

Bharat Heavy Electricals Limited

(A Government of India Undertaking)

Valves Sub-Contracting

Tiruchirapalli-620014, India

Tel.No. 0431 2577520 Fax 0431 2520383



OPEN TENDER

Enquiry To	Due date : 29-12-2007 Enquiry Ref: STD M/C HR/RC-001 Date : 29-11-2007
<p>1) This is only a request for quotation and not an order 2) The above reference is to be quoted in all correspondence 3) All registered vendors with BHEL, Valves Subcontracting can submit their quotation</p>	

Dear Sirs,

We are in the process of entering in to rate contracts for various machining processes required as per Annexure-I, for Valves Subcontracting department with the following terms and the enclosed General terms and conditions :

- 1) **Vendors to quote the machining rate per hour for the work centers indicated in the Annexure-I**, which are applicable for all categories of components for machining. (Body, Bonnet, Yoke, Wedge, Disc, Retainers, Seat rings, Stem, Gland flange for all types of valves, Casing Head, Tubing Spool, etc.)
- 2) Vendors to **provide the number of machine hours that can be spared each month against each work centre.**
- 3) **Vendors to submit the machine hour rate for the machines installed and number of machines operating at their premises at the time of submitting the quotation. If any offer is found without the availability of machines at the vendors' premises, the entire offer will be rejected.**
- 4) Vendors to provide the maximum size and weight of the raw materials and components that could be machined at their works.
- 5) Vendors to confirm whether the firms are having valid IBR approval.
- 6) Standard tools and gauges are to be arranged by vendors themselves.
- 7) Raw materials will be supplied by BHEL / collected by the vendors from BHEL for which collection charges will be reimbursed to, at prevailing contract rates.
- 8) Finished components will be delivered to Stores, BHEL, Tiruchirapalli by the vendors at their cost.

- 9) Vendors to confirm the validity of the quoted machine hour rates for a period of eighteen months from the date of finalization of the contract.
- 10) Vendors to submit their quotations as above, in a sealed cover addressed to DGM (Subcontracting) Valves, Bharat Heavy Electricals Limited, Tiruchirapalli – 620014, duly super scribing the above Enquiry No. & Due Date under Registered Post with Acknowledgement. The offers, subject to the acceptance of Terms and Conditions enclosed, should reach him before **02.00 PM on the Due Date**. The venue within BHEL premises and time of tender opening will be informed one day prior to tender opening date.
- 11) The Tenders will be opened at 02.30 PM on the Due Date in the presence of Tenderers.
- 12) Quotations received after the prescribed time for Tender opening on the Due Date will not be considered.
- 13) **The component-machining rate will be arrived based on the standard timing for various operations for the component as finalized by BHEL. Any dispute in standard time will be settled after Time study conducted by BHEL.**
- 14) The Quotation should contain specific rate of Excise duty, Sales Tax etc. If such levies are exempted, specific mention of it should be made in your Quotation.

For BHARAT HEAVY ELECTRICALS LIMITED

DY. GENERAL MANAGER
SUBCONTRACTING : VALVES

GENERAL TERMS AND CONDITIONS TO ENQ. No. STD.M/C.HR/RC-001

- 1.1 The items those will be ordered for machining are to be strictly manufactured as per the drawings.
- 1.2 These items will have one or more number of machining processes.

2.0 INSPECTION :

- 2.1 Inspection of the finished components will be done by BHEL Inspector and / or authorized Inspection agencies for which a register for dimensional report will be maintained at vendor's works and the vendor shall provide all the required facilities free of cost. The Inspection results will be given in IR (Inspection Report) that would be raised by BHEL Inspector.
- 2.2 The items requiring first-off clearance for bulk production shall be offered for Inspection immediately after sample pieces have been completed. Only on getting the approval from BHEL Inspector / Authorized agency in writing, further work on bulk production is to be started.
- 2.3 In case of partial or full raw materials supplied by BHEL, for rejections that may take place during the course of machining due to defective raw materials, BHEL will allow proportionate payment to the extent of machining carried out. The vendor shall stop machining operation as soon as the defect is noticed. For rejections due to operator's fault, BHEL will recover the cost of raw materials at prevailing rate of Materials plus Statutory levies (ED., ST etc.)

3.0 PAINTING AND PACKING OF COMPONENTS :

- 3.1 All machined surfaces are to be applied with rust preventive and Painting to be carried out where ever Called for as per SIP:PP:22
- 3.2 Supplier's Code No. allotted by BHEL should be punched and encircled with white paint on the finished components.
- 3.3 Any deviation from the scope of machining shall be suitably painted as per IR on the component at the appropriate place.
- 3.4 Wherever BHEL work orders are specified in the Purchase Order details of work order No., DB No., Part Nos., Qty. in Nos., and Wt. In kg should be painted in white paint on any prominent surface of the components or on a metal tag of Size 100 x 175 mm for smaller items, initially applied with Red-Oxide primer and further applied with coat of varnish to avoid peeling off the paint.
- 3.5 All items having threading at the ends should be covered with tar impregnated gunny cloth scrap with the wire.
- 3.6 The finished components should be packed suitably before effecting dispatch so as to prevent breakage and damage to the machined surfaces either in transit or in handling.

4.0 TERMS OF DELIVERY FOR FINISHED COMPONENTS :

- 4.1 The finished goods should be deposited at our STORES / SHIPPING YARD at your cost
- 4.2 The Delivery Challan should be prepared for each purchase order separately as per our Proforma.
- 4.3 The consignment should accompany one copy of our IR meant for our STORES / SHIPPING and 6 copies of your Delivery Challan prepared as per our proforma should give reference to IR No. and Work Order No., P.O.No., etc, of the items dispatched.

5.0 GUARANTEE CERTIFICATE : When the items are supplied with Contractor's material either in full or part, a Guarantee Certificate as per the following proforma is to be submitted.

"The Supplied by us vide our Delivery Challan No.....Dt.....against your Purchase Order No..... dt..... have been manufactured to comply fully with the drawings and other technical conditions specified in your Purchase Order for the scope of work and usage of raw materials and that the supply is guaranteed for a period of 18 months from the date of dispatch for workmanship and materials. If the items are found defective due to faulty workmanship and / or with defective materials within the above period, the same will be replaced by us free of cost"

6.0 EXCISE DUTY : Excise Duty shall be paid extra if applicable in full, on production of the Excise Gate Pass.

7.0 PAYMENT :

7.1 Payment will be made as below: Payment will be made for 100%, 90% for the supplies made within 45 days of the receipt of materials against the submission of following documents.

1. Invoice in duplicate.
2. Inspection certificate in(original + one copy).
3. Stores Receipt Voucher (SRV)
4. Two copies of Delivery Challan acknowledged by BHEL Stores / Shipping
5. Guarantee Certificate in duplicate (applicable for Contractor's raw material)

7.2 Excise Duty, if any will be paid in full for each par payment, based on certificate per Para 6.0

7.3 When raw materials are supplied either partially or fully by BHEL.

Final 10% payment shall be made only on completion of the order after duly accounting for rejections, short supplies (if any) and return of raw materials and submission of Materials Accountal Statement. The bill shall be raised for one Purchase Order after making the last dispatch.

- i. Payment of proportionate machining charges for the rejected pieces due to material defect will be made against Vendor's Invoice in duplicate, supported by 2 copies of IR (meant for accounts department) and 2 copies or Delivery Challan acknowledged by our stores, along with PDO copies.

8.0 LIQUIDATED DAMAGES :

Items are to be delivered within the stipulated period. The delivery of the components will be decided based on the capacity committed by the vendor. Items supplied beyond the delivery period are liable for liquidated damages at the rate of ½% of the value of the goods, delayed for each week delay or part thereof.

9.0 SPECIAL CONDITION FOR SUPPLY WITH BHEL MATERIAL :

9.1 BANK GUARANTEE :

Vendors shall execute a Bank Guarantee for the value of Rs...../- (will be decided at the time finalizing the rate contract) for satisfactory performance of all the orders and also for the safe custody of the raw materials. The guarantee shall be executed on a non-judicial stamp paper of value of Rs...../- and shall be kept valid for a period of 1 year against the orders already placed and to be placed by BHEL.

9.2 DELIVERY OF REJECTED ITEMS :

The rejected items due to material defect will be dispatched immediately by the vendor to BHEL Stores along with 6 copies of PDO, 1 copy of IR and 7 copies of Delivery Challan. BHEL Stores will give acknowledgement on 2 copies of Delivery Challan.

9.3 ACCOUNTAL OF RAW MATERIALS :

- a) Balance of raw materials will be accounted on completion of the order subject to the raw materials supply as per the required Weight / Rms / Nos. Excess materials supplied, if any will have to be returned by the vendor to BHEL Stores. Cutting Plan for the materials issued by BHEL have to be approved by BHEL before the commencement of the work.
- b) Non Ferrous & Non Magnetic Ferrous Turnings & Borings wastages shall be returned to BHEL Stores.
- c) In both the above cases the consignment is to be sent on Freight "to pay" basis through any of BHEL approved Transport Carriers.
- d) Magnetic Ferrous Turnings & Borings need not be returned to BHEL Stores.
Vendors shall give due credit to the value of the same and accordingly.
- e) **The Waste / Scrap arising in the course of manufacture of the final product out of the materials issued by BHEL as free supply will attract EXCISE DUTY.**

**Deputy General Manager
Sub Contracting (Valves)**

ANNEXURE - I (ENQ.REF. STD M/C HR/RC-001 DATED 29-11-2007)

Sl. No.	Operation	Machine Description	Rate per Machine Hour	Machine Hours that can be spared per month	No.of machines available	Remarks
1	Turning	Center Lathe – Light (Chuck Dia Up to 250 mm) - Size to be specified by the vendor				
2	Turning	Center Lathe – Medium (Chuck Dia Above 250 mm up to 400 mm) Size to be specified by the vendor				
3	Turning	Center lathe – Heavy (Chuck Dia Above 400 mm) Size to be specified by the vendor				
4	Turning	Capstan / Turret Lathe (Light)				
5	Turning	Capstan / Turret Lathe (Medium)				
6	Turning	CNC Lathe – Light (Chuck Dia Up to 250 mm) - Size to specified by the vendor				
7	Turning	CNC Lathe – Medium (Chuck Dia Above 250 mm up to 400 mm) - Size to specified by the vendor				
8	Turning	CNC Lathe – Heavy (Chuck Dia Above 400 mm) Size to specified by the vendor				
9	Drilling	Bench Drilling Machine – Less than Dia 6 mm (Indicate the maximum hole size)				
10	Drilling	Pillar Drilling Machine – Dia 6 mm to 40 mm (Indicate the maximum hole size)				
11	Drilling	Radial Drilling Machine (Indicate the maximum hole size)				
12	Drilling	Jig Boring Machine – Table Size to be specified by the vendor				
13	Boring	Horizontal Boring Machine – Medium – 63 mm to 110 mm Spindle				

Sl. No.	Operation	Machine Description	Rate per Machine Hour	Machine Hours that can be spared per month	No.of machines available	Remarks
14	Boring	Horizontal Boring Machine – Heavy –125 mm and above Spindle and above				
15	Boring	Vertical Turret Lathe - Med. Upto 1000 mm Swing				
16	Boring	Vertical Turret Lathe – Heavy – above 1000 mm swing				
17	Boring	Floor Borer (Size to be specified be the vendor)				
18	Milling	Medium - Type - II (Vertical / Horizontal / Universal (Size to be specified by the vendor)				
19	Milling	Heavy - Type – III and above (Vertical / Horizontal / Universal)- (Size to be specified by the vendor)				
20	Slotting	Slotting Machine Light - Travel Up to 150 mm				
21	Slotting	Slotting Machine Medium - Travel Up to 400 mm				
22	Slotting	Slotting Machine Heavy – Travel above 400 mm				
23	Shaping	Shaping Machine Light - Travel Up to 600 mm				
24	Shaping	Shaping Machine Medium – Travel Up to 1000 mm				
25	Grinding	Surface Grinding Machine				
26	Grinding	Cylindrical Grinding Machine				
27	Grinding	Internal Grinding machine				
28	Thread Rolling	Thread Rolling Machine				
29	Cutting	Power Hack Saw Cutting machine (Indicate the maximum bar diameter that can be cut)				