



ISO 9001:2000
&14001:2004
NAVARATNA
COMPANY

BHARAT HEAVY ELECTRICALS LTD.
CENTRAL FOUNDRY FORGE PLANT,
RANIPUR, HARIDWAR ,UTTRAKHAND (INDIA) – 249403
Phone No.+91-1334-281277/284548,FAX No. 225892
e-mail :manoj26@bhelhwr.co.in,
ranjank@bhelhwr.co.in,svn@bhelhwr.co.in

Sub: Open Tender Enquiry No: 3040 P/371/1/0724P1 due on 23.04.2012, at 2.00 PM.

Dear Sir,

We are pleased to invite offer as per enclosed technical specification, drawings (if any) with terms and conditions in sealed covers for the under mentioned items.

S.No	Tender No	Description of Material	Qty	Date & Time of Opening
01	3040 P/371/1/0724P1	Ultrasonic Machine	02 Nos.	23.04.2012, at 2.00 PM

Kindly read terms and conditions carefully and submit offer in time. Offer not in accordance with the instructions is liable to be disqualified and or ignored.

Please visit www.bhel.com or www.bhelhwr.co.in for more details and tender documents.

Vendor who are not registered in CFFP/BHEL also down load Supplier Registration Form from above mentioned website and submit the same dully filled along with offer.

Thanking You,

Yours faithfully,
For & On behalf of CFFP BHEL Hardwar

(Ranjan Kumar)
DGM (Purchase)

Note: Kindly refer web for any changes. All corrigenda, addenda, amendments, time extensions, clarifications, etc. to the tender will be hosted only on website. Bidders should regularly visit website to keep themselves updated.

निविदा सूचना सं. ENQUIRY NO.*	3040 P/ 371/1/0724P1	दिनांक Date	29-03-2012
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कृपया निम्नलिखित के लिए निविदा दें। PLEASE QUOTE FOR THE FOLLOWING :

M/S. ::

DUEDATE

23-04-2012

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Vendor Code

09285

INDIA

SL	MATERIAL CODE ITEM DESCRIPTION	QUANTITY	UNIT	LOTNO	LOT DELIVERY QTY SCHEDULE
1	FF4210611018 ULTRASONIC MACHINE AS PER SPEC NO.:CFF/FQC/UT-01,R01, DT.: 03.03.2012 SPEC: AS PER ANNEXURE REV: ??	2	NO	1	2 25/07/12

** IMPORTANT: This enquiry is 2 part tender. Techno-Commercial bid (Part-1) & Price Bids (Part-2) should be submitted in separate envelopes. These two envelopes should be submitted in a common sealed envelope. Techno-Commercial Bid shall contain detailed Technical Specification, Drawings Technical documents, Catalogues, taxes & duties, payment terms, delivery period, Validity of offer, Replica of Price Bid (Copy of price bid without price part) etc. The confirmation to the special terms & conditions must be submitted alongwith Techno-Commercial bid.

Standard Instructions:

TEST CERTIFICATE REQUIRED.

GUARANTEE CERTIFICATE REQUIRED.

BASIC RATES, TAXES DUTIES SEPERATELY

CENVATABL DUPLICATE COPY OF INVOICE.

OPERATION/MAINT MANUAL ALONGWITH EQPT.

Special Instructions:

01. THIS IS AN OPEN TENDER ENQUIRY.

02. CONFIRMATION OF EACH CLAUSE OF SPECIFICATION AND RESPECTIVE ANNEXURE IS REQUIRED.

03. ATTACHMENT-

- ANNEXURE-1 OF COMMERCIAL TERMS AND CONDITION.

- PROFARMA FOR BANK GUARANTEE.

- AUTHORISATION LETTER FOR E- PAYMENT.

- CONSORTIUM BANK LIST.

- TECHNICAL SPECIFICATION NO.CFF/FQC/UT-01 REV. NO. 01 DATED 03.03.2012

- ANNEXURE- C OF GENERAL TERMS AND CONDITIONS.

- ANNEXURE- E OF PRICE FORMAT.

General Instructions:

1. Please submit authorization letter (format enclosed) for facilitating e-payment/electronic transfer of funds

Page No 1

★ महत्वपूर्ण : कृपया कोटेशन देने से पूर्व पीछे दिए गये अनुदेशों को ध्यानपूर्वक पढ़िये।

IMPORTANT : PLEASE READ CAREFULLY THE INSTRUCTIONS GIVEN ON REVERSE BEFORE QUOTING



AA-17001

निविदा सूचना
TENDER ENQUIRY

भारत हैवी इलैक्ट्रिकल्स लिमिटेड
Bharat Heavy Electricals Ltd
सेन्ट्रल फाउन्ड्री फोर्ज प्लांट- हरिद्वार - २४६४०३ (भारत)
Central Foundry Forge Plant, Haridwar-249403 (INDIA)

Phone : (0091) 01334- 281639,281385,285336 Fax : 01334 225892 / 226458

TIN NO. 05001763485
C S T NO. HR-5018287 Dt. 16-03-1995

निविदा सूचना सं. ENQUIRY NO.★	3040 P/ 371/1/0724P1	दिनांक Date	29-03-201
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कृपया निम्नलिखित के लिए निविदा दें। PLEASE QUOTE FOR THE FOLLOWING :

MATERIAL CODE	QUANTITY	UNIT	LOTNO
ITEM DESCRIPTION			

2. 100% payment within 30 days after receipt & acceptance of material at CFFP BHEL, Hardwar through e-payment.
 3. CFFP/BHEL RESERVES THE RIGHT TO PRE-INSPECT THE MATERIAL AT VENDOR'S WORKS / GODOWN/ PREMISES BEFORE DESPATCH.
 4. ORIGINAL MANUFACTURER'S TEST CERTIFICATE IS REQUIRED ALONG WITH DESPATCH DOCUMENTS. IN CASE SUPPLIES ARE FROM TRADERS, IT SHALL BE THE RESPONSIBILITY OF THE TRADER TO PROVIDE ORIGINAL MANUFACTURER'S TEST CERTIFICATE WITH LINKAGE TO TRADER'S INVOICE STATING BATCH NO.
 5. CFFP/BHEL Reserves the right to procure from more than one vendor.
 6. Please quote prices in figures & words both. In case the prices quoted in words and figures are different, the values indicated in words will be considered for evaluation & establishing L1 status.
- * The offers of the bidders who are on the banned list as also the offers of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on web site www.bhel.com

MANOJ KUMAR YADAVA
ENGR

★ महत्वपूर्ण : कृपया कोटेशन देने से पूर्व पीछे दिए गये अनुदेशों को ध्यानपूर्वक पढ़िये।

IMPORTANT : PLEASE READ CAREFULLY THE INSTRUCTIONS GIVEN ON REVERSE BEFORE QUOTING



**SPECIFICATION
FOR
ULTRASONIC TESTING MACHINE**

**No: CFF/FQC/UT-01
Rev No.: 01
Date: 03/02/2012
Page 1 of 2**

1.0. OBJECTIVE :

This technical specification covers the supply & commissioning of Ultrasonic testing machine complete with accessories for ultrasonic testing (UT) of steel castings and forgings.

2.0. TECHNICAL REQUIREMENTS: Equipment should have following technical Features.

- 2.1 Range : 5 mm (min) to 5 mtrs (max)
- 2.2 Delay : 0 to 3 mtrs
- 2.3 PRF : 10 to 500 Hz
- 2.4 Velocity : 2000 m/s to 9999 m/s
- 2.5 Time base linearity : 1%
- 2.6 Receiver band width : 0.5 to 10 MHz
- 2.7 Gain : 0-80 dB min
- 2.8 Rejection : 0-80 %
- 2.9 Mode : single and dual
- 2.10 Test method : Pulse reflection and pulse transmission
- 2.11 Damping : high & low
- 2.12 Probe connector : Lemo type /BNC - In case BNC, BNC to Lemo adaptor to be provided.
- 2.13 Gates : Two with logic and alarm facility
- 2.14 Display : LCD based
- 2.15 DAC : active with 3 min points
- 2.16 Memory : 50 calibration parameter and 50 DAC curves
- 2.17 PC connectivity : enable with supplied software .
- 2.18 Power source : Rechargeable battery with min 8 hrs by 110-220 V 50Hz supply .
- 2.19 DGS : Enabled for 2 MHz probe.
- 2.20 Battery & battery charger to be provided with the equipment.

3.0. GENERAL REQUIREMENTS:

- 3.1 Instrument shall be guaranteed for minimum one year after commissioning for trouble free service.
- 3.2 The equipment shall be tropicalized for operating temperatures from 4°C to 50°C, humidity 20-95 % (RH) & dusty atmosphere.
- 3.3 Instrument shall be as per applicable national standard.
- 3.4 Supplier shall commission the equipment at CFFP premises and demonstrate the satisfactory performance of the equipment.
- 3.6 Supplier shall provide three sets of operation and maintenance manual .
- 3.7 Training to be provided to BHEL personnel for operating & maintaining the equipment.
- 3.8 Spares: For each machine (MANDATORY)**
 - 3.8.1 One number battery pack
 - 3.8.2 Battery charger

	PREPARED BY	CHECKED BY	APPROVED BY
SIGN AND DATE			
	Anil Kumar	S N Ghosh	V K AGARWAL



**SPECIFICATION
FOR
ULTRASONIC TESTING MACHINE**

No: CFF/FQC/UT-01
Rev No.: 01
Date: 03/02/2012
Page 2 of 2

- 3.8.3 4 No's lemo / lemo adaptors as applicable
- 3.8.4 One number 5m cable for normal probe .
- 3.8.5 One number 5m cable for duel probe .

Note : In the technical offer, the requirements of the present specification are to be point wise addressed for confirmation.

	PREPARED BY	CHECKED BY	APPROVED BY
SIGN AND DATE			
	Anil Kumar	S N Ghosh	V K AGARWAL

<u>COMMERCIAL TERMS</u>	
1. Payment terms:	ACCEPTANCE OF VENDOR
<u>For indigenous supply :</u>	
80% of material cost to be paid against dispatch documents / receipt of materials at CFFP and balance 20% of material cost + E&C and proving charges (all the services provided at BHEL) will be paid after satisfactory erection & Commissioning and submission of PBG of 10% of total order value in BHEL prescribed format from any consortium bank of BHEL and valid for full guarantee period.	
<u>For import supply :</u>	
80% of FOB value + 100% sea freight charges to be paid through 1 st L/C against dispatch documents through bank and balance 20% of FOB value + E&C and proving charges (all the services provided at BHEL) will be paid through 2 nd L/C after satisfactory erection & Commissioning and submission of PBG of 10% of total order value in BHEL prescribed format from any consortium bank of BHEL and valid for full guarantee period	
Note (for import supply only) :	
a) 1 st L/C for 80% material cost and sea freight charges shall be opened for 3 months i.e. 2 months before dispatch and shall be valid till 1 month after dispatch for negotiation.L/C will be opened only after receipt of order acceptance and security deposit bank guarantee.	
b) 2 nd L/C for 20% of material cost + E&C and proving charges (all the services provided at BHEL) shall be opened before vendor's E&C personnel start for BHEL Haridwar.	
If above payment terms are not agreed by vendor, loading on vendor's price will be as per following :Payment at the time of dispatch against shipping/dispatch documents (Amount Y): "1.5% per month for the amount Y exceeding 80% of contract value i.e. 1.5% of (Y-0.8Z) where Z is the contract value. As such loading of 6% will be done for imported (considering 4 months needed from the date of dispatch to final acceptance of machine/material) and 3% for indigenous items. (considering 2 months from the date of dispatch to final acceptance of machine/material).	
2. SECURITY DEPOSIT: Vendor has to submit security deposite equal to the 5% of total contract value (Total contract value Includes Total material cost + packing & forwarding + freight + E&C charges) in the currency of order within one month of receipt of order in the form of Bank Guarantee in BHEL format and BHEL consortium bank valid for two months beyond shipment.	
3. PBG terms	
Performance Bank Guarantee to be submitted on the BHEL prescribed format equal to the value of 10% of the total contract value (Total contract value Includes Total material cost + packing & forwarding + freight + E&C charges) valid for full WARRANTY / GUARANTEE agreed period. This bank guarantee shall have to be submitted before release of last balance payment.	
4. CURRENCY OF PAYMENT FOR FOREIGN VENDORS : (Euro / Dollar / YEN & GBP)	
5 . For indigenous supply the currency shall be Indian Rupees	
6. ERECTION AND COMMISSIONING : E&C inline with technical specification to be completed by vendor at CFFP / BHEL Haridwar.	
7. CHARGES FOR SERVICES AT BHEL HARIDWAR :	
Services to be rendered at BHEL Haridwar like E&C, proving, training to operators, supervising foundation work etc.	
For Foreign suppliers: If supervision is being carried out by persons residing in India, it should be quoted in Indian Rupees.	
8. ORDER ACCEPTANCE : Bank guarantee towards security deposit and order acceptance (ink-signed) will be submitted within 30 days from the date of PO.	
9. Submission of Bank Guarantee :	
All bank guarantees for security deposit as well as performance bank guarantee should be from one of the BHEL consortium banks (annexure-III) and the bank guarantees should be in the proforma as prescribed by BHEL (annexure-II). The performance bank guarantee as well as the list of consortium banks is displayed at BHEL web-site www.bhelhwr.co.in however, in case the bank guarantee is not from BHEL consortium banks, then the vendor has to confirm bank guarantee on consortium bank and the bank charges are to be borne by the bidder.	
10. Late delivery penalty Clause (LD): Penalty for late delivery shall be applicable @ 0.5% per week and part thereof subject to a maximum of 10% for total Contract value (Total contract value Includes Total material cost + packing & forwarding + freight + E&C charges).	
Vendors accepting LD terms different from the proposed terms of 0.5% maximum 10%, their prices (FOB for imported and ex-factory for indigenous) will be loaded @ %age deviation from BHEL requirement of maximum 10%. If the vendor does not accept the above, their offer is likely to be ignored and technical bid will not be processed.	
For calculating Late Delivery penalty delivery date shall be considered as per following :	
1. Indigenous Suppliers:	
a. Delivery Ex-works:- Date of GR /LR	
b. Delivery FOR vendor works:- Date of GR/LR	
c. Delivery FOR Destination:- Date of receipt at BHEL Hardwar	
2. Import Supply:	
a. Delivery FOB / FCA port of discharge:- Date of BL/AWB	
b. Delivery CIF/CPT port of destination:- Date of AWB/BL	

11. Settlement of Disputes:	
Settlement of disputes through arbitration shall be in accordance with Arbitration Rules of Conciliation and Arbitration of the ICC, Paris. The venue of arbitration shall be Delhi. The courts of Delhi shall have exclusive jurisdiction.	
For Indigenous Source. The venue of arbitration shall be Haridwar Courts, which will have exclusive jurisdiction	
12. Authorization for pre-inspection: BHEL is authorized to pre inspect the material at vendor's works. The material will be dispatched only after getting clearance from BHEL.	
Indigenous suppliers should give Pre-Dispatch Inspection (PDI) call at least 15 days in advance and foreign suppliers should give PDI call at least 45 days in advance. If supplier fails to give pre-inspection call with in stipulated time, this will not be a reason of penalty waiver or delivery extension.	
Travel, Lodging & Boarding charges of BHEL inspectors / trainees during pre-inspection and training will be borne by BHEL	
13. Drawing / data approval :	
Any drawing / data approval required from BHEL after placement of order Shall be the responsibility of the vendor and any delay on account of the same shall be the responsibility of the vendor and have no bearing on the penalty applicable.	
14. Drawing / design / information use:	
The vendor will have to give an undertaking that the drawing / design / information enclosed with the enquiry / proposed order will not be parted to any other agency and will also not be used for manufacturing for any other customer.	
15. Delivery of the equipment:	
Delivery must essentially be CIF Mumbai Sea port for import and FOR BHEL Haridwar for indigenous. Sea freight charges for import and freight charges for indigenous items must essentially be quoted and indicated separately in price bid. Incase of FOB quote, loading for freight & others will be done.	
Categorically indicate time period required for delivery of the equipment.	
Firm delivery period for the equipment to be stated w.e.f. date of LOI/ Order.	
Commissioning & handing over of complete system in weeks (If E&C to vendor scope):	
16. 3 Sets of O&M Manual:	
3 Sets of Operation & Maintenance Manual shall have to be supplied along with the equipment. Final payment will be released only after receipt of the required documentation (No of sets if mentioned in technical specification then same will prevail).	
17. Training:	
Vendor shall provide required training to BHEL personnel free of cost.	
18. Details of Contact person Name, Designation, Department complete postal, E-mail address & Fax no, phone, Mobile no. to be mentioned.	
19. Import Supply: a. Phyto-sanitary Certificate essential for packages (Wooden)	
b. Country or origin certificate: Vendor to furnish the country of origin certificate from Chamber of Commerece with dispatch documents	
20. Validity: Validity of the offer should be 180 days from tender opening date.	
21. Bank Charges: Bank Charges on either side. Or your prices will be loaded suitably	
22. Participation in Reverse Auction: BHEL may decide to process the case through RA. (As per Annexure - V attached). Vendors to give their confirmation for participation in Reverse Auction process.	
23. L1 price will be decided on landed cost to CFFP, BHEL basis. Equipment cost, asseceries as per technical specification & recommended essential spares along with E & C, training, proving etc will form part for deciding L1 price. ** For evaluation, exchange rate (TT selling rate of SBI) as on scheduled date of tender opening (part –I bid in case of two part bid) shall be considered in case of foreign supplier.	
24. Price bid should clearly indicate the basic machine cost , spares & toolings (as per technical specification), E&C charges (if applicable) and applicable taxes and duties . Replica of price bid (copy of price bid without price part) to be submitted alongwith techno commercial bid.	
25. Beneficiary of PO: Please confirm the beneficiary of PO along with the complete address	
26. Foreign Suppliers: Dispatching port & Country to be mentioned essentially	
27. Total weight - Gross / Net in Kg, package size essentially should be indicated (if not exact then approximate.)	
28. Risk Purchase Clause: In case of delays in supplies / defective supplies or non-fulfillment of any other terms and conditions given in the Purchase Order the purchaser may cancel the purchase order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier.	
29. Guarantee : Minimum 12 months from date of commissioning for trouble free operation.	
30. Vendor who are not registered in CFFP/BHEL also down load Supplier Registration Form from website www.bhel.com or www.bhelhwr.co.in and submit the same dully filled along with offer.	
31. Foreign suppliers and their Indian agent (If any) must comply with the terms and condition given in annexure -IV.	
Note: Attach separate sheet for additional information if necessary. The above terms & condition supersedes the terms & conditions found contradictory written else where in the tender enquiry	

Date :

Signature with seal of Company.

Price bid Format

Annexure- E

S.N.	Parameters	Cost / unit
1	Main Equipment cost complying all parameters of technical specification CFF/FQC/UT-01 of Ultrasonic Testing Machine.	
2	Cost of all spares as specification CFF/FQC/UT-01 from point no 3.8.1 - 3.8.5 (For each machine).	
3	Applicable Taxes and duties.	Excise Duty.....
		CST.....
		Any other.....
4	Freight and transit insurance charges upto CFFP BHEL Haridwar Stores.	

NOTE:

A.	Copy of this sheet without price part must be submitted alongwith techno-commercial offer.
B.	List of items and quantity quoted against above point no 2 (without price part) must be submitted alongwith techno-commercial offer.
c.	For 2 nos quantity, quoted cost will be doubled.
D	CFFP BHEL reserve the right to procure only equipment without any spares and consumables / attachments also reserve the right not to procure the equipment after tendering.