



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)
Tiruchirappalli – 620014, TAMIL NADU, INDIA
MATERIALS MANAGEMENT

ENQUIRY FOR PROCUREMENT OF COPPER TUBES	Phone: +91 431 2577024/2577731 Fax : +91 431 252 0719 Email : vbrao@bheltry.co.in
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	Reference Number: Enquiry 1701100582/12	Enquiry Date: 17.06.11	Due date for submission of quotation: 18.07.11
You are requested to quote the Enquiry number date and due date in all your correspondences. This is only a request for quotation and not an order			

**BHEL/Trichy is looking for empanelment of new vendors (manufacturers only) for supply of “
COPPER TUBES ”**

BHEL commercial terms & conditions with Price Bid formats and all annexure can be downloaded from BHEL web site http://www.bhel.com or from the Government tender website http://tenders.gov.in (public sector units) Bharath Heavy Electricals Limited) under enquiry reference “ 1701100582/12 ”	
Tenders should reach us before 14:00 hours on the due date Technical bid 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 Bharath Heavy Electricals Limited Dy. Manager / Sub-delivery/ C&I

**BHARAT HEAVY ELECTRICALS LIMITED**

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ENQUIRY
(INDIGENOUS)(A Government of India Undertaking)
HIGH PRESSURE BOILER PLANT
PURCHASE DEPARTMENT - FOSSIL BOILERS
THIRUCHIRAPALLI - 620014
TAMILNADU (INDIA)PHONE : 2577731
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail :
Web :

429-002/A

OFFICE COPY**Collective No.**

1701100582/12

Enquiry Date

17.06.2011

**Due Date For
Quotation**

18.07.2011

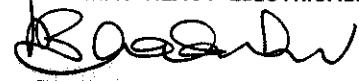
Please quote Enquiry No, Date and due date in all
correspondences.
This is only a request for quotation and not an order

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	L160419759204001 1/4" OD, 18 SWG THICK ANNEALED, PVC SHEATHED SEAMLESS COPPER TUBE HAVING MINIMUM 15 Mtrs, CONTINUOUS COIL LENGTH AND ALL OTHERS CONDITIONS ARE AS PER SPECIFICATION TDC:TCI:COPPER TUBE RC/ REV.01	M	10400.000	10,400.00	24.09.11
20	L160419759204002 3/8" OD, 18 SWG THICK ANNEALED, PVC SHEATHED SEAMLESS COPPER TUBE HAVING MINIMUM 15 Mtrs, CONTINUOUS COIL LENGTH AND ALL OTHER CONDITIONS ARE AS PER SPECIFICATION TDC:TCI:COPPER TUBE RC/ REV.01	M	200.000	200.00	24.09.11
30	L160419759204003 1/2" OD, 18 SWG THICK ANNEALED, PVC SHEATHED SEAMLESS COPPER TUBE HAVING MINIMUM 15 Mtrs, CONTINUOUS COIL LENGTH AND ALL OTHER CONDITIONS ARE AS PER SPECIFICATION TDC:TCI:COPPER TUBE RC/ REV.01	M	100.000	100.00	24.09.11

General Note:

1. Manufacturers only shall submit the offers. Offers received from traders and agents will not be considered and rejected.
2. Offers shall be submitted in two part bids, A) Technical with commercial terms and conditions B) Price bid in separate sealed covers duly indicating the enquiry no. on the covers.
3. Technical Bid shall be submitted in duplicate(two copies)
4. BHEL reserves the right to go for a "REVERSE AUCTION" instead of opening the submitted sealed bid which will be decided after technical evaluation.
5. Reverse auction is done through internet/email. Hence vendors shall make themselves equipped with e-mail, fax and internet facilities.
6. In case of going for reverse auction, vendors will be suitably informed about the working procedures of reverse auction and BHEL will

The offers should reach us 30 minutes before the time of opening of tenders.
The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**

V. BHASKAR RAO
 PURCHASE
 (INDIGENOUS)
Tenders Management / Fossil Boilers
BHEL, TRICHY-620 014

**BHARAT HEAVY ELECTRICALS LIMITED**

(A Government of India Undertaking)
HIGH PRESSURE BOILER PLANT
PURCHASE DEPARTMENT - FOSSIL BOILERS
THIRUCHIRAPALLI - 620014
TAMILNADU (INDIA)

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1701100582 / 17.06.2011

10345

- provide all the relevant details to enable the vendor to participate.
7. Annexure 'I' is enclosed for general terms and condition for reverse auction.
8. Offer will be evaluated on package basis and materials are required to be dispatched to OP Jindal site located in Chattisgarh state.
9. Offers shall be quoted on FOR-destination basis which shall include P & F and freight. Applicable taxes and duties shall be indicated in the offer.
10. Insurance shall be under BHEL scope.
11. Pls. note that freight is under vendor scope.
However in case of ordering subsequent to reverse auction, price break up details shall be given by indicating Freight charges seperately.
12. Tolerance in length of copper tube shall be +5%
13. Testing and inspection requirement for copper tubes shall be as per quality plan QA:CI:STD:QP:56/01 (enclosed)
14. Applicable spec. TDC:TCI:COPPER TUBE RC/REV:01. This spec. is applicable for all sizes of copper tubes.
15. Testing shall be carried out in the govt. and NABL approved lab.
16. Three samples from enq. sl.no. 10 and one sample from enq. sl.nos. 20 & 30 shall be tested.
17. Testing charges shall be included in the offer and shall not be shown separately.
18. Confirmations to meet the quality plan and specification shall be positively indicated in the offer.
19. Format for commecial terms enclosed, same to be filled and submitted with offer.
20. Delivery date indicated in the enquiry is tentative and may vary according to project schedule.
21. Enquiry terms and conditions enclosed.
- 22.Offers shall be sent to the following address

Manager/Purchase(FB)
Bldg. No. 24, IV Floor
BHEL
TIRUCHIRAPALLI 620 014

Enclosures:


"LD clause has to be confirmed without fail."
"Payment to vendors will be made only thro E-Payment mode."

PR Links

Material.	PR.No	PR.Item.	Quantity	Acc. Assign	Customer Number
L160419759204	54324031	00010	2600.000	U6/1604-LU-625-1-97-592	U6/1604

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Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**


V. RAMESH KUMAR PURCHASE
Deputy Manager (FOSSIL BOILERS)
Materials Management / Fossil Boilers
BHEL, TRICHY-620 014

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CL NO.	CHARACTERISTICS	REQUIREMENT	VENDOR COMPLIANCE (Refer Note:2)
1.0	APPLICATION	TO SUPPLY AIR TO SADC POWER CYLINDER AND TO OTHER INSTRUMENTS REQUIRING INSTRUMENT AIR.	
2.0	MEDIUM	INSTRUMENT AIR	
3.0	REFERENCE	ASTM - B 75	
4.0	SIZE	1/2" OD, 18 SWG. (16 SWG ***) <i>K. Mahil</i>	
5.0	FEATURES	PVC sheathed (Thickness of PVC coating shall be 1mm) seamless copper tube having 25 m continuous length. <i>K. Mahil</i>	
6.0	MATERIAL	The copper tube shall be seamless with following chemical compositions. - Copper content 99.9% (Min) - Hardness Vickers hardness test (HV5 60 to 75) Phosphorous content (Max - 0.04%)	
7.0	TYPE	Light drawn temper tubing confirming to ASTM B-75.74.	
8.0	PROPERTIES	The tube shall be suitable for bending and capable of being flared by Hardened and Tapered steel pin. The expanded tube shall show no cracking or rupture.	
9.0	WORKING PRESSURE	7 kg/cm ² (g)	
10.0	TEST PRESSURE	Not less than 10 kg/sq.cm(g) of air while tube is immersed in water.	
11.0	SURROUNDING TEMPERATURE	260°C	
9.0	Inspection and Testing	As per BHEL standard Quality plan QA:CI:STD:QP:56 (Latest revision).	

NOTE:

1. In 'Vendor compliance' column Vendor to indicate 'YES', 'NO' or 'NOT APPLICABLE'.

2. *** For NTPC contracts and for other specified contracts.

CE/140051/57/13

(111) (112)

Bharat Heavy Electricals Limited
HIGH PRESSURE BOILER PLANT, TIRUCHIRAPPALLI 620 014.

TECHNICAL DELIVERY CONDITIONS

FOR SUB - DELIVERY COMPONENTS OF
CONTROLS AND INSTRUMENTATION

TDC : TCI : COPPER TUBE RC / REV 01

PAGE 01 OF 02

COPPER TUBE (For Rate Contract)




Rev. No.	DATE	DESCRIPTION	PREPARED	REVIEWED	APPROVED	
					ENGG	QAC
00	28/05/04	Initial Release	GS	KRS	PMV	
01	26.08.04	Revised to change the applicable standard	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	

CEFF140051

QA:CI:STD:QP:56/REV01

BHARAT HEAVY ELECTRICALS LIMITED / TRUCHIRAPPALLI
CONTROLS AND INSTRUMENTATION/QA/FB

STANDARD QUALITY PLAN
FOR
COPPER TUBES

REV	DATE	PREPARED	REVIEWED	APPROVED	REVISION HISTORY
00	12.06.03	-Sd-	-Sd-	-Sd-	Initial release
01	08.01.04	RM.VAIRAVAN 	N.SRIDHAR 	S.SOMASUNDARAM 	Revised to include the comments /Feedback of internal discussion

<p><u>NOTES:</u></p> <ol style="list-style-type: none"> 1. MECH - MECHANICAL; MEAS - MEASUREMENT PHYS - PHYSICAL CHEM - CHEMICAL TC - TEST CERTIFICATE LGB - LOG BOOK PO - PURCHASE ORDER MQCD - MANUFACTURER'S QUALITY CONTROL DEPARTMENT; MFR's STD - MANUFACTURER'S STANDARD; CHP - CUSTOMER HOLD POINT - INSPECTION BY BHEL 2. All testing facilities shall be arranged by the Vendor at their works. Tests for which facilities are not available & those tests marked as Lab in Agency column are to be carried out at recognised National Test Houses like ETDC / CIL / NPL / ERTL, etc. at Vendor's cost. 3. Through Log books / any other documents available at the vendor's works, it shall be possible to correlate the finished product with raw material & in process stage checks / inspection carried out. 4. All measuring & testing instruments shall be periodically calibrated from recognised test houses and test certificates made available during inspection for verification. 5. Test certificates for routine tests to be furnished by the vendor. 	<ol style="list-style-type: none"> 6. Packing shall be as per the manufactured standard to withstand transit shocks/handling to ensure safe and damage free receipt at destination. 7. Vendor to give tentative inspection program in advance & confirm exact date two weeks in advance for arranging BHEL's inspection.
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ANNEXURE

TERMS AND CONDITIONS

1. a) **QUOTATIONS** : Each tender should be sent in double cover, inner cover should be sealed with tenderer's distinctive seal and superscribed with correct tender No. item of supply and due date of opening. The outer cover should only bear the address of this office and should not have any indication that a tender is within. Two or more quotation should not be sent in one cover but the quotation against each tender should be sent separately to avoid confusion. Tender should not be addressed to any individual's name but only by designation.

b) Tenders should be free from **CORRECTION AND ERASURES**. Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

c) Price should be nett F.O.R. despatching station inclusive of risk in transit and remain valid for 60 days from the due date.

d) If any Sales Tax is payable as extra to the quoted price it should be specifically stated in quotations alongwith CST & TNGST No failing which the purchaser will not be liable for payment of Sales Tax. Our T.N.G.S.T No 3560005 Dt. 01-04-1995 CST No. 239383 Dt. 11.6.1991.

e) No revision of prices will be entertained after tenders are opened.

f) Manufacturer's Name, Trade Mark or Patent No. if any should be specified. Illustrative leaflets giving technical particulars are required alongwith quotation wherever necessary.

g) Products with I.S.I Certification marks will be preferred.

h) The purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any tender in part or full without assigning any reason whatsoever.

2. **SAMPLES** : Wherever possible, sample should be submitted separately whether specifically requested or not so as to reach the purchaser on or before the due date of the enquiry. They should be clearly marked with the enquiry No and the date on the outside cover to facilitate identification.

3. **PACKING AND MARKING**: The supplier shall arrange for securely protecting and packing the stores to avoid loss or damages during transit.

4. **TERMS OF PAYMENT** : Payment will be made within 30 days of satisfactory receipt of materials at site. Wherever required by the purchaser, the successful tenderer must send the operation and maintenance manuals, test certificates, drawings, etc., for the materials ordered. These should be sent immediately after despatch of the materials and a statement to that effect should be made in the invoice. Failure to comply with this provision will result in delay in payment of the bills. Goods despatched either by V.P.P or by the document presented through bank will not be accepted unless agreed to by the Purchaser.

The duplicate copy of the invoice meant for the transporters should accompany the material as stipulated under C.E. Rules 52A and 173C (or) 57GG. A photostat copy of the above invoice for each delivery challan should be submitted alongwith the original bills routed through bank or submitted directly to BHEL Finance Department.

5. **SECURITY DEPOSIT** : For purchases over Rs. 5,000/- the successful tenderer/s may be requested to furnish a Bank Guarantee. Security Deposit for an appropriate value as may be determined by BHEL.

6. LIQUIDATED DAMAGES/ PENALTY AND INTEREST ON ADVANCES FOR DELAY IN DELIVERY:

If the supplier fails to deliver the raw material / equipment / components within the period specified in the contract the purchaser shall deduct Liquidated Damages a sum equivalent to 0.5 % of the price for each week of delay upto a maximum of 15% of the price of the delayed / undelivered goods. In addition to the recovery of interest at normal cash credit rate plus 2% for the unadjusted portion of the advances. If the delay in delivery of a part contributes to delay in execution of total system, LD and interest on advances will be recovered on the total contract price / total advance paid.

7. **RISK PURCHASE** : Alternatively the purchaser at his option will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or despatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute therefor. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases in addition to penalty at the rate mentioned in clause 6 above.

8. **PREFERENTIAL DELIVERY** : It should be noted if a contract is placed on a higher tenderer as a result of this invitation to tender in preference to the lowest acceptable offer in consideration of the earlier delivery, the seller will be liable to pay to the purchaser the difference between the contract rate and that of the lowest acceptable tender on the basis of final price F.O.R. destination, including all elements of freight, sales tax, duties and other incidents, incidental in case of failure to complete supplies in terms of such contract within the date of delivery specified in the tender and incorporated in the contract.

9. **MODVAT CREDIT** : If any Excise Duty is payable, the chapter head/sub-head reference and the rate of the duty should be quoted. If the tender is availing MODVAT credit for this input materials, the effect of proforma credit should be passed on to the purchaser. Tenderer under "MODVAT" shall be preferred.

10. **Purchase** : Preference will be given to CPSUs as per Government Guidelines.

11. **GENERAL** : The purchaser reserves the right to split up the tender and place order for individual terms with different tenderers and also increase or decrease the quantity.

Any Other conditions which might have been quoted by the Seller and are in contravention to the terms prescribed in the order and which have not been specifically accepted in by Purchaser will not be applicable to the contract.