

**BHARAT HEAVY ELECTRICALS LIMITED  
HEEP, HARIDWAR  
WEX-CNC**

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**TENDER NOTICE**

**NIT No. : 20150036/WEX/CNC/BLK2/0-347**

**Date: 05.02.2016**

Sealed open tenders on two parts (Techno-commercial & Price Bid) are invited from reputed retrofitters of machine tools for following work. Tender documents containing **Techno-Commercial Details as per Annexure-‘A’, Price Bid Format as per Annexure ‘B’ & CA certificate format as per Annexure ‘C’** can be obtained from the office of the undersigned or can be downloaded from BHEL web site [www.bhel.com](http://www.bhel.com) & [www.bhelhwr.co.in](http://www.bhelhwr.co.in).

The tenders will be received up to **1:45 pm on 19.02.2016** in the Tender box at the following address:

**Tender Box  
Tender Room  
4<sup>th</sup> floor, Main Administrative Building  
HEEP, BHEL, Haridwar  
Uttarakhand 249403**

Techno-commercial bids will be opened on the same day at **2:00PM**. In case of leave/holiday on **19.02.2016**, tenders will be opened on next working day at the same time. After opening of **Techno-commercial bid**, the capability and suitability of the bidders shall be evaluated and **Price bid** of the qualified bidders shall be opened in the presence of the available bidders. The date of opening of Price bid will be informed to the qualified bidders.

NIT No. & Date		Name of Work	Earnest Money (Rs.)	Tender Cost (Rs.)
20150036/WEX/CNC/BLK2/0-347	Date: 05.02.2016	Retrofitting of control of CNC shearing Machine, Plan No.2/0-347	20,000/-	Nil

1. Note :

- i) **Tenderer must ink sign and put seal on all pages submitted against the tender.**
- ii) **All subsequent amendments / changes shall only be notified on BHEL website [www.bhel.com](http://www.bhel.com) & [www.bhelhwr.co.in](http://www.bhelhwr.co.in) .**

(Vinitraj Tripathi)  
Engineer (WEX-CNC)  
HEEP, BHEL Haridwar

Scope of supply and Work

Name of work: Retrofitting of control of CNC shearing Machine, Plan No.2/0-347

NIT no. \_20150036/WEX/CNC/BLK2/0-347 Dated: 05.02.2016

**Brief About Existing Machine:**

1. Machine make: Hindustan Hydraulics, Jalandhar India
2. Machine Model: VS-3116
3. CNC system : Make: Delem , Controller Model: DAC 350 , I/O module : DM05 for X, Angle, Gap and stroke control.

**Requirement:** Retrofitting of machine with latest dedicated CNC control for X, Angle , Gap and Stroke control for CNC shearing machines.

**11.0 Scope of Supply:**

Sr. No.	Item description	Qty	Vendor compliance	Remarks
1.1	Dedicated CNC Controller with accessories for X, Angle , Gap and Stroke control for CNC shearing machine, Make: either Delem DAC 360 or equivalent	1 set	Yes/No	Vendor to provide details & comply
1.2	<b>Documents &amp; backup:</b> as per the following details: a) Operation , Maintenance and interfacing manual for new controller. 3 no. hard copies b) Revised Electrical Schematic Diagram of the machine. 3 no. hard copies c) Backup on Pen drive. 1 set	1 set	Yes / No	Vendor to provide details and comply

1.3	Spares: CNC controller same as at sr no. 1.1	1 set	Yes/No	Vendor to comply
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## 2.0 SCOPE OF WORK

S.No.	Activities	Vendor compliance (Yes/No)	Remarks
2.4	Installation, commissioning and interfacing of the new controller with existing switch gear and field elements of the machine.	Yes/no	Vendor to comply
2.5	Laying of power and I/O cables if required.	Yes/no	Vendor to comply
3.	<b>WARRANTY:</b> Party shall stand warranty for all the supplied material and work done for a period of one year from the date of successful commissioning of the material and final acceptance as per clause no. 5&6.	Yes /no	Vendor to comply
4.	<b>TRAINING:</b> Training of BHEL staff on operation and maintenance of the new controller during installation and commissioning at BHEL works for 3days.	Yes/No	Vendor to comply
5.	<b>PROVE-OUT OF MACHINE FUNCTIONS:</b> After final retrofitting of controller, vender has to prove all the existing features and functions of machine including automatic control and adjustment of stroke, baggage, angle and gap on the machine.	Yes/No	Vendor to comply
6.	<b>FINAL ACCEPTANCE:</b> Final Acceptance shall be at HEEP, BHEL, Haridwar after: <ul style="list-style-type: none"> <li>a) Upon completion of the scope of supply and scope of work at BHEL as in clause1 and 2 above.</li> <li>b) Final acceptance shall include clearance of all pending issues related to the work contract as per satisfaction of Engineer- in – charge.</li> <li>c) Successful Demonstration of various functions as envisaged in the technical scope.</li> </ul> After settlement of all pending issues related to work and supply, a certificate for Completion of works in all respect shall be released within 15 days by Production and Maintenance personnel of BHEL which will be the referred document for Final Acceptance and final payment to the vendor.	Yes / no	Vendor to comply
7.0	<b>DELIVERY:</b> ( IF DELIVERY PERIOD IS NOT OFFERED/ ACCEPTABLE, OFFER WILL NOT BE CONSIDERED FOR FURTHER PROCESSING)	Yes/ No	Vendor to comply
7.1	<b>Material:</b> Max. 12 weeks from the date of signing of work contract. Early delivery shall be acceptable		

	subject to approval by BHEL.		
7.2	<b>Work</b> : Total 2 weeks from the date of release of machine by BHEL.		
<b>8.0</b>	<b><u>LATE DELIVERY PENALTY (LD) CLAUSE:-</u></b>	Yes /No	Vendor to comply
8.1	Late delivery @ ½% per week subject to a maximum of 10% of the material cost including spare parts shall be applicable for delay in deliveries. Period for late delivery will be calculated from the date of signing of work contract.		
8.2	In case of delays in commissioning after handing over the machine as per clause 7.2 penalty @ ½ % per week subject to a max. Of 10% of the Commissioning Charges shall be applicable for delay beyond scheduled completion of work for reasons attributed to the party. Net delay for the purpose of calculating late commissioning will be considered as the delay in work completion. Period for LD will be counted from the date of release of machine.		
8.3	However total LD on account of clause 8.1 & 8.2 will be limited to 10% of work contract award value.		
8.4	The time period from invitation date for Pre dispatch inspection from vendor to the date of arrival of pre dispatch team to vendor's works and any other reasons attributed to BHEL will not be accounted in delivery period. This period will be excluded for the purpose of calculating LD. Vendor should intimate regarding PDI, at least 15 days in advance.		
<b>9.0</b>	<b><u>PRE-DISPATCH INSPECTION:</u></b>	Yes/No	Vendor to comply
9.1	BHEL reserves the right to carry out the Pre-dispatch inspection of all the items covered under Scope of Supply clause 1 to be carried out by BHEL representatives at party's works.		
9.2	Supplier shall formally invite BHEL for carrying out pre- dispatch inspection.		
9.3	Before inviting BHEL for pre dispatch inspection Vendor will submit Bill of material for material under SOS with at least 7 days prior notice and copy of electrical drawing/ schematic of machine to BHEL.		
9.3	Deputed BHEL persons will do pre acceptance at vendor works and give despatch clearance.		
9.4	Expenses of Boarding and lodging of BHEL personnel during PDI shall be borne by BHEL.		
<b>10.0.</b>	<b><u>EARNEST MONEY DEPOSIT ( EMD):</u></b>	Yes/No	Vendor to comply
10.1	Vendors have to deposit Rs <b>20,000/-</b> as the EMD. EMD may be deposited in cash ( as permissible under Income tax Act), through pay order or demand draft in favor of <b>Account officer, HEEP, BHEL, Haridwar payable at Haridwar</b> only. The exact value EMD will be declared in tender document.		
10.2	EMD May be converted to security deposit if the work is awarded.		

10.3	EMD of unsuccessful Vendors shall be refunded back normally within fifteen days of acceptance of award of work by the successful Vendor.		
10.4	EMD shall not carry any interest.		
10.5	<b>EMD by Vendor will be forfeited as per tender document, if</b> a) After opening the tender, the tenderer revokes his tender within the validity period or increases his earlier quoted rates. b) The tenderer does not commence the work within the period as per LOI/contract.		
10.6	<b>Offers without EMD will be rejected and will not be considered for evaluation.</b> However "The units registered under Single Point Registration Scheme of NSIC are eligible to get the following benefits under "Public Procurement Policy for Micro & Small Enterprises (MSEs) Order 2012" as notified by the Government of India, Ministry of Micro Small & Medium Enterprises, New Delhi vide Gazette Notification dated 23.03.2012. <ul style="list-style-type: none"> <li>• Issue of the Tender Sets free of cost;</li> <li>• Exemption from payment of Earnest Money Deposit (EMD).</li> </ul> Note: - MSE suppliers can avail the intended benefits only if they submit along with their offer, attested copies of EM-II certificate having deemed validity (five years from date of issue of acknowledgement in EM-II) or valid NSIC certificate or EM-II certificate along with attested copy of a CA certificate (Format enclosed Annexure –'C' attached where deemed validity of EM – II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining deemed validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiencies in above required documents are not submitted before price bid opening. If tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal." <b>Submitted documents for exemption of EMD should be notarized or attested by Gazetted officer.</b>		
<b>11.0</b>	<b><u>SECURITY DEPOSIT (SD):-</u></b>	Yes /No	Vendor to comply
<b>11.1</b>	Successful vendor shall deposit security. The rate of security deposit will be as below:		
	<ul style="list-style-type: none"> <li>• For work Up to Rs 10 Lakhs : <u>10% of work order value</u></li> </ul>		
	<ul style="list-style-type: none"> <li>• Above Rs 10 Lakhs upto Rs 50 Lakhs : Rs <u>1 Lakh + 7.5% amount exceeding Rs 10 Lakhs</u></li> </ul>		
	<ul style="list-style-type: none"> <li>• Above Rs 50 Lakhs: Rs <u>4 Lakhs + 5% amount exceeding Rs 50 Lakhs</u></li> </ul>		
<b>11.2</b>	The security deposit should be submitted before the start of work in the following forms:		

	i) Cash (As permissible under the Income Tax Act)		
	ii) Pay Order / Demand Draft in favour of <b>Account officer, HEEP, BHEL, Hardwar payable at Haridwar</b>		
	iii) Local cheques of Scheduled Banks, subject to realization.		
	iv) Bank Guarantee from Scheduled Banks/Public Financial Institution as defined in the companies Act. The Bank guarantee format should have the approval of BHEL.		
<b>11.3</b>	Security Deposit shall not carry any interest.		
<b>11.4</b>	EMD of successful tenderer can be converted and adjusted against the Security Deposit.		
<b>11.5</b>	100% of the Security Deposit amount shall be refunded to the vendor after final acceptance of the machine. <b>SD shall be released after the submission of Performance Bank Guarantee(PBG) by the vendor</b>		
<b>12.0</b>	<b><u>Performance Bank Guarantee (PBG):</u></b>	Yes / No	Vendor to comply
<b>12.1</b>	Vendor shall be required to submit a performance bank guarantee (PBG) for 10% of the total work order value which shall be valid for a period of 12 months from the date of Final acceptance of machine.		
<b>12.2</b>	The PBG shall be submitted on a non-judicial stamp paper of value not less than Rs.100/- issued by any one of the nationalised banks.		
<b>13.0.</b>	<b><u>PAYMENT TERMS:</u></b> <b>(Note : No advance payment shall be made to the vendor.)</b>	Yes /No	Vendor to comply
<b>13.1</b>	Part payment will be made after completion of following milestones a) First payment of 80% of material cost of WO along with 100% taxes & duties (Excise duty, CST/VAT as applicable) shall be payable after receipt of material at HEEP, BHEL, Hardwar. Vendor to ensure that all relevant documents are submitted. b) Final payment of balance 20% of material cost, 100% of commissioning cost including service taxes as applicable, will be made after final acceptance, subject to submission of PBG as per point '12.0'		
<b>13.2</b>	All the payments shall be made through e-payment after submission of following documents along with first bill. a) E-payment form duly filled (Form will be provided by BHEL) b) Income tax exemption letter (if applicable).		
<b>13.3</b>	Excise duty & CST/VAT will be paid on material cost and service tax will be paid on commissioning charges at actual. Related original documents to be submitted for availing MODVAT credit by BHEL.		
<b>13.4</b>	Timely submission of CENVATABLE invoices along with necessary documents to enable availment of CENVAT (Excise duty, Service Tax & VAT) credit by BHEL.		

	Note: Wherever CENVAT credit cannot be availed within given time limit due to delay in submission of invoices or for any other reasons attributed to vendor, loss of such CENVAT credit will be recovered from such vendor.		
<b>14.0</b>	<b><u>Risk Purchase Clause :</u></b> In case of delays in supplies / defective supplies or non-fulfillment of any other terms & conditions given in the work order the purchaser may cancel the work order in full or part thereof and may also make the purchase of the material / service from elsewhere / alternative source at the risk and cost of supplier. If vendor does not agree to above clause, their offer is liable to be rejected. In case any vendor accepts risk purchase clause initially and subsequently declines to honor the term in the eventuality of RISK PURCHASE, they may be banned for business with BHEL.	Yes / No	Vendor to comply
<b>15.0.</b>	<b><u>VENDOR'S OBLIGATION:</u></b>	Yes/no	Vendor to comply
	The vendor shall bring all types of hand tools including pneumatic/electrical drill machines, Laser equipment's, and grinders along with general purpose measuring instruments and testing equipment with them for successful commissioning of the machine & supplied system.		
<b>16.0</b>	<b><u>Commercial Terms:</u></b>	Yes/ No	Vendor to comply
16.1	Prices shall be quoted on "Firm Price" basis only. <b>The prices should only on F.O.R BHEL, Haridwar basis inclusive of Packing, Forwarding charges, freight &amp; insurance.</b> Installation & Commissioning Charges, applicable % of ED, VAT, Sales Tax, and Service tax should be clearly indicated in attached price bid format as per annexure-B.		
16.2	Validity of offer shall be for a minimum period of 120 days from the date of Tender Opening.		
16.3	The material will be dispatched to Central Plant Stores, HEEP, BHEL, Haridwar, with instructions to forward the same to Engineer-in-charge of this work BHEL, Haridwar.		
<b>17.0</b>	<b><u>BHEL'S OBLIGATION:</u></b>	Yes / No	Vendor to comply
17.1	Existing / retrofitted electrical schematic of the machine shall be provided by BHEL to the vendor.		
17.2	Crane facility and lifting tackles like slings, rope, D-Shackles shall be made available while working in BHEL premises only.		
17.3	Facilities of minor welding, brazing, minor machining facility required for rectification/fitting of supplied material, subject to the extent available in BHEL, shall be provided in BHEL premises only.		
17.4	Any civil work required for the erection of panel shall be done by BHEL.		
17.5	Electrical Input Power Supply: 415 volt $\pm$ 10 %; 50 Hz, 3 phase, 3 wire A.C. power supply, water & Compressed air at a pressure of 5 kg./cm <sup>2</sup> shall be provided by BHEL at one point only.		



17.6	The above requirements should be informed by the vendor in advance.		
17.7	Consumables like lubricants, kerosene oil, cotton waste etc. will be supplied free of cost by BHEL during execution of works inside BHEL premises.		
18.0	<b><u>GENERAL CONDITIONS:</u></b>	Yes / No	Vendor to comply
18.1	A point wise compliance statement shall be submitted by the party with reference to the above scope of supply against each clause/ sub-clause with relevant details & comments. Non-compliance to any of the clauses & quoting inadequate quantity can lead to dis-qualification of the offer.		
18.2	The Vendor is advised to inspect the machine prior to quoting to ascertain all the relevant details required for successful completion of the work.		
18.3	The offers of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site <a href="http://www.bhel.com">www.bhel.com</a>		
18.4	<b>The award of works will be made on basis of the lowest total of Material cost, Commissioning charges and all taxes, duties as applicable i.e. Cost to BHEL.</b>		
18.5	The Vendor should submit their best price at this stage itself and they will not be allowed to revise the price. Any revision / discount given by the vendor subsequently will be ignored.		
18.6	<b><u>RULES AND REGULATIONS OF THE CENTRAL/STATE GOVERNMENT:</u></b> In the event of award of any contract, vendor will have to comply and abide by all the laws/enactment of state and central government. Documents regarding registration with Sales Tax and Excise authorities may also to be forwarded along with income tax clearance.		
18.7	BHEL reserves the right to reject the lowest or any tender or accept any tender in full or in part without assigning any reasons whatsoever.		
18.8	If any information/documents submitted by the Vendor are found false/fake at any stage, the tender submitted by the Vendor will be cancelled and earnest money deposited shall be forfeited debarring from the future participation in tenders.		
18.9	In case more than one contractor quotes equal L-1 rates, lottery shall be drawn among L-1 parties to decide one L-1 party.		
18.10	Conditional tender is likely to be rejected.		
18.11	The risk of delay/loss by post/courier rest with the bidder.		
19.0	<b><u>OFFER:</u></b> - The offer should be submitted in two parts and in following manner.	Yes / No	Vendor to comply

19.1	<p><b><u>Techno-commercial Bid :</u></b></p> <ul style="list-style-type: none"> <li>a) The envelop shall contain the Techno-commercial Bid (ANNEXURE 'A') with technical details and commercial terms &amp; conditions along with Unpriced price bid as per ANNEXURE 'B' with clear undertaking that no deviation from BHEL's price bid format , relevant documents like copies of ESI, PF code, PAN No., Service Tax Reg. No., TIN No., CST No., Experience Certificates, Audited Balance Sheet of last 3 years, EMD and all the documents related to clause 21 (Demand draft for tender document cost shall also be accompanied in case tender documents are down loaded from BHEL website. Offers without the EMD will not be considered except having valid NSIC certificate).</li> <li>b) The envelop shall be super scribed with "Techno-Commercial Bid", Name of work, NIT No. and Date of opening.</li> <li>c) Point-wise compliance of this scope of supply and work is to be given by vendors while submitting their techno-commercial offer in the format provided by BHEL. Each page of the compliance list has to be ink signed &amp; stamped by the vendor.</li> <li>d) The vendor must note that no prices are to be quoted/ mentioned in the techno-commercial offer.</li> <li>e) All of the documents related to EMD exemption and PQR qualifying criteria must be putted in Techno-commercial bid envelope.</li> </ul>		
19.2	<p><b><u>Price Bid :</u></b></p> <ul style="list-style-type: none"> <li>a) The second envelope shall contain only the price bid with separate price for material and work &amp; applicable taxes &amp; duties on Price Bid Format only as per <b><u>ANNEXURE 'B'</u></b>.</li> <li>b) Any other information in the price bid shall not be considered and the quotation is likely to be rejected. Price bid document shall be ink signed &amp; stamped by the bidder at the bottom of the page.</li> <li>c) The envelope shall be sealed and super scribed with "Price Bid", Name of work &amp; NIT No.</li> <li>d) Price bids of techno commercially accepted vendors shall be opened (In presence of available vendors at the time of opening).</li> </ul>		
19.3	<p>Both the envelopes shall be kept in another sealed cover. The cover shall be super-scribed with "Tender for (name of work), NIT No. &amp; due date" and shall be submitted in the <b>"Tender Box, placed at Tender Room, at 4rth Floor, Main Administrative Building, HEEP, BHEL, Haridwar -249403, Uttarakhand"</b> and it should also contain the Bidder's name and contact address.</p>		

20.0	<p><b>Packing:</b> Supplier shall arrange for adequate protection and packing of the consignment so as to avoid loss and damage during transit and also take appropriate measures to prevent metal parts from rusting and corrosion during transit. Handling instructions shall be clearly printed /painted on the packages. Each package should carry a detailed packing slip with item names.</p> <p>Supplier shall be responsible for any loss/damage during transit due to defective/inadequate packing. Any item which is damaged must be replaced with new one, repairing is not acceptable.</p>	Yes / No	Vendor to comply
21.0	<b>PRE QUALIFYING CONDITIONS: Offer only from the Vendors meeting the following conditions will be processed further.</b>	Yes / No	Vendor to comply
21.1	Average Annual financial turnover during the last 3 years, ending 31st March 2015, should be at least Rs <b>2.56Lacs</b> . Vendor should submit Audited balance sheets for the last three years along with techno commercial bid.		
21.2	<p>The Vendor must have successfully completed the CNC retrofitting / reconditioning/ Manufacturing project during last seven years ending 31<sup>st</sup> August 2015 and these projects should fulfill either of the following:</p> <p>a. Three projects with each project costing not less than Rs 3.42 Lacs.</p> <p style="text-align: center;">or</p> <p>b. Two projects with each project costing not less than Rs 4.27 Lacs.</p> <p style="text-align: center;">or</p> <p>c. One project with project costing not less than Rs 6.83 Lacs.</p>		
21.3	Vendor has to submit one successful retrofitting / reconditioning/ manufacturing project of press brake / Shearing machine, during last seven years ending 31st August 2015 , with offered make of CNC controller .		
21.4	The above retrofitted / supplied machines should be running satisfactorily for at least 6 months prior to 31/01/2016. Vendor to provide P.O./ W.O. / MOM copies and commissioning / performance certificates / relevant MOM for satisfactory operation of the above retrofitted systems along with name, address & contact details of their customer. BHEL reserves the right to verify the information provided.		

**Annexure -B****Price Bid format****Name of work: Retrofitting of control of CNC shearing Machine, Plan No.2/0-347****NIT no.: 20150036/WEX/CNC/BLK2/0-347 Dated: 05.02.2016****Vendor details:**

Sl. No.	Description of item	Unit	Qty	Basic Rate (in Rs.)	Excise Duty (in %)	VAT/CST (In %) (VAT with FORM-17 or CST with C-FORM)	Service Tax (In %)	Value (in Rs.)
1	Material	Set	01		%	%		Rs.
2	Installation & Commissioning	Set	01					Rs.
	TOTAL COST							Rs.

Signature &amp; Seal of Vendor

**Name of work: Retrofitting of control of CNC shearing Machine, Plan No.2/0-347**

**NIT no. 20150036/WEX/CNC/BLK2/0-347 Dated: 05.02.2016**

**Certificate by Chartered Accountant on Letter Head**

This is to certify that M/s ..... (hereinafter referred to as ‘company’) having its registered office at ..... is registered under MSMED Act 2006, Entrepreneur Memorandum No. Part –II ..... Dtd: ..... Category: ..... (Micro/ small). (Copy enclosed).

Further verified from Books of account that the investment of the company as per the latest audited financial year..... as per MSMED Act 2006 is as follows:

1. For Manufacturing Enterprises: Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by Ministry of small scale Industries vide its notification No. S.O. 1722(E) Dtd. October 5 , 2006):

Rs. .... Lacs

2. For Service Enterprises: Investment in equipments (i.e. original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under MSMED Act, 2006):

Rs. .... Lacs

(Strike off whichever is not applicable)

The above investment of Rs..... Lacs is within permissible limit of Rs.....Lacs for..... (Micro/ small) (Strike off whichever is not applicable) category under MSMED Act 2006.

Or

The company has graduated from its original capacity (Micro/ small) (Strike off whichever is not applicable) and date of graduation of such enterprise from its original capacity is..... (dd/mm/yy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S. O. No. 3322 (E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by ministry of MSME.

Date:

(Signature)

Name-

Membership No.-

Seal of Chartered accountant