type) - 400 A	2 Nos				
	INSPECTION FACILITIES					
15	LPI Kit	2 Set				
	MEASURING INSTRUMENTS					
16	Tape 3m,5m,20m	each 1 No				
17	Vernier 0-300mm	1 No				
18	Feeler Gauge	1 No				
19	Weld fillet gauge 25 MM	1 No				
20	Tri square	1 No				
21	Spirit level	1 No				
22	IT Pan Card	Original to be offered for verification				
23	TIN No	Original to be offered for verification				
24	Excise Registration Certificate (for OVM vendors)	Original to be offered for verification				
25	Office room with 2 PC, internet facility and printer	Must				
	MATERIAL ACCOUNTING:					
26	Raw Material Clearance System (For OVM Vendors)	Day Book Entry system				

SI No	Paramter for evaluation	Minimum Required	As given by Firm	Actual observed in Audit	Remarks	Ok/Not Ok
27	Raw Material Testing (For OVM Vendors)	Access to testing labs of BHEL or Any other NABL approved lab				
NOTE_1: A. Items in SI.no: 8,9,10,16,17,18 and 19 (Tapes - one time calibration) must have valid calibration certificate from any NABL accredited lab. B. For mobile cranes under lease, valid lease document must be produced at the time of spot assessment.						
Part-B (Optional)						
1	Preheating Burner	--				
2	Standby Generator	--				
	Capacity (HP)	--				
	Owned or On rent	--				
3	Stenciling	--				
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): 			
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.					



BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPALLI

OUTSOURCING

Checklist for vendor evaluation - Handrails (Galvanised and Painted)

Doc No: SVCL:019/01 dated 11.11.2016

Vendor Name and Address:

Spot assessment date:

Part-A (Mandatory)

SI No	Parameter for evaluation	Minimum Required	As given by Firm	Actual observed in Audit	Remarks	Ok/Not Ok
1	Land area . (If land is taken under lease, registered lease deed for 3 yrs period is required)	0.5 acre				
2	Fencing/Compound wall	All around				
3	EB Power	45HP				
4	Covered shed	10M x 5 M				
5	Material handling crane capacity with stability certificate (Mobile crane / A frame / EOT)	10 MT (Mobile crane may be owned or under lease)				
6	Hyd. Tube Bending Machine (for tube dia 42.4mm with radius capability of 200mm)	1 No				
7	Profile punching machine	1 No				
8	Hot Dip Galvanising facility	In-house/Outsourced				
9	(SMAW)Welding M/c 400 Amps Inverter	2 Nos				
	OVEN:					
10	Electrode baking oven	1 No				
11	Flask Oven	1 No				
	GRINDING & CUTTING MACHINES:					

SI No	Parameter for evaluation	Minimum Required	As given by Firm	Actual observed in Audit	Remarks	Ok/Not Ok
12	Portable Grinding machine AG 5	2 Nos				
13	Abrasive cutting equipment - for tube cutting	1 No				
14	Gas cutting equipment - For bottom plates of 10 mm thick & saw cutting for tubes	1 No				
15	Wire Wheel (For Power Tool Cleaning)	1 No				
	INSPECTION FACILITIES					
16	LPI Kit	1 Set				
17	MPI Unit with calibration block (Prod type - 1000 A)	1 No				
18	Level II LPI/MPI qualified Personnel with valid certificate	1 Person				
19	Air Compressor of 5HP rating, gun for painting	1 Set				
	MEASURING INSTRUMENTS					
20	Tape 3m,5m,20m	each 1 No				
21	IT Pan Card	Original to be offered for verification				
22	TIN No	Original to be offered for verification				
23	Excise Registration Certificate (for OVM vendors)	Original to be offered for verification				
24	Office room with 2 PC, internet facility and printer	Must				
	MATERIAL ACCOUNTING:					
25	Raw Material Clearance System (For OVM Vendors)	Day Book Entry system				
26	Raw Material Testing (For OVM Vendors)	Access to testing labs of BHEL or Any other NABL approved lab				

Sl No	Parameter for evaluation	Minimum Required	As given by Firm	Actual observed in Audi	Remarks	Ok/Not Ok
NOTE_1:						
A. Items in Sl.no: 10,11,17 and 20 (Tapes - one time calibration) must have valid calibration certificate from any NABL accredited lab.						
B. For mobile cranes under lease, valid lease document must be produced at the time of spot assessment.						
Part-B (Optional)						
1	Standby Generator	--				
	Capacity (HP)	--				
	Owned or On rent	--				
2	ISO Certification	--				
3	Galvanizing	In-house/Outsourced				
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):			
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.					

**BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPALLI****OUTSOURCING****Checklist for vendor evaluation - Rounded Corners****Doc No: SVCL:029/00 dated 17.12.2014****Vendor Name and Address:****Spot assessment date:****Part-A (Mandatory)**

SI No	Paramter for evaluation	Minimum Required	As Given by Firm	Actual Observed in Audit	Remarks	Ok/Not Ok
1	Land area. (If land is taken under lease, registered lease deed for 3 yrs period is required)	0.5 Acres				
2	Fencing/Compound wall	All around				
3	EB Power	50 HP				
4	Covered shed	12m X 14m				
5	Material handling capacity(Mobile crane/EOT & A frame with stability certificate)	1 MT				
6	Shearing Machine	4mm Thick and 2.5 m width.				
7	Press Brake / Hydraulic press with appropriate tooling to handle different varieties as per drawing	1 No				
8	Bending m/c using formers for Round corners	1 No				

SI No	Paramter for evaluation	Minimum Required	As Given by Firm	Actual Observed in Audit	Remarks	Ok/Not Ok
	GRINDING MACHINE:					
9	Grinding M/c (manual/Portable)	1 No				
10	(SMAW)Welding M/c 400 Amps Inverter	2 Nos				
	MEASURING INSTRUMENTS					
11	Tape 3m,5m,20m	each 2 Nos				
12	Tri square	1 No				
13	Spirit level	1 No				
14	Vernier 0-200mm	1 No				
15	Straight Edge	1 No				
	MATERIAL ACCOUNTING:					
16	Raw Material Clearance System (For OVM Vendors)	Day Book Entry system.				
17	Raw Material Testing (For OVM Vendors)	Access to testing labs of BHEL or Any other NABL approved lab				
18	IT Pan Card	Originals to be offered for verification				
19	TIN No	Originals to be offered for verification				
20	Excise Registration Certificate	Originals to be offered for verification				
21	Office room with 2 PC , internet facility and printer	Must				
NOTE_1: A. Items in Sl.no: 11,14 and 15 (Tapes & Straight Edge - one time calibration) must have valid calibration certificate from any NABL accredited lab.						

SI No	Paramter for evaluation	Minimum Required	As Given by Firm	Actual Observed in Audit	Remarks	Ok/Not Ok				
Part-B (Optional)										
01	Spectro Testing (AS/SS)	Access to testing labs, other NABL approved labs								
02	Furnace Heat Treatment	Inhouse / Outsourced								
03	Knowledge on designing forming tools/dies	--								
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):							
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.									