



BHARAT HEAVY ELECTRICALS LTD.  
 (A GOVT. OF INDIA UNDERTAKING)  
 P.O BHEL Jhansi - 284129, INDIA  
 Tel.:0510-277001/2412260 Fax: 2412120  
 Email : mmx@bheljhs.co.in

**PURCHASE ENQUIRY**

ENQ NO/DT:	E6440070	03/03/15	PAGE	1 6
REV NO/DT:	0	03/03/15		

PLEASE SEND YOUR BEST QUOTATION AS PER TERMS & CONDITIONS PREPRINTED OVERLEAF AND/OR ATTACHED AND REMARK PRINTED UNDERNEATH.	
Enqr Due on:	27-03-15 FRIDAY
Close at:	13:15 Open at:14:00
Matcat:	644999 NON PMD CATEGORY
Validity:	90 days from Technical bid opening date
IEM:	
TOP:	60 Days after receipt & acceptance of Material
RA:	RA not applicable
Eval:	Item wise
REQUIRED: GUARANTEE CERT/ CONFORMANCE CERT	
Bid Type:	TWO BID
Tot Item:	1
Delivery:	FOR Jhansi
E-Proc:	No

ITEM NO :	1	PSL QTY/UM:	1.00 ST
MATL CODE :	JS8107731011	PO QTY /UM:	
DESTINATION:	JS		

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
RECONDITIONING OF SHEET GUIDING SYSTEM INCLUDING SUPPLY, INSTALLATION & COMMISSIONING OF LEAD SCREW WITH NUT ASSEMBLY, CONNECTING LINKS, GUIDES & CHAINS ETC. AS PER BHEL SPECIFICATION NO.: WEX/SPECS/CNC/GEORG/1077/01/R02.	MAY-15	1.00

**SPECIAL REMARKS:**

OUR CONTACT DETAILS ARE AS UNDER  
 DIRECT FAX NO IS 0510-2412120 / 2770161.  
 PHONE NO. 0510-2412435 / 2412756 / MOB-09453039769.  
 E-MAIL : rahulkm@bheljhs.co.in & mupadhya@bheljhs.co.in

**ENQUIRY REMARKS:-**

- 1- MANDATORY ANNEXURE TO BE SUBMITTED ALONG WITH OFFER.
- 2- VENDOR TO SUBMIT OFFERS IN TWO BID. OFFERS RECEIVED IN SINGLE BID MAY NOT BE CONSIDERED. VENDOR ARE REQUESTED KINDLY FURNISH CLAUSE WISE COMMENTS ON ALL ENQUIRY CLAUSES. IF ANY VENDOR NOT COMMENTED IN THIS SITUATION IT WILL BE ASSUMED THAT ALL ENQUIRY CLAUSES ARE ACCEPTED TO THEM.
- 3- VENDOR HAS TO CONFIRM TO SUPPLY ITEM AS PER DESCRIPTION OF ENQUIRY (COMPLETE DESCRIPTION OF ITEM) IN TECHNO COMMERCIAL BID.
- 4- CONFORMANCE CERTIFICATE WILL BE PROVIDED (ALONG WITH SUPPLY).
- 5- DELIVERY TERMS:  
 I- RATES ARE TO BE QUOTED F.O.R. BHEL JHANSI (INCLUSIVE OF FREIGHT & INSURANCE CHARGES).  
 II- IF RATES ARE EX-WORKS, AMOUNT OF FREIGHT & INSURANCE IS TO BE MENTIONED IN TECHNICAL BID TO DELIVER MATERIAL AT BHEL JHANSI.  
 III- IN CASE OF NON-ACCEPTABLE OF ABOVE, OFFER MAY BE REJECTED BY BHEL.
- 6- VALIDITY - QUOTED PRICES ARE VALID FOR 90 DAYS FROM DATE OF TENDER OPENING.
- 7- WARRANTY - WARRANTY SHALL BE 18 MONTHS FROM THE DATE OF COMMISSIONING OR 24 MONTHS DATE OF SUPPLY WHICHEVER IS EARLIER.
- 8- LIQUIDATED DAMAGE/PENALTY -FAILURE TO SUPPLY BY THE TIME SPECIFIED IN THE ORDER WILL MAKE THE SUPPLIER LIABLE TO PAY UNCONDITIONAL PENALTY OF 0.5 % OF THE PRICE OF THE GOODS IN ARREAR (DELAYED AND NOT SUPPLIED) PER WEEK SUBJECT TO A MAXIMUM OF 10% OF THE ORDER VALUE.
- 9- TERMS OF PAYMENT :  
 I- 100% PAYMENT AFTER 60 DAYS OF RECEIPT AND ACCEPTANCE OF MATERIAL AT



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ENQ NO/DT:	E6440070	03/03/15	PAGE	2 6
REV NO/DT:	0	03/03/15		

- BHEL WORKS.
- II- PAYMENT TERMS MSMED ARE ALSO ACCEPTABLE PROVIDED VENDOR HAS TO SUBMIT MSMED LATEST CERTIFICATE.
  - III- ANY OTHER PAYMENT TERMS WILL BE LOADED FOR DEVIATION PERIOD AS PER FORMULA GIVEN BELOW
  - A- FOR DOCUMENTS THROUGH BANK/COD(CASH ON DELIVERY i.e. AGAINST DRS): FOR 75 DAYS@ (BASS RATE OF SBI ON ENQUIRY DUE DATE + 6%) PER ANNUM.
  - IV- ADVANCE OR PRIOR TO DISPATCH OR LC OR CAD PAYMENT TERMS WILL NOT BE ACCEPTED AND IF QUOTED OFFER WILL BE REJECTED.
  - 10- VENDOR HAS TO MENTION THEIR CONTACT NUMBER, NAME OF CONTACT PERSON, EMAIL ID AND FAX NUMBER, IN THEIR OFFER.
  - 11- THE INSPECTION SHALL BE DONE BY BHEL AT BHEL AFTER RECEIPT OF MATERIAL.
  - 12- ALL THE TAXES AND DUTIES APPLICABLE ARE TO BE MENTIONED.
  - 13- TENDER SHOULD BE SUBMITTED IN DOUBLE COVER UNDER TWO PART BID DEPICTED BELOW :-
  - I- THE OUTER COVER SHOULD ONLY BEAR THE ADDRESS OF THIS OFFICE AND SHOULD NOT HAVE ANY INDICATION THAT A TENDER IS WITHIN:

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TO,

SR. DGM (MM)  
MATERIAL MANAGEMENT DEPARTMENT  
ADMINISTRATIVE BUILDING  
P.O. - BHEL, JHANSI (UP)  
PIN - 284129

- 
- II- THE TWO INNER COVERS SHALL CONTAIN THE TECHNO COMMERCIAL BID IN ONE AND THE PRICE BID IN ANOTHER. EACH COVER SHALL BE SUPER - SCRIBED WITH THE BIDDER'S NAME, ADDRESS, TENDER NUMBER AND DUE DATE ON THE RESPECTIVE COVERS AS SHOWN BELOW :-

-----  
TECHNO-COMMERCIAL BID COVER (PART- I)  
TENDER NO. \_\_\_\_\_ DUE ON \_\_\_\_\_

TO,  
SR. DGM (MM)  
MATERIAL MANAGEMENT DEPARTMENT  
ADMINISTRATIVE BUILDING  
P.O. - BHEL, JHANSI (UP)  
PIN - 284129

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PRICE BID COVER (PART-II)  
TENDER NO. \_\_\_\_\_ DUE ON \_\_\_\_\_

TO,  
SR. DGM (MM)  
MATERIAL MANAGEMENT DEPARTMENT  
ADMINISTRATIVE BUILDING  
P.O. - BHEL, JHANSI (UP)  
PIN - 284129

- 
- III- THE TENDERS DULY FILLED IN AND COMPLETE IN ALL RESPECTS TO BE DROPPED IN THE TENDER BOX LOCATED AT CISF GATE OF OUR ADMINIST- RATIVE BUILDING TILL 13.15 HRS ON THE TENDER OPENING DATE AS NOTED IN THE COVERING LETTER.
  - IV- ALL THE "TECHNO COMMERCIAL BID" TENDER RECEIVED SHALL BE OPENED FROM 1400 HRS IN THE TENDER ROOM LOCATED IN ADMINISTRATIVE BUILD- ING ON THE TENDER OPENING DATE IN PRESENCE OF BIDDERS OR THEIR REPRESENTATIVES AS MAY BE PRESENT.
  - V- BIDDERS ARE ADVISED TO NOTE & STRICTLY FOLLOW THE TIME SCHEDULES AS NOTED AT PRECEDING PARA'S ABOVE TO AVOID INCONVENIENCE LATER AND POSSIBILITY OF NON ACCEPTANCE OF TENDER BY BHEL.



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ENQ NO/DT:	E6440070	03/03/15	PAGE	3
REV NO/DT:	0	03/03/15		6

- 14- VENDOR TO CONFIRM ALL THE CLAUSE OF THE ENQUIRY IN THEIR TECHNICAL BID. COPY OF BLANK PRICE BID TO BE SUBMITTED WITH TECHNICAL BID.
- 15- VENDORS TO CONFIRM ALL THE GENERAL TERMS AND CONDITION OF THE ENQUIRY IN THE TECHNICAL BID.
- 16- INSTALLATION & COMMISSIONING SHOULD COMMENCE WITHIN 10 DAYS OF INTIMATION FROM BHEL FOR START OF WORK & SHOULD COMPLETE WITHIN 30 DAYS FROM THE DATE OF COMMENCEMENT.
- 17- OVERALL ALIGNMENT OF GUIDING ARRANGEMENT SHOULD BE WITHIN (+/-)1 MM.
- 18- QUALIFYING CONDITIONS & GENERAL CONDITIONS: AS PER ANNEX:A
- 19- ALL OTHER TERMS AND CONDITION UNLESS OTHERWISE SPECIFIED AND DIRECTED ARE AS PER GENERAL TERMS & CONDITION OF PURCHASE ENQUIRY.

THE QUOTATION MUST BE SEALED AND BE SENT IN DOUBLE ENVELOPE.  
 THE INNER ENVELOPE SHOULD BEAR ENQUIRY NUMBER & DUE DATE AT THE TOP.

If you are not in a position to quote due to any reason, you must send regret letter titled enquiry no. etc, failing which you may not be considered for sending future enquiries.

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 ENCLOSERS:

FOR AND ON BEHALF OF  
 BHARAT HEAVY ELECTRICALS LTD  
*ARJUN EMIY*  
*03/03/15*  
 MANOJ UPADHYAYA  
 DY MANAGER (MM)  
 Email:-mupadhyaya@bheljhs.co.in

\*\*\*\*\* END OF PURCHASE ENQUIRY \*\*\*\*\*

NOTE :

- \* SUPPLIERS ARE REQUESTED TO INFORM US WITH VALID CERTIFICATE, IF THEY ARE REGISTERED UNDER MSMED ACT'2006. (APPLICABLE FOR INDIAN SUPPLIERS ONLY).
- \* FOR SUPPLIERS SUPPLYING FROM OUTSIDE THE LOCAL AREA OF BHEL JHANSI, ENTRY TAX WILL BE APPLICABLE. SUPPLIERS SHOULD NECESSARILY INDICATE RATE OF ENTRY TAX SEPARATELY WHEREVER APPLICABLE. THEY SHOULD ALSO MENTION THE ENTRY TAX CHARGED SAPARATELY IN THE INVOICE.
- \* FOR SUPPLIERS SUPPLYING FROM OUTSIDE UP, IN CASE THE OFFER IS SILENT ON ENTRY TAX, IT SHALL BE LOADED SUITABLY WITH THE APPLICABLE RATES
- \* IN CASE IF THERE IS ANY DIFFERENCE BETWEEN THE 'SPECIAL REMARKS/ANNEXURES' OF THE ENQUIRY AND THE PREPRINTED TERMS & CONDITIONS (REF JSC140/M2053), THE REQUIREMENT GIVEN IN REMARKS WILL PREVAIL.



**BHARAT HEAVY ELECTRICALS LIMITED, JHANSI  
(WORKS ENGINEERING AND SERVICES DEPARTMENT)**

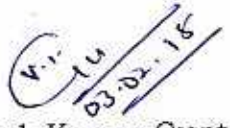
Annex: A

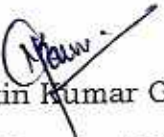
**QUALIFYING CONDITIONS:**


1. Supplier should have experience of successful execution of supply, installation & commissioning of CNC mechanical drive within last Three years from the date of enquiry.
2. Successful supply, installation & commissioning certificate are required in support of point no.1.
3. BHEL executive/s may also visit supplier's works for detailed assessment of his capability to execute the job.
4. Supplier should visit our works to understand the nature/scope of work & for technical discussion/clarifications, if any.


**GENERAL CONDITIONS:**


1. Recondition of sheet guiding system/ installation & commissioning work to be done by the supplier in BHEL, Jhansi.
2. Offer must be submitted with details containing:
  - (i) Scope of supply complete with quantity.
  - (ii) Scope of work.
  - (iii) Time required for the completion of reconditioning work.
3. Scope of work includes manpower and tools & tackles for reconditioning and erection of all required items for successful completion of work.
4. All supplied items are to be fitted in Sheet Guiding System upto shear of CNC Georg Cropping Line machine.
5. Guarantee of the work shall be 12 months from the completion of work.


  
Vivek Kumar Gupta  
(Sr. Engineer/Plg)

  
Nitin Kumar Gaur  
(Dy. Manager/MC-1 & 3)

  
Vijay Verma  
(Dy. Manager/Electronics)

  
(DCM/WEX)

  
(AGM/WE&S)

  
(एस. जेठ चक्रवर्ती)  
अपर महाप्रबन्धक  
कार्य अभियांत्रिकी एवं सेवा  
बी.एच.ई.एल., झांसी



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(WORKS ENGINEERING AND SERVICES DEPARTMENT)**

WEX/SPECS/CNC GEORG/1077/01/R02

04.12.2014

**SUB: Supply, Installation & Commissioning of Lead Screws with Nuts & Guides for Georg CNC Cropping Line**

Cropping Line is a special purpose CNC m/c to cut CRGO sheets for the mfg. of laminations of transformer core. The M/C was supplied & commissioned in the year 1977. The machine is having sets of precision lead screws and nuts linked in motion with bevel gears for changing width of sheet guides. Guides are positioned by their individual lead screws to maintain same centre line for all guides and synchronized movement of lead screw is essential. Due to Continuous operation of machine, lead screws & Guides have worn out resulting in backlash in their operation. This problem results in disturbance of the sheet guides of the machine, which leads to improper cropping of laminations due to mismatch between guide centre and shear centre. Rejection of such improperly cropped laminations finally leads to heavy generation of scrap in addition to the high downtime of machine due to guide disturbance. In order to reduce the high rejection of cropped laminations as well as frequent downtime of m/c, the mechanism of sheet guiding system needs to be rectified. In order to set right the guiding mechanism, drawings of critical components like lead screws, lead nuts & guide segments have been made on the basis of dimensions of the actual components. Supply of these components as per the drawings & the work involved in assembling these to refurbish the guiding mechanism will be as per the details given below-

**SCOPE OF SUPPLY:**

Supply of Lead Screws assembly (Lead Screw with nuts & Connecting Links) and Guides (In-feed, Main Guide & Chain Guide blocks with suitable chain) as per Drawing No. BHEL/JHS/WE&S/A4-1926 (Sheet 1 to 21) suitable for Guide adjustment of CNC Georg Cropping Line machine.

**ITEM NO. 1: Lead Screws with Nut Assembly: (Total-7 Sets)**

**(i) In feed & Main Guide Lead Screw & Nut assembly:**

**Ref. Drawing:** Lead Screws as per Lead Screw 1 to 4 (ref. Sheet No. 2 to 5) of Drawing No. BHEL/JHS/WE&S/A4-1926 (1 no. each, total 4 nos.) and **anti-backlash nuts** (8 Sets), each set include Item No. 1 & 3; ref. Sheet No. 9 of Drawing No. BHEL/JHS/WE&S/A4-1926.

**(ii) Chain Guide Lead Screw & Nut assembly:**

**Ref. Drawing:** Lead Screws as per Lead Screw 5 to 7 (ref. Sheet No. 6 to 8) of Drawing No. BHEL/JHS/WE&S/A4-1926 (1 no. each, total 3 nos.) and nuts (4 Sets), each set include Item No. 1 & 2; ref. Sheet No. 9 of Drawing No. BHEL/JHS/WE&S/A4-1926.

**ITEM NO. 2: Connecting Links with nuts: (Total- 2 Sets)**

Supplier has to supply connecting/drive Links (1 no. each) with nuts (2 Sets) (ref. Sheet 19 to 21 of Drawing No. BHEL/JHS/WE&S/A4-1926) of sheet guiding mechanism as installed in the machine. Gears required for transmission shall be provided by BHEL.

**Note:** Supplier has to provide LH & RH threaded lead screws with end machining for required fittings. Minor rectification may be required at the time of assembly as drawings have been made with existing spares.



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**ITEM NO. 3:** In feed & Main Guides: (Total- 12 nos.)

(i) In feed Guide- L+R = (Total-2 nos.)

(ii) Main Guide- 1L & 1R (1 no. each) +2L & 2R (1 no. each) +3L & 3R (1 no. each) +4L & 4R (1 no. each) +5L & 5R (1 no. each) = Total-10 nos.

**Ref. Drawing:** BHEL/JHS/WE&S/A4-1926 (Sheet 10 to 16);

**ITEM NO. 4:** Chain Guides: (Total- 28 nos.)

(i) Chain Guide 1- Total: 24 nos.

(ii) Chain Guide 2- Total: 2 nos.

(iii) Chain Guide 3- Total: 2 nos.

**Ref. Drawing:** BHEL/JHS/WE&S/A4-1926 (Sheet 17 & 18);

**ITEM NO. 5:** Chain for mounting chain guide blocks:

(As per existing installed chain on the machine)

1 no. Simplex Chain with 3/4" pitch, 4 Meter Length

Roller diameter: Ø15.5 mm & Inner Width: 10 mm

Pin Size (to hold chain guides): 70 mm Length X 7 mm Diameter

**SCOPE OF WORK:**

**1. Dismantling of existing Lead Screws, Guides & Chains:** Dismantling of all existing lead screw & guide assembly etc. from machine required for installation of supplied items (ITEM NO. 1 TO 4).

**2. Installation, Commissioning & Trial Operation:** Complete assembly of Lead Screws, Guides & chain along with assembly of all end fittings & linkages. Job proving w/ repeatability in all guide alignment with minimum 4 different job sizes.


**SPECIAL REMARKS:**

**1. Test Certificate:** Valid Test Certificate from Govt. Approved Test Lab is required along with all the material being supplied.

**2. Warranty:** Minimum 12 months.

  
Sr. Engineer/WEX

  
Dy. Manager/MC-1&3

  
DGM-WEX  
4/12/14

  
4/12/14  
AGM-WEX

TECHNO COMMERCIAL (PART-I) FOR ENQUIRY NO. E.....

SUPPLIER'S NAME: .....

CONTACT NO.....Email Id.....

TIN NO. .... CST NO. ....

Sl. no.	Particulars	Supplier's Confirmation
1-	Item as per description given in Enquiry no. E.-..... (Complete description of item). Vendor can also enclose item description as per enquiry for technical scrutiny.	Accepted
2-	<b>Delivery :-</b> - Commencement in days from date of PO issue - Supply rate <b>Or</b> Delivery in days from date of PO issue	.....Days..... Nos. / Kg. / Set / per month .....Days
3-	Conformance / Test certificate / Guarantee certificate as specified in enquiry) certificate will be provided (along with supply).	Accepted
4-	Excise Duty      (Mention NA if not applicable)	.....%
5-	VAT (mention NA if not applicable)	.....%
6-	CST (mention NA if not applicable)	.....%
7	Delivery Terms (F.O.R BHEL Jhansi basis)	Accepted
7a	If rates are ex-works, amount of freight & insurance charge	Rs.....or.....%
8-	Packing & forwarding charges (if applicable)	.....%
9-	Prices are firm and no PVC is applicable	Accepted
10-	<b>Validity</b> - Quoted prices are valid for 90 days from date of tender opening.	Accepted
11-	<b>Warranty</b> - Warranty Shall Be 18 Months From The Date Of Commissioning Or 24 Months Date Of Supply Whichever Is Earlier.	Accepted
12-	<b>Liquidated Damage / Penalty</b> - Failure to supply by the time specified in the order will make the supplier liable to pay unconditional penalty of 1/2% of the price of the goods in arrear (delayed and not supplied) per week subject to a maximum of 10% of the order value. (In case of non acceptance 10% loading will be done)	Accepted

13-	<p><b>Terms of payment -</b></p> <p>100% payment after 60 days of receipt and acceptance of material at BHEL works. (For any other days loading will be done)</p> <p>The suppliers who are availing SIDBI / HDFC discounting facility (pay by BHEL in about 120 days from the date of invoice) with us will continue to get this facility. However, due to funds problems, this facility cannot be extended to other suppliers. These payment terms will be treated as standard terms of payment. The bidder who are covered under MSMED Act – 2006 &amp; quoted 45 days of payment after acceptance of material will also be treated as standard terms of payment.</p> <p>Advance or prior to dispatch or LC or CAD payment terms will not be accepted and if quoted offer will be rejected.</p> <p>BHEL will load total out flow in case of other terms as follows</p> <p>Through Bank / COD - (SBI Base Rate on Enq. due date + 6%) for 75 days.</p>	Accepted
14-	INSTALLATION & COMMISSIONING SHOULD COMMENCE WITHIN 10 DAYS OF INTIMATION FROM BHEL FOR START OF WORK & SHOULD COMPLETE WITHIN 30 DAYS FROM THE DATE OF COMMENCEMENT.	Accepted
15-	OVERALL ALIGNMENT OF GUIDING ARRANGEMENT SHOULD BE WITHIN (+/-)1 MM.	Accepted
16-	QUALIFYING CONDITIONS & GENERAL CONDITIONS: AS PER ANNEX:A	Accepted
17	<b>Inspection Clause as per enquiry remark</b>	Accepted
18-	<b>All others Terms &amp; Condition of enquiry is acceptable</b>	Accepted

**NOTE:** - Commercial terms and condition mentioned in above format will be considered as final. If these conditions are given elsewhere then they will not be considered. In case of ambiguity.

**Signature of Supplier & seal** :

**Address**

**PRICE BID(PART-II)**  
**ANNEXURE TO ENQUIRY NO. E-.....**

SUPPLIER'S NAME: .....

TIN NO. .... CST NO. ....

Enquiry item no.	Quoted rate in figure (Rs. / no. / kg. / set)	Quoted rate in words (Rs. / no. / kg. / set)
Enq. # 1		

Signature of Supplier & seal        :

Address