



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY		NOTICE INVITING TENDER		Phone: +91 431 257 7653 Email : skaruna@bheltry.co.in Web : www.bhel.com
TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:	
Tender to be submitted in two Parts	2631600070	20.09.2016	18.10.2016	
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 tender should be submitted online on or before the due date by 14.00 Hrs (IST). Tenders received after 14.00 Hrs (IST) will not be considered for evaluation.				
Item	Description			Quantity
10	Hand Held Portable Electric Band Saw as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in or https://bheleps.buyjunction.in)			47 Nos.
Important points to be taken care during submission of offer - Material shall be delivered to Indigenous Vendors: FOR, BHEL, Stores Trichy, Tamilnadu For Foreign Vendors: CFR Chennai Airport/ Sea Port - Delivery required 3 months from the date of purchase order. - Erection & Commissioning period required 3 Weeks from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C. - EMD for this Tender will be (INR) : 60,000.00 - Checklist No: TRY/IMP/ 02 (for foreign vendors) and TRY/IND/02A (for indigenous vendors) to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation. - 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 / EPROC / GENL / 001-EMD) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from https://bheleps.buyjunction.in or BHEL web site http://www.bhel.com or from the Government tender website http://tenders.gov.in (public sector units > Bharat Heavy Electricals Limited page) under above Enquiry reference.				
Tenders should be submitted online at our above indicated web portal before 14:00 hours on the due date Tenders will be opened online at 14:30 hours on the due date.			Yours faithfully, For BHARAT HEAVY ELECTRICALS LIMITED DGM / Capital Equipment / MM	

HAND HELD PORTABLE ELECTRIC BAND SAW MACHINE PART A

SECTION – I: 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
1.0	Only those vendors (OEMs), who have supplied and commissioned at least 25 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 in the past ten years are only eligible to quote. Such supplied machine should currently be working satisfactorily for a minimum period of one year counted reverse from the date of opening of this Tender. One Performance Certificate for one such machine should be submitted to qualify for this tender. The performance certificate must contain the details indicated in section-IV at the end of this specification (Part-A)	
2.0	Name, designation email and contact details of the contact person of the customer where similar machine is supplied.	
3.0	Month and Year of commissioning of the machine.	
4.0	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 – I I

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

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

SECTION – III

The BIDDER to note:

S. No.	PARTICULARS	Vendor's Response
9.0	The BIDDER / VENDOR shall submit the offer in TWO PARTS. 1. Technical Offer [with PART A & PART B] 2. Commercial offer & Price Bid.	
10.0	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.	
11.0	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.	
12.0	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 – IV

The performance certificate should be on **Customer's Letter Head** and submitted along with the offer.

PERFORMANCE CERTIFICATE

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	
Date: Signature & Seal of the Authority Issuing the Performance Certificate			

Technical Specification for HAND HELD PORTABLE ELECTRIC BAND SAW MACHINE

Part B:

S.No	DESCRIPTION	SPECIFICATION	VENDOR'S OFFER
01	Machine type	Heavy duty double insulated Portable Band saw machine suitable for cutting tubes, pipes and Rods (Maximum Diameter 120 mm, Sections of Maximum size 120 x 115 mm etc. The machine should be able to operate on AC single phase 230 V, 50 HZ, 3 wire system. The machine shall be supplied with one bimetal bandsaw blade fitted on it. The machine shall have the following provisions 1. Lock Button for Trigger Switch 2. Control knob for speed change (fluorescent cover)	
02	Machine Construction	Body and Frame shall be of suitable metal alloy to give lightness, at the same time sturdiness, to withstand impact load / force while handling. The drive wheels of the band saw blade shall be of metallic (preferably Nonferrous and light weight). Motor shall be located on the top frame.	
03	Application	The machine shall be used for Cold cutting of Carbon, Low & High alloy steel tubes, rods, SS, Aluminium and Copper etc. without the use of coolant. Mostly the materials to be cut are 9 Cr 1 Mo W steels (T 92), 9 Cr 1 MO steels (T 91) SA 210 Gr T 23, SA 210 Gr 22, SA 210 Gr T 12, SA 210 Gr T 12, SA 210 Gr C SS TP 347 H, Super 304 H	
04	Cutting range (maximum)	Tubes, Pipes and Rods: Maximum Diameter 120 mm. Sections: Maximum size 120 x 115 mm.	
05	Motor Power rating	Efficient electrical motor having a minimum power of 650 W. Input: AC 230 V, 50 Hz, 3 wire (Phase, Neutral and Earth)	
06	Input power cable	3 meter long cable with double insulation and with 3 pin plug compatible to Indian Standard.	
07	Motor Position	Motor to be located on the top frame.	
08	Lock Button for trigger switch	Provision to keep the Band Saw running continuously without holding the switch trigger in "ON"	
09	Control Knob	Knob / switch for changing the blade speed from low to High	
S.No	DESCRIPTION	SPECIFICATION	VENDOR'S OFFER

10	Cutting Blade Speed	Blade speed at high power: 80 meters /min. (minimum) Blade Speed at low power: 55 metres /min. (Minimum)																															
11	Bimetal Band Saw Blade size	1140 mm (length) 12.7 mm / 13 mm (Width) 0.63 mm / 0.65 mm (thick)																															
12	Pitch of blades used for Cutting	10 teeth per Inch of blade length & 14 teeth per Inch of blade length.																															
13	Machine Bearings	The Bearings used shall be lubricated and sealed type																															
14	Machine Weight	Not more than 7.1 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>14 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>235 Nos</td></tr><tr><td>d</td><td>Bearing</td><td>14 Nos</td></tr><tr><td>e</td><td>Blade Guide roller</td><td>14 sets</td></tr><tr><td>f</td><td>Work stop / Job guide</td><td>7 Nos</td></tr><tr><td>g</td><td>Handle</td><td>7 Nos</td></tr><tr><td>h</td><td>Speed change Knob/switch</td><td>14 Nos</td></tr><tr><td>i</td><td>Rubber tire</td><td>235 Nos</td></tr></table>	S.No	Spare part description	Qty	a	Armature—230 V	14 Nos	b	Electrical field assembly—230V	7 Nos	c	Carbon Brush	235 Nos	d	Bearing	14 Nos	e	Blade Guide roller	14 sets	f	Work stop / Job guide	7 Nos	g	Handle	7 Nos	h	Speed change Knob/switch	14 Nos	i	Rubber tire	235 Nos	
S.No	Spare part description	Qty																															
a	Armature—230 V	14 Nos																															
b	Electrical field assembly—230V	7 Nos																															
c	Carbon Brush	235 Nos																															
d	Bearing	14 Nos																															
e	Blade Guide roller	14 sets																															
f	Work stop / Job guide	7 Nos																															
g	Handle	7 Nos																															
h	Speed change Knob/switch	14 Nos																															
i	Rubber tire	235 Nos																															
16	Accessories	The following Bimetal Band Saw blades are to be supplied in addition to the one fitted on the machine. 1. Blades with pitch 10 TPI - 3 Nos. per machine (Total 141 Nos for 47 machines) 2. Blades with pitch 14 TPI - 2 Nos. per machine (Total 94 Nos for 47 machines) All Blades shall be packed in separate boxes.																															
17	Warranty	Warranty for a period of 12 months from the date of commissioning at BHEL.																															
18	Inspection	The total assembly of machine shall be tested at Vendor works & the test certificate shall be submitted to BHEL, prior to dispatch of the machine.																															
S.No	DESCRIPTION	SPECIFICATION	VENDOR'S OFFER																														
19	Deliverv	3 Months																															

20	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.																															
21	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 form.																															
22	Scope of supply	1. Each Band saw machine fitted with one 14TPI Bimetal Band saw Blade 2. Blades 141 Nos (10 TPI) – specification as per SI.No.11,12 3. Blades 94 Nos (14 TPI) – Specification as per SI.No.11,12 4. O& M manual- one per machine 5. Test Certificate of each machine prior to dispatch. 6. Essential Spares to be supplied for total 47 machines <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>14 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>235 Nos</td></tr><tr><td>d</td><td>Bearing</td><td>14 Nos</td></tr><tr><td>e</td><td>Blade Guide roller</td><td>14 sets</td></tr><tr><td>f</td><td>Work stop / Job guide</td><td>7 Nos</td></tr><tr><td>g</td><td>Handle</td><td>7 Nos</td></tr><tr><td>h</td><td>Speed change Knob/switch</td><td>14 Nos</td></tr><tr><td>i</td><td>Rubber tire</td><td>235</td></tr></table>	S.No	Spare part description	Qty	a	Armature—230 V	14 Nos	b	Electrical field assembly—230V	7 Nos	c	Carbon Brush	235 Nos	d	Bearing	14 Nos	e	Blade Guide roller	14 sets	f	Work stop / Job guide	7 Nos	g	Handle	7 Nos	h	Speed change Knob/switch	14 Nos	i	Rubber tire	235	
S.No	Spare part description	Qty																															
a	Armature—230 V	14 Nos																															
b	Electrical field assembly—230V	7 Nos																															
c	Carbon Brush	235 Nos																															
d	Bearing	14 Nos																															
e	Blade Guide roller	14 sets																															
f	Work stop / Job guide	7 Nos																															
g	Handle	7 Nos																															
h	Speed change Knob/switch	14 Nos																															
i	Rubber tire	235																															
23	General	1. The Supplier shall provide point by point reply with appropriate details or confirmation wherever applicable. 2. The offer shall contain technical catalogue for the offered Band Saw Machine & the blow-up Diagram of parts. 3. The offer shall be submitted in two parts. The Price Bid shall contain item wise price list for all items offered. 4. Offer which is not complete with respect to the above points are liable for rejection, without notice.																															