



Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

An ISO 9001
Company

ENQUIRY	Phone: +91 431 257 79 38 Fax : +91 431 252 07 19 Email : tvenkat@bheltry.co.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	2631300049	29.06.2013	31.07.2013

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
10	Portable Band Saw as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	104.00 Nos

Important points to be taken care during submission of offer

1. Delivery required **3 months** from the date of purchase order.
2. EMD for this Tender will be (INR) : **1,50,000.00**
3. Checklist No.: **TRY/IMP/02 and TRY/IND/02A** to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
4. 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-EMD**) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from 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 Enquiry reference "**2631300049**".

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 Sr. Manager / Capital Equipment / MM
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**TECHNICAL SPECIFICATION FOR HAND HELD PORTABLE ELECTRIC BAND SAW MACHINE
(Qty: 104 Nos.)**

S.No	DESCRIPTION	SPECIFICATION	VENDOR'S OFFER	DEVIATION
01	Machine type	Double speed Hi-duty Portable Band saw machine with 1140 mm long blade suitable for single phase AC 230V, 50HZ, 3 wire system with adaptor/plug compatible to Indian standard.		
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.		
03	Application	For Cold cutting of tubes, rods and other materials without the use of coolant.		
04	Job Material to be cut	Carbon steel, Alloy steel, Stainless steel, Aluminum Alloys, Copper etc.		
05	Cutting range (maximum)	Round pipe: 120 mm outside diameter. Section: 120 X 115 mm.		
06	Motor Power rating	Min 650 Watts		
07	Input power cable	3 meter long cable with double insulation and with 3 pin plug compatible to Indian Standard.		
08	Electric Motor Position	Motor to be located on the top frame at central location for easy balancing at the time of cutting.		
09	Lock Button for trigger switch	To keep the Band Saw running continuously without holding the switch trigger in "ON"		

S.No	DESCRIPTION	SPECIFICATION	VENDOR'S OFFER	DEVIATION
10	Control Knob for changing the speed.	Provision required for varying the blade speed from low to High (in steps or incremental)		
11	Cutting Blade Speed	Blade speed at high power : Minimum 80 meters /min. Blade Speed at low power : Minimum 55 meters /min.		
12	Band Saw Blade size	1140 mm length X 12.7 mm Width (44 7/8"x 0.5") Vendor to specify the thickness of blade.		
13	Pitch of blades used for Cutting	10 teeth per Inch of blade length & 14 teeth per Inch of blade length.		
14	Machine Bearings	The Bearings used shall be lubricated and sealed type		
15	Weight of The Machine	Should not exceed 7 Kg.		
16	Machine Spares	Vendor to provide list of Spares like Armature & Field Coils, Carbon brush, Blade Guides, Intermediate Gears, Bearings, work stop, Handle, speed change switch etc. in the offer. Any other spares recommended by the vendor may also be listed additionally. The unit price of spares should be quoted item wise with quantity in the sealed price bid.		
17	Accessories	The following blades are to be supplied in addition to the one fitted on the machine on per machine basis. Band Saw Blade with pitch 10 TPI - 3 Nos. per machine Band Saw Blade with pitch 14 TPI - 2 Nos. per machine All Blades shall be packed in separate boxes.		
18	Warranty	Warranty for a period of 12 months from the date commissioning at BHEL works.		

S.No	DESCRIPTION	SPECIFICATION	VENDOR'S OFFER	DEVIATION																											
19	Inspection	The total assembly of equipment ordered shall be tested & the test certificate shall be given to BHEL, prior to dispatch.																													
20	Delivery	3 Months																													
21	Commissioning	The equipment shall be commissioned by the supplier's representative at BHEL Works.																													
22	Documentation	Operation & Maintenance Manual or Instruction Manual with Trouble Shooting Chart (in English Language)- One number per machine shall be supplied along with machine.																													
23	Scope of supply	<ol style="list-style-type: none"> Band saw machine fitted with 14TPI Band saw Blade – 104Nos Blade 312Nos (10 TPI) – spec as per Sl.No.12,13 Blade 208Nos (14 TPI) – Spec as per Sl.No.12,13 O& M manual- 104 copies (one per machine) Test Certificate prior to dispatch for each machine Guarantee certificate for each machine. Essential Spares to be supplied(for total 104 machines) <table border="1" data-bbox="698 922 1384 1279"> <thead> <tr> <th>S.No</th> <th>Spare part description</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>a</td> <td>Armature—230 V</td> <td>25 Nos</td> </tr> <tr> <td>b</td> <td>Electrical field assembly—230V</td> <td>25 Nos</td> </tr> <tr> <td>c</td> <td>Carbon Brush</td> <td>104 sets</td> </tr> <tr> <td>d</td> <td>Bearing</td> <td>25 Nos</td> </tr> <tr> <td>e</td> <td>Blade Guide roller</td> <td>25 sets</td> </tr> <tr> <td>f</td> <td>Work stop / Job guide</td> <td>25 Nos</td> </tr> <tr> <td>g</td> <td>Handle</td> <td>10 Nos</td> </tr> <tr> <td>h</td> <td>Speed change Knob/switch</td> <td>50 Nos</td> </tr> </tbody> </table> <p>—any other additional spares at the time of ordering</p> 	S.No	Spare part description	Qty	a	Armature—230 V	25 Nos	b	Electrical field assembly—230V	25 Nos	c	Carbon Brush	104 sets	d	Bearing	25 Nos	e	Blade Guide roller	25 sets	f	Work stop / Job guide	25 Nos	g	Handle	10 Nos	h	Speed change Knob/switch	50 Nos		
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24	General	<ol style="list-style-type: none">1. The Supplier shall provide point by point reply with appropriate details or confirmation wherever necessary.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.		
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