



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY	Phone: +91 431 257 7421 Email : vkaruna@bhel.in Web : www.bhel.com
NOTICE INVITING TENDER	

TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
Tender to be submitted in two Parts	2632000012	03.06.2020	29.06.2020

You are requested to quote the Enquiry number date and due date in all your correspondence. This is only a request for quotation and not an order.

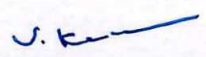
Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the Date of tender opening.

Item	Description	Quantity	(Indigenous Vendors) Matl. will be Delivered to
10	HAND HELD PORTABLE ELECTRIC BAND SAW MACHINE as per the technical specification & commercial conditions applicable (to be downloaded from web site (http://www.bhel.com) http://www.bhel.com/tender/tender_home.php or https://eprocure.gov.in/epublish/app)	10 Nos.	FOR, BHEL Stores, High Pressure Boiler Plant, Tiruchirappalli - 620014

Important points to be taken care during submission of offer

1. Material shall be delivered to: Indigenous Vendors: As stated above.
Foreign Vendors: CFR Chennai Seaport / CPT Chennai Airport
2. Delivery required 3 Months including PDI from the date of purchase order.
3. Erection & Commissioning period required 2 Week from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C.
4. EMD for this Tender will be (not less than): Nil
5. Compliance Form Nos.: TRY/IND/08 to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
6. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media.

BHEL's General guidelines / instructions (refer MM / CE / GENL / 001 - NOEMD) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from BHEL web site (<http://www.bhel.com>) http://www.bhel.com/tender/tender_home.php or from the Government tender website <https://eprocure.gov.in/epublish/app> under above Enquiry reference.

(This is not an E-tender, please submit your offer in hard copies) Tenders should reach us before 14:00 hours on the due date Tenders 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  DGM / Capital Equipment / MM
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HAND HELD PORTABLE ELECTRIC BAND SAW MACHINE, Qty. 10 nos. PART A

SECTION – 1: QUALIFYING CRITERIA

The BIDDER has to compulsorily meet the following requirements to get qualified for considering the technical offer:

S.No.	REQUIREMENTS	Vendor's Response
1.1	Only those bidders /OEMs, who have supplied and commissioned at least 10 HAND HELD PORTABLE ELECTRIC BAND SAW MACHINES with 1. Saw motor power of 550 Watts or more and 2. Cutting capacity of 120 mm Dia or more in the past 10 years are eligible to quote. Bidder to provide the supply details along with proof of supply documents	
1.2	Atleast One Performance Certificate for one such machine from any customer for satisfactory performance of the machine as per 1.1 above for a minimum period of 1 year from the date of commissioning should be submitted to qualify for this tender. A suggestive format of the performance certificate is give in section 4 at the end of Part-A.	
1.3	Name, designation email and contact details of the contact person of the customer where similar machine is supplied.	
1.4	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false/ incorrect, the offer shall be rejected.	

SECTION – 2

The BIDDER / VENDOR are requested to provide the following information:

S. No.	REQUIREMENTS	Vendor's Response
2.1	The BIDDER/VENDOR to furnish Reference List of Customers, with full address, details of contact person, where Hand held portable BANDSAW MACHINES have been supplied in the past.(Max 20 references)	
2.2	Details of Hand held portable BANDSAW MACHINES supplied to other BHEL units, if any. (Year of commissioning, Saw motor power and cutting Size).	
2.3	Details on SERVICE-AFTER-SALES Set-up in India including the Address of Agents / Service Centers in South India.	
2.4	Any Additional Data to supplement the manufacturing capability of the BIDDER for the subject equipment.	

SECTION – 3

The BIDDER to note:

S. No.	PARTICULARS	Vendor's Response
3.1	The BIDDER / VENDOR shall submit the offer in TWO PARTS. 1. Technical Offer [with PART A & PART B] 2. Commercial offer & Price Bid.	
3.2	The Technical Offer shall contain a comparative statement of Technical Specifications demanded by BHEL and Offer Details submitted by the Bidder , against each clause. A just 'CONFIRMED' or 'COMPLIED' or 'YES' or 'NO-DEVIATION' or similar words in the technical comparative statement may lead to disqualification of the Technical Offer.	
3.3	The Technical Offer shall be supported by product Catalogues & Data Sheets and also technical details of Bought-Out-Items with copies of Product Catalogue to the extent possible.	
3.4	The Commercial Offer (given with the Technical Offer) shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid, for confirmation.	

SECTION – 4

PERFORMANCE CERTIFICATE
On Customer's Letter Head

1. Supplier of the machine			
2. Make & Model of the M/C			
3. Month & Year of Commissioning			
4. Application for which M/C is used			
5	a) Saw Motor Power in HP b) Max Cutting Size in mm c) Blade Size(LxWxT)		
6. Performance of the Equipment (Tick whichever is applicable)		Satisfactory	
		Not Satisfactory	
7. Service after sales (Tick whichever is applicable)		Satisfactory	
		Not Satisfactory	
Signature & Seal of the Authority Issuing the Performance Certificate Date:			

HAND HELD PORTABLE ELECTRIC BAND SAW MACHINE, Qty. 10 nos.
Part B - Technical Specification

S. No	DESCRIPTION	SPECIFICATION	BIDDER'S OFFER with technical details
01	Machine type	Heavy duty Portable Band saw machine suitable for cutting tubes, pipes and Rods. The machine shall be supplied with one 14 TPI bimetal band saw blade- M42 grade fitted on it. The machine shall have the following provisions 1. Lock Button for Trigger Switch 2. Control knob for speed change	
02	Machine Construction	Body and Frame shall be able to withstand impact load / force while handling. Motor shall be located on the top frame.	
03	Application	The machine shall be used for Cold cutting without the use of coolant.	
04	Cutting range (maximum)	Tubes, Pipes and Rods: Maximum Diameter 120 mm. Sections: Maximum size 120 x 115 mm. Material: Stainless steel, Titanium and carbon steel	
05	Motor Power	Electrical motor having a minimum power of 650 W and should be able to operate on single phase 230 V, 50 Hz AC power supply	
06	Input power cable	Around 3 meter long cable suitable plug compatible to Indian Standard.	
07	Lock Button for trigger switch	Provision to keep the Band Saw running continuously without holding the switch trigger in "ON"	
08	Control Knob	Knob / switch for changing the blade speed from low to High	
09	Cutting Blade Speed	Blade speed at high power: 80 meters /min. (minimum) Blade Speed at low power: 55 meters /min. (minimum)	
10	M42 Bimetal Band Saw Blade size	Blade length= 1140 mm Blade Width = 12.7 mm / 13 mm Blade thickness= 0.65 mm	

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10.1	Pitch of blades used for Cutting	10 teeth per Inch of blade length & 14 teeth per Inch of blade length.																															
11	Bandsaw blade for cutting Titanium material	Bidder to provide details of any special blade required for cutting Titanium jobs. If yes, provide the Blade length, width, thickness, pitch details etc.																															
12	Accessories	The following Bimetal Band Saw blades of M42 grade are to be supplied in addition to one 14 TPI blade fitted on the machine. 1. Blades with pitch 10 TPI – 2 Nos. per machine 2. Blades with pitch 14 TPI - 2 Nos. per machine All Blades shall be packed in separate boxes.																															
13	Machine Bearings	The Bearings used shall be lubricated and sealed type																															
14	Machine Weight	Limited to 8 Kg																															
15	Machine Spares	The following spares shall be supplied. The unit price of each spare should be quoted item wise with quantity in the sealed price bid.<table><tr><th>S.No</th><th>Spare part description</th><th>Qty</th></tr><tr><td>a</td><td>Armature—230 V</td><td>7 Nos.</td></tr><tr><td>b</td><td>Electrical field assembly—230V</td><td>7 Nos.</td></tr><tr><td>c</td><td>Carbon Brush</td><td>40 Nos.</td></tr><tr><td>d</td><td>Bearing</td><td>4 Sets</td></tr><tr><td>e</td><td>Blade Guide roller</td><td>8 sets</td></tr><tr><td>f</td><td>Work stop / Job guide</td><td>4 Nos.</td></tr><tr><td>g</td><td>Handle</td><td>2 Nos.</td></tr><tr><td>h</td><td>Speed change Knob/switch</td><td>2 Nos.</td></tr><tr><td>i</td><td>Rubber tire</td><td>60 Nos.</td></tr></table>	S.No	Spare part description	Qty	a	Armature—230 V	7 Nos.	b	Electrical field assembly—230V	7 Nos.	c	Carbon Brush	40 Nos.	d	Bearing	4 Sets	e	Blade Guide roller	8 sets	f	Work stop / Job guide	4 Nos.	g	Handle	2 Nos.	h	Speed change Knob/switch	2 Nos.	i	Rubber tire	60 Nos.	
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16	Inspection	The test certificate shall be submitted to BHEL, prior to dispatch of the machine.																															
17	Scope of supply	1. Each Machine shall be fitted with one 14TPI Bimetal Band saw Blade																															

S. No	DESCRIPTION	SPECIFICATION	BIDDER'S OFFER with technical details
		of M42 grade 2. M42 Bimetal Band saw Blades in 10 TPI - 2 Nos per machine 3. M42 Bimetal Band saw Blades in 14 TPI - 2 Nos per machine 4. Special bandsaw blade (if any) – 2 nos. 5. O& M manual- one per machine 6. Test Certificate of each machine. 7. Spares indicated as per S no. 15 to be supplied.	
18	Documentation	Operation & Maintenance Manual or Instruction Manual with Trouble Shooting Chart (in English Language) - One number per machine shall be supplied along with machine. A soft copy also to be provided in CD/Pen drive.	
19	Commissioning	The Band saw Machine shall be commissioned by the supplier's representative at BHEL Works by demonstrating the cutting ability of the machine. Necessary operating instructions and inputs are to be provided to operators.	
20	Warranty	Warranty for a period of 12 months from the date of commissioning at BHEL.	