



Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT/ MATERIALS MANAGEMENT

An ISO 9001
Company

ENQUIRY

NOTICE INVITING TENDER

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| | | | |
|--|---|---|---|
| TWO PART BID Tender to be submitted in two parts. | Enquiry Number: 2621400038 | Enquiry Date: 03.09.2014 | Due date for submission of quotation: 03.10.2014 |
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You are requested to quote the Enquiry number date and due date in all your correspondence. This is only a request for quotation and not an order.

Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the Date of tender opening.

| Item | Description | Quantity |
|------|-------------------------------|----------|
| 10 | Direction Control valve | 02 Nos. |
| 20 | Direction Control valve | 06 Nos. |
| 30 | Double Throttle / Check Valve | 06 Nos. |
| 40 | Variable Piston Pump | 01 No. |

as per the technical specification, general guidelines instructions & commercial conditions applicable (to be downloaded from web site www.bhel.com or <http://tenders.gov.in>)

Important points to be taken care during submission of offer

1. The Compliance Form for Commercial Terms & Conditions to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
2. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media.

BHEL's General guidelines / instructions (refer MM/CE/GENL/001) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units > Bharat Heavy Electricals Limited page) under Enquiry reference "2621400038".

Tenders should reach us before 14:00 hours on the due date.
Tenders 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 BHARAT HEAVY ELECTRICALS LIMITED


Sr. Engineer / MM / Capital Equipment

**Specifications for Valves & Piston Pump for M/s Dahlih make
Vertical Machining Centre**

| Sl. No. | DESCRIPTION | General Specification | QUANTITY | VALUE |
|---------|-------------------------------|---|----------|-------|
| 1 | Direction Control valve | <p>Electro-Hydraulic 4 port, 2 position, 4 way, directional control valve with</p> <p>1) Spring offset on P to B, A to T position</p> <p>2) Suitable light indicating high performance single solenoid (110 V AC; 50 Hz), with protected manual override,</p> <p>3) Nominal size NG6, conforming to ISO-4401</p> <p>4) Closed centre transition spool type.</p> <p>Make: Rexroth / Vickers only acceptable.</p> <p>Detailed technical catalogue shall be necessarily submitted along with the offer for evaluation.</p> | 2 No. | |
| 2 | Direction Control valve | <p>Electro-Hydraulic 4 port, 2 position, 4 way, directional control valve with</p> <p>1) Detent type without any spring offset</p> <p>2) Suitable light indicating high performance double solenoid (110 V AC; 50 Hz), with protected manual override,</p> <p>3) Nominal size NG6, conforming to ISO-4401,</p> <p>4) Closed centre transition spool type</p> <p>Make: Rexroth / Vickers only acceptable.</p> <p>Detailed technical catalogue shall be necessarily submitted along with the offer for evaluation.</p> | 6 No. | |
| 3 | Double Throttle / Check Valve | <p>Double throttle/ Check Valve of following specification:</p> <p>1) Nominal size NG6 with throttle check valve ports A & B</p> <p>2) Screw with locknut and protective cap.</p> <p>3) Conforming to ISO 4401</p> <p>Make: Rexroth / Vickers only acceptable.</p> <p>Detailed technical catalogue shall be necessarily submitted along with the offer for evaluation.</p> | 6 No. | |

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| Sl. No. | DESCRIPTION | General Specification | QUANTITY | VALUE |
|---------|----------------------|---|----------|-------|
| 4 | Variable Piston Pump | <p>High pressure variable displacement axial piston pump for hydraulic Power pack:</p> <ol style="list-style-type: none"> 1) Displacement : 15 cc/Rev. 2) With pressure compensator control and stroke restrictor feature 3) Maximum Pressure: 140 Kg/cm² 4) Rotation: clockwise 5) Port orientation: Side wise 6) Shaft: Key type 7) Shaft Size: a)OD 19.05mm, (21.15mm with key), b)Length(outer projection): 38+/-0.5 8) Operating speed of pump: 1500 rpm 9) Thread type: PT (Rc) 10) Mounting surface on bell housing: <ol style="list-style-type: none"> a) Locating step height: 6 mm, b) Locating step dia: 82.55-0.5 mm, c) flanged-Bolted horizontal axis type, d) Bolt Size: M10, e) hole/slot Pitch: 106 +/- 1 mm, f) No. of holes: 2 11) Make: Rexroth / Vickers only acceptable. <p>Detailed technical catalogue shall be necessarily submitted along with the offer for evaluation.</p> | 1 No. | |