



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

MATERIALS MANAGEMENT

SCMC / MFG , BHEL , TIRUCHIRAPPALLI requires qualified vendors for manufacturing the Boiler Components in part or in full with free issue of materials by BHEL, Trichy	Phone: +91 431 2574662 / 2574552 Fax : +91 431 252 0333 Email : raja@bheltry.co.in
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	Reference Number: Enquiry : SCMC : NEW VENDOR	Enquiry Date: 26.08.2011	Due date for submission of quotation: 26.08.2012

BHEL/Trichy is looking for empanelment of new vendors for “Manufacturing the Boiler Components in part or in full with free issue of materials by BHEL, Trichy ”

BHEL commercial terms & conditions with Price Bid formats and all annexure can be downloaded from BHEL web site http://www.bhel.com or from the Government tender website http://tenders.gov.in (public sector units) Bharath Heavy Electricals Limited) under enquiry reference “SCMC : NEW VENDOR ”	
Tenders should reach us before 14:00 hours on the due date Technical bid will be opened at 14:30 hours on the due date Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present.	Yours faithfully, For Bharat Heavy Electricals Limited MANAGER / SCMC / MFG Bldg 53, BHEL, Tiruchirappalli-620014 Ph: 0431- 2574662, Fax: 0431- 2520333 Email: raja@bheltry.co.in



Bharat Heavy Electricals Limited

HPBP -Tiruchirapalli - 620 014

SUB CONTRACTING / MFG

SCMC / MFG , BHEL , TIRUCHIRAPPALLI requires qualified vendors for manufacturing the below mentioned Boiler Components in part or in full with free issue of materials by BHEL, Trichy

- Drums ,
- Ring Headers ,
- Headers both CARBON AND ALLOY Steel,
- Coils both Carbon & Alloy Steel ,
- WW Panels,
- Gang Bend Panels,
- Burner panels ,
- Radiant Roof Panels,
- Loose Tubes ,
- Piping items ,
- Constant Load Hangers ,
- Variable Load Hangers and
- Press-Brake & Punching items like Roof seal band, Panto Plate, Alignment Band, Strap Set etc.

PRODUCT DESCRIPTION	PRODUCT	PRODUCT ANNUAL REQUIREMENTS	FACILITIES REQUIRED
DRUMS		• Requirements : 50-70 Nos per annum approx • Made from pressed shells or plate rolling • Weight ranges from 20MT to 140 MT • Thickness from 25 mm to 170 mm • Material SA 299 or SA515 Gr 70	• Column SAW boom welding machines for long seam and Cir seam welding • Rollers for mounting (Job Rotator) • Radial drilling machines • Burners for pre heating and post heating • Welding and grinding equipments • Chamfering machines (Cirseam & Long seam Edge preparation) • Drum handling facilities • Heat treatment facilities (IBR Appd Furnace & capable of carrying the HT of Drum in full) • Hydro test pumps • NDT –MPT , PT – Inhouse reqd and RT , UT – Inhouse/outsource is reqd • Inhouse / NABL Approved Lab facility required for Specimen test • Surface Preparation & painting Facility

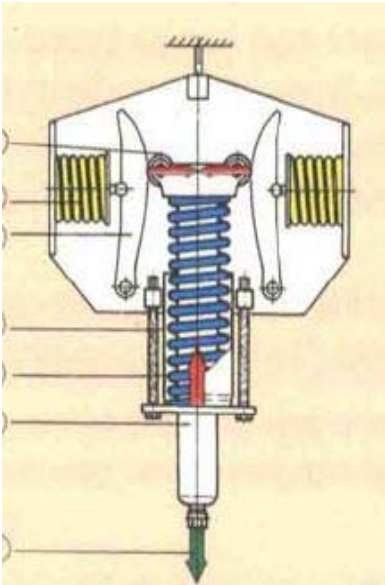
RING HEADERS		• Requirements : 900 MT - 25 Nos. approx • Made from Seamless/Plate formed Pipes • Pipe Dia 914 mm • Pipe thickness from 90 mm to 102 mm upwards • Weight from 40 MT to 45 MT • Material : SA 299 or SA106 GrC	• Radial drilling machines • Tube bending machines upto 3" Dia • TIG/SAW welding machines for pipe to pipe joints • Welding and Grinding equipments • Chamfering machines for pipes and tubes • Burners for pre heating and post heating • Heat treatment facilities (IBR Appd Furnace & capable carrying the HT in full) • NDT –MPT , PT – inhouse reqd and RT , UT – inhouse/outsource is reqd
HEADERS BOTH CARBON AND ALLOY STEEL		• Requirements : 1000 Nos. approx per annum (5000 MT approx) • Made from Seamless Pipes • Pipe Dia from 219 to 711 mm • Pipe thickness from 14 mm to 80 mm • Weight from 1 MT to 20 MT • Material : Carbon steel & Alloy Steel	• Radial drilling machines capable of drilling upto Dia.80mm • Tube bending machines upto 3" Dia • TIG/SAW welding machines for pipe to pipe joints • Welding and Grinding equipments • Burners for pre heating and post heating • Heat treatment facilities (IBR Appd Furnace & capable carrying the HT in

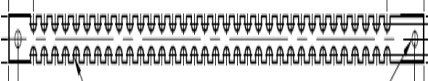
			full) • Chamfering machines for pipes and tubes • Hydro test pumps • NDT : MPT , PT – inhouse reqd and RT & UT – inhouse/outsource is reqd
COILS BOTH CARBON & ALLOY STEEL		• Requirements : 20,000 MT approx (Eco, LTSH, RH, SH, SH Platen, SH Spacer) • Made from Seamless tubes – tube dia 44.5 to 76.1 • Tube thickness 4.5 to 12 mm • Material : Carbon steel , Alloy steel including T91 & stainless steel	• Tube bending machines • TIG/ARC welding machines for tube to tube joints • Auto welding machines for tube to tube joints • Chamfering machines for tubes • Heat treatment facilities (IBR Appd Furnace & capable carrying the HT in full) • Hydro test pumps • Capable of Manufacturing Welded Bifurcate (for Re-Heater coils) • Attachment preparation Facility like punching, pressing, shearing – Inhouse/Outsource • NDT –MPT , PT – Inhouse reqd and RT , UT – Inhouse/outsource is reqd

WATER WALL PANELS		• Requirements : 15000 MT approx per annum. • Made from seamless tubes, Flats & Fins • Tube size from 44.5mm to 76.1 mm • Flat size from 12.7 mm to 102.4 mm • Length from 5 M to 24 M Material : Carbon steel	• Membrane panel welding machines • Fin De-coiler & calibration facility • Tube bending machine • Tube Chamfering machines • TIG welding machines for tube joints • Hydro test pumps • NDT –MPT , PT – Inhouse reqd and RT , UT – Inhouse/outsource is reqd
GANG BEND PANELS		• Requirements : 2000 MT approx per annum. • Made from seamless tubes ,flats & Fins • Tube size from 44.5mm to 76.1 mm • Material : Carbon steel	• TIG/SMAW welding machines • Panel bending machine • Tube bending machine • Tube Chamfering machines • Heat treatment facilities (IBR Appd Furnace & capable carrying the HT in full) • Hydro test pumps • NDT –MPT , PT – inhouse reqd and RT , UT – inhouse/outsource is reqd

BURNER PANELS		• Requirements : 300 MT approx per annum. • Made from seamless tubes & Fins • Tube size from 51 mm to 76.1 mm • Plate size from 3.15 mm to 20 mm • Angle 130 x 130 mm, • Rods 6 to 12 mm • Panel Length from 12 M to 15 M • Material : Carbon steel	• Tube bending machines • Tube Chamfering machines • TIG / SMAW welding machines for tube joints • Heat treatment facilities (IBR Appd Furnace & capable carrying the HT in full) • Hydro test pumps • Attachment preparation Facility like punching, pressing, shearing – Inhouse/Outsource
RADIANT ROOF PANELS		• Requirements : 2000 MT approx per annum. • Made from seamless tubes, Fins & flats for attachments • Tube size from dia 51 to 63.5mm Material : Alloy steel	• Tube bending machines • Tube Chamfering machines • TIG / SMAW welding machines for tube joints • Heat treatment facilities (IBR Appd Furnace & capable carrying the HT in full) • Hydro test pumps • Attachment preparation Facility like punching, pressing, shearing – Inhouse/Outsource

			• NDT –MPT , PT – inhouse reqd and RT , UT – inhouse/outsource is reqd
LOOSE TUBES		• Requirements : 3500 MT approx per annum. • Made from seamless tubes , Fins & flats for attachments • Tube size from 44.5 mm to 76.1 mm Material : Carbon steel , Alloy steel & stainless steel	• Tube bending machines • Tube Chamfering machines • TIG / SMAW welding machines for tube joints • Heat treatment facilities • Hydro test pumps
PIPING ITEMS		• Requirements : 10,000 MT approx per annum. (Riser pipes, Straight with attachments, bends with attachments, Fuel lines, BMR items) • Made from seamless, ERW pipes Plates, etc. • Tube /pipe size from dia 33.4 to 965 mm • Material : Carbon steel , Alloy steel	• Pipe bending machines • Pipe Chamfering machines • TIG / SMAW welding machines for tube joints • Heat treatment facilities – SR , Normalising , Tempering Furnace

CONSTANT LOAD HANGERS		• Requirements : 9200 Nos per annum. 1200 MT approx • Made from seamless tubes & seamless / ERW pipes Dia 21.3 mm to 141mm. Thickness 16mm max • Plates from 1.6 mm to 90 mm • Rods dia 6mm to 80 mm	• CNC Gas cutting / Shearing • Pressing • CO2 Welding • Machining • Grinding • Shot blasting • Yellow passivation. • Assembling • Painting • Testing Facility
VARIABLE LOAD HANGERS		• Requirements : 52000 Nos per annum. 2600 MT approx • Made from seamless tubes & seamless / ERW pipes. Dia 44.5 mm to 406 mm. Thickness 10 mm max • Plates from 1.6 mm to 30 mm • Rods dia 6mm to 80 mm	• CNC Gas cutting / Shearing • CO2 Welding • Machining • Grinding • Shot blasting • Yellow passivation. • Assembling • Painting • Testing Facility

PRESS- BRAKE & PUNCHING ITEMS	<u>Roof seal bands</u>  <u>Panto plates</u>  <u>Strap sets</u>  <u>Alignment bands</u> 	• Requirements : Roof seal bands 18000 nos, Panto plates 25000 Nos, Strap sets 700000 Nos, Alignment bands 46000 Nos per annum approx • Made from Plates of 4 to 12mm thickness • Material: carbon, low alloy & stainless steel .	• Shearing machine: Capacity thickness 10mm & width of shearing 2.5 M • Power press & Press Brake Machine
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General Facilities Required for Fabrication of the above Products are as follows:

- NDE facilities as RT, UT, MPI, LPI
- Electrode baking oven with Calibration
- Electrode flask
- Burners for pre heating & post heating operation.
- Air Compressors

- Handling facilities to suit the product requirement.
- Raw material storage facilities
- NABL accredited labs for calibration .
- Mechanical testing facilities to be available .
- Calibrated measuring instruments
- Spectrometer for Positive Matl Identifcation, De meter and Hardness tester
- Surface preparation & painting facility.
- Portable Grinding machines
- Hydro test pump upto 400 Kg/cm2
- IBR Approved Heat treatment furnace for pressure parts

Interested Vendors who are capable of meeting BHEL requirements are requested to fill up the Vendor Registration Formats – “Pressure Parts” / “Non Pressure Parts” or Both as the case may be . The filled formats along with documents as per the checklist are to be sent to the below mentioned address super scribing “NEW VENDOR REGISTRATION”.

MANAGER,
SUB CONTRACTING/MFG,
BUILDING 53,
BHEL,TRICHY-620014.
PHONE: (0431)257 4662 , 257 4552
Email : raja@bheltry.co.in



428-026

**BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPALLI – 620014
OUTSOURCING**

SUBCONTRACTOR BIO – DATA

1. NAME OF THE COMPANY :
2. ADDRESS :
3. CONSTITUTION : Proprietary / Partnership / Pvt. Ltd.
4. NAME AND ADDRESS OF PROPRIETOR / PARTNER/DIRECTOR/s :
- (IF REQUIRED SEPARATE ENCLOSURE SHALL BE ATTACHED)

5.	CONSTITUTION	% OF SHARE	TECHNICAL QUALIFICATION	DOCUMENTARY PROOF
a.	If Partnership Concern			i) Copy of the latest registered partnership deed duly indicating the percentage of share ii) Form-A Rule V issued by Registrar of Firms
b.	For Private Limited Company i) Managing Director ii) Technical Director			Articles of Association
c.	For Proprietary Concern Name of the Proprietor			

6. SSI No.from DIC (Copy to be submitted) :
7. Area available for Production :
- a) Covered shed area :
- b) Open area with level concrete floor :
- c) Area available for storage raw materials and finished products :
- d) Total :

8. Clear Document regarding allotment :
(Copy to be furnished as Documentary proof)
9. Connected Power & Name details :
(EB Card copy to be furnished)
10. Organisation for Production and Quality
a) Production (No. of Employees) :
b) Quality (No. of Employees) :
11. Number of Employees available :
a) Permanent
b) Temporary
12. Directors / partners, if related to any BHEL employee.
Name :
Staff No. :
Designation :
Department :
Relationship :
13. If any ex-BHEL personnel is employed by the company,
mention his / her details of last posting.
Name :
Staff No. :
Designation :
Department :
Date of leaving service :
14. Reference list for previous experience :
15. Banker's Name and Address :

SIGNATURE WITH SEAL
(PROPRIETOR /
MANAGING PARTNER)



BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPPALLI – 620 014
OUTSOURCING
SUBCONTRACTOR REGISTRATION FORM
PRODUCT - TUBULAR PARTS

NAME : M/s

ADDRESS :

SL NO.	CRITERIA	MINIMUM REQUIREMENT	STATUS	REMARKS
1	IBR approval for the firm			
2	IBR welder			
3	Welding facility	Welding machine Preheating / post heating arrangement Welding area		
4	Consumable control	Storage Baking Issue control Handling		
5	Raw material storage			
6	Handling facility			
7	Cutting facility			
8	Bending facility			
9	Edge preparation facility			
10	Measuring instruments			
11	Facility for visual inspection			
12	NDE facility	NDE equipment NDE personnel		
13	Component Machining facility			
14	PWHT facility and personnel			
15	Hydro facility	Pump capacity Protected area Trained personnel Gauges		

16	Covered area	Layout marking facility. Support Stands		
17	Knowledgeable person in drawing interpretation			
18	Quality of welding available in the firm			
19	Quality system in the firm			
20	Painting & preservation			
21	Solvency Certificate (For New Vendors) / Balance Sheet & IT return (for 4 year) for existing Vendors			

SIGNATURE WITH SEAL
(PROPRIETOR /
MANAGING PARTNER)

22. RECOMMENDATION	
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Evaluation Committee

Assessor 1

Assessor 2



428-026

**BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPALLI – 620014
OUTSOURCING**

SUBCONTRACTOR BIO – DATA

1. NAME OF THE COMPANY :
2. ADDRESS :
3. CONSTITUTION : Proprietary / Partnership / Pvt. Ltd.
4. NAME AND ADDRESS OF PROPRIETOR / PARTNER/DIRECTOR/s :
- (IF REQUIRED SEPARATE ENCLOSURE SHALL BE ATTACHED)

5.	CONSTITUTION	% OF SHARE	TECHNICAL QUALIFICATION	DOCUMENTARY PROOF
a.	If Partnership Concern			i) Copy of the latest registered partnership deed duly indicating the percentage of share ii) Form-A Rule V issued by Registrar of Firms
b.	For Private Limited Company i) Managing Director ii) Technical Director			Articles of Association
c.	For Proprietary Concern Name of the Proprietor			

6. SSI No.from DIC (Copy to be submitted) :
7. Area available for Production :
- a) Covered shed area :
- b) Open area with level concrete floor :
- c) Area available for storage raw materials and finished products :
- d) Total :

8. Clear Document regarding allotment :
(Copy to be furnished as Documentary proof)
9. Connected Power & Name details :
(EB Card copy to be furnished)
10. Organisation for Production and Quality
a) Production (No. of Employees) :
b) Quality (No. of Employees) :
11. Number of Employees available :
a) Permanent
b) Temporary
12. Directors / partners, if related to any BHEL employee.
Name :
Staff No. :
Designation :
Department :
Relationship :
13. If any ex-BHEL personnel is employed by the company,
mention his / her details of last posting.
Name :
Staff No. :
Designation :
Department :
Date of leaving service :
14. Reference list for previous experience :
15. Banker's Name and Address :

SIGNATURE WITH SEAL
(PROPRIETOR /
MANAGING PARTNER)



428-029

BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPPALLI – 620 014
SCM/Manufacturing
SUBCONTRACTOR REGISTRATION FORM
PRODUCT - MACHINING

NAME : M/s

ADDRESS :

SI No.	DETAILS	MINIMUM REQUIRED	AVAILABLE	REMARKS
1	Company			
	a) Constitution	Private/ Partnership/ Public		
	b) Qualification of Proprietor/Partner/Supervisor	Degree / Diploma / ITI with experience		
	c) Representative	Collection of materials, documents & coordination with Stores, QC, Shipping & Accts		
2	Area			
	Land (Own / Lease / Rent)			
	Documents			
	a)			
	b)			
	c)			
3	Handling Facility			
4	Office Room			
5	Shed with Asbestos Roofing			
6	All round Fencing			
7	List of Machinery / Facilities			
	a) Make			
	b) size			
8	Measuring instruments & Gauges			

09	a) Telephone No.			
	b) PC with INTERNET facility			
	c) E.Mail ID			
10	Additional Facility if any			
11	a) Financial Status Solvency Certificate / Balance Sheet & IT Return(4 Years) b) Willingness to execute BG			
12	Manpower			
13	Other information			
	a) Organisation Chart			
	b) Contact Person			
	c) IT PAN No.			
	d) SSI Regn. No.			
	e) Power Connection details			

SIGNATURE WITH SEAL
(PROPRIETOR / MANAGING PARTNER)

14	Recommendation	
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Evaluation Committee :-

Assessor 1

Assessor 2

	<u>CHECK LIST FOR DOCUMENT SUBMISSION</u>	
	<u>VENDOR NAME :</u>	<u>REMARKS</u>
01	Vendor Request Letter (Product to be specified)	
02	Vendor Application Form - PP or NPP (BHEL Format)	
03	IBR Certificate of the Firm - Product & Validity (Applicable for Pressure parts Manufacturers)	
04	Contact Person , Degn , Phone/Mobile Nos , email id	
05	Registered Partnership Deed with Form-C with legal clearance. (Not Applicable for Proprietorship)	
06	PVT Ltd or Public Ltd Co - Certificate of incorporation, Memorandum of Assn , Articles of Assn (Not Applicable for Proprietorship)	
07	Land Doc on Company Name + Corpoation Tax Certificate	
08	Lease Agreement of the land (min 5 yrs) with Firm +Land Owner's Basic Doc + Corp Tax Certificate (If the land Doc is not in the Company name)	
09	Encumbrance Certificate for 15 yrs (obtained within a month)	
10	Organization chart	
11	List of Machineries	
12	List of Measuring Instruments	
13	Calibration certificate for all instruments - Oven, Ammeter , voltmeter, Gauges etc	
14	Crane : if A Frame - Stability certificate, Capacity ____ MT	
15	Crane : if EOT crane - Stability certificate, Capacity____ MT	
16	Crane : if Mobile crane - RC Book / Contract Capacity____ MT	
17	IBR Welders certificate +	
18	NDT Facility of the Firm (Inhouse/ Approved Outsource)	
19	MPI/PT /RT/UT (NDT Personnel Certificate if any)	
20	IBR ApprovedHeat Treatment Facility (In-house / Outsource)	
21	EB Card in the name of Firm/ Land owners in case of lease - Xerox copy	
22	Entrepreneur Memo No (EM No) / Corporate Identity No (CI No)	
23	VAT Certificate / TIN allotment copy	
24	Excise Reg certificate (if Any)	
25	IT PAN card Xerox of the Firm	
26	Solvency certificate	
27	Audited Balance Sheet for latest 4 years	
28	IT Return (last 4 yrs)	
29	Bankers Loan sanction advice copy (if any)	
30	e-payment Form with Bankers MICR code , BSR code & Account No	
	English version to be submitted If the certificate/Doc in other language.	
	Original certificates/Doc will be verified during spot evaluation.	