



Bharat Heavy Electricals Limited

(High Pressure Boiler Plant) Tiruchirappalli – 620014, TAMIL NADU, INDIA
VALVES PURCHASE

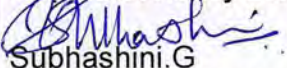
| | |
|--|---|
| TITLE: SUPPLY OF GEAR BOXES(BEVEL GEAR TYPE-MULTI TURN) FOR VALVES ACTUATORS. LISTED SPARES FOR THE SAME. | Phone: +91 431 2574032 / 2577486 Fax : + 91 431 252 0383 Email : subhashini@bheltry.co.in psmohanty@bheltry.co.in |
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| | | |
|--|-----------------------------|--|
| Reference Number: Enquiry: NIT_26775 (RC-SAC-001) | Enquiry Date: 08.03.2016 | Due date for submission of quotation 29.03.2016 |
| 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 | | |

CORRIGENDUM

| Details of Corrigendum |
|--|
| <ol style="list-style-type: none">1) Due date of Submission of offer mentioned as 26/03/2016 in Techno- commercial Bid to be revised as 29/03/20162) The MOU specification has been revised from Rev 00 to Rev01(MOU/TP-VALVE/VALVE GEAR BOX/ REV 01) due to changes on the Terms and conditions – General.3) The General terms and conditions has been revised(sub headings samples and deviations added under Quotations heading and Performance bank guarantee under commercial terms & conditions. |
| All other terms and conditions as published in the NIT_26775 remains unaltered. |

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 - Bharat Heavy Electricals Limited) under enquiry reference: NIT_26775 (RC-SAC-001).

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|---|---|
| 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 Bharat Heavy Electricals Limited  Subhashini.G Sr Manager / Purchase/Valves |
|---|---|

|  434-003 | <h1>ENQUIRY</h1> | Bharat Heavy Electricals Limited (A Government of India undertaking) HIGH PRESSURE BOILER PLANT PURCHASE DEPARTMENT/VALVES TIRUCHIRAPPALLI-620 014. | Phone: 0431-2574032/7486 Email: subhashini@bheltry.co.in psmohanty@bheltry.co.in | | |
|---|--|--|---|---|------|
| | | ENQUIRY NO. | DATE | DUE DATE FOR QUOTATION | |
| | | RC –SAC-001 | 08.03.2016 | 29.03.2016 | |
| Please quote Enquiry No., and due date in correspondences This is only a request for quotation and not an order. | | | | | |
| SL.NO. | MATERAIAL CODE DESCRIPTION | UNIT | QUANTITY | DELIVERY SCHEDULE | |
| | DRAWING NO TDC NO. | | | QUANTITY | DATE |
| | <p>SUPPLY OF GEAR BOXES(BEVEL GEAR TYPE-MULTI TURN) FOR VALVES ACTUATORS.</p> <p><u>{This enquiry is for Gear boxes (Bevel Gear type)}</u></p> <p>Offer for all the Gear boxes as per the specification</p> <p>The Price offered for all items must be on F.O.R –Trichy basis for indigenous vendors and FOB Nearest Sea/Air port for foreign vendors.</p> <p><u>Note:</u> Test Certificates are required Guarantee Certificate is required</p> | | | <p style="text-align: center;">AS PER ENCLOSED ANNEXURE-1</p> <p><u>Annexure:</u></p> <ol style="list-style-type: none"> 1. General terms & Conditions of Enquiry. 2. Scope of Supply &Special Conditions of contract. 3. Copy of Technical Delivery Condition. 4. Terms & Conditions for Indigenous/Import 5. Required Delivery: As mentioned in our annexure-1 <p><u>Date , Time & Venue of tender</u></p> <p>A)Techno-commercial Bid opening : 29.03.2016 at 14.30 IST at Tender Cell , Room No : 26, Building No 24,BHEL Tiruchirappalli-620 014,Tamil Nadu State, India.</p> <p>B) For techno-commercially suitable vendors, price bids will be opened after prior intimation.</p> | |
| <p>The rate of Excise Duty and Sales Tax, Prevalent on the date of quotation, should be clearly indicated in the quotation itself. If these particulars are not provided, the quotation is liable for rejection.</p> <p>Please, submit your lowest quotation in duplicate subject to our terms and conditions overleaf, for the above materials, so as to reach us on or before the due date by 2 P.M.</p> <p>Quotation will be opened at 2.30 p.m. on the due date in the presence of tenderers who may like to present .</p> <p>Last tenders are liable to be rejected.</p> | | | | <p>Yours faithfully,</p> <p>For Bharat Heavy Electricals Ltd Sr Manager (Valves Purchase)</p> | |



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TECHNICAL SPECIFICATION
FOR SUPPLYING
VALVES GEAR BOXES



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SCOPE

By this MOU, The specification for the Valve gearboxes is mutually agreed and applicable for the purchase orders finalised against the valve gearbox requirements from BHEL/Trichy during the period of validity of this MOU.

Project / order specific requirements will be indicated with each items of the order. However this specific requirement is over and above the specification finalized in this MOU.



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1.0 General requirements

- 1.1 During the validity of this MOU, only MOU specification will be applicable for all enquiries and it will not be discussed for any deviation/clarification etc.
- 1.2 In case of the conflict in any requirement between MOU and project specific specification, the requirement of the project section is the final and binding.
- 1.3 It is agreed that no deviations will be taken by the vendors on the specification while submitting their offers against future enquiries.
- 1.4 Since this MOU specifications is standardized and an understanding has been reached, the future enquiries will be floated on "SINGLE BID SYSTEM" only. Hence, if any offer is found with deviations, the same will be totally rejected and will not be considered for further evaluation
- 1.5 The validity of this MOU is for TWO years from the date of signing. After the expiry of the period, the same can be extended further with or without any modifications. However, in case any changes are required, the MOU may be amended before the expiry of the validity.
- 1.6 If any special or non-standard tools are required for installation, operation or maintenance, the same shall be supplied along with the equipment.
- 1.7 Trouble-free operation of the equipment shall be guaranteed for a period of 12 months from the date of commissioning OR 18 months from the date of dispatch whichever is earlier.
- 1.8 Since the vendors works alone is approved by BHEL, it is agreed the vendor will manufacture this item in their own works only and will not off-load the jobs to any other suppliers without the written approval by BHEL.
- 1.9 All components shall be packed in such a way that they should not get damaged during transport.
- 1.10 BHEL and the Vendor shall have an involvement which will commence at bid stage and follow through the completion and acceptance, thus ensuring total conformity to Purchaser's requirements.



2.0 Technical Requirements

| | |
|---------------------------|------------------------|
| PRODUCTENGINEERING/VALVES | VAL/BG/SPEC/006Rev.:03 |
| BHEL/TIRUCHIRAPPALLI-14 | DATE:10-06-2013 |

SPECIFICATION FOR BEVEL GEAR OPERATORS FOR VALVES

1. **TYPE:**

All gear operators shall have bevel gear transmission with completely enclosed construction complying to IP65 or better. The gear casing shall be designed adequately to withstand shock and vibration of the pipeline. The design shall be compact and less weight and shall not cause any trouble during operation at sites.

2. **LUBRICANT:**

The Gearbox shall be filled with suitable lubricant. The specification of lubricant shall be furnished. There shall be no leakage of lubricant from the gearbox. The grease used shall be suitable for an ambient temperature of 80 deg. Centigrade.

2. **HANDWHEEL:**

All the gear operators shall have suitable hand wheel and the size of the hand wheel shall be designed to give the required input torque. The hand wheel shall be malleable iron or steel. The maximum hand wheel diameter shall not be more than 750mm.

3. **BASE:**

The gear operator shall have base suitable to take the thrust with ball/roller bearings. An Aluminum Bronze drive sleeve with a pilot bore shall be provided as a standard supply. If specified in the Purchase Order, Ni-Resist drive sleeve is to be supplied. The drive sleeve will be threaded by BHEL to suit the stem thread.

4. **ASSEMBLY:**

The assembly of all gears, shafts etc... shall be done properly to have smooth operation without any noise. Also the Gearboxes shall be suitable for mounting in any position.

5. **OUTPUT SHAFT FLANGE:**

The flange for connecting the valve shall have dimensions as per BHEL requirement indicated in the table.



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6. INPUT SHAFT FLANGE:

Wherever gearboxes are required to be assembled with Electrical Actuator, Gear operators are to be supplied with input flanges to suit the keyed shaft of the actuator. Details of the input flange for each model shall be furnished. Applicable Actuator models that can be coupled with each Gearbox shall also be indicated.

7. RANGE:

The gear operators with torque, thrust, maximum stem acceptance diameter, base details, etc., shall be supplied as per the details given below.

| Sr.No. | Torque (kg -m) – Max. | Thrust (kgf) | Max. Stem Dia (mm) | Flange OD (mm) | Bolt Circle Dia (mm) | Locating Dia (mm) h7 | Threaded hole size (mm) | Threaded hole depth(mm) | No. of Holes | ~ Handwheel dia (mm) | Gear Ratio | Stem cover length(slotted)(mm) |
|--------|-----------------------|--------------|--------------------|----------------|----------------------|----------------------|-------------------------|-------------------------|--------------|----------------------|------------|--------------------------------|
| 1 | 11 | 2700 | 40 | 125 | 102 | 70 | M10x1.5 | 16 | 4 | 250 | 2:1 | 200 |
| 2 | 35 | 6300 | 46 | 178 | 139.7 | 95.2 | M16x2 | 26 | 4 | 310 | 2.5:1 | 250 |
| 3 | 50 | 16000 | 52 | 178 | 139.7 | 95.2 | M16x2 | 22 | 4 | 310 | 4:1 | 250 |
| 4 | 75 | 10000 | 55 | 210 | 165.1 | 127 | M20x2.5 | 26 | 4 | 460 | 3:1 | 250 |
| 5 | 100 | 19000 | 65 | 210 | 165.1 | 127 | M20x2.5 | 30 | 4 | 460 | 4:1 | 250 |
| 6 | 150 | 20000 | 62 | 289 | 254 | 152.4 | M16x2 | 34 | 8 | 460 | 4.11:1 | 400 |
| 7 | 200 | 32000 | 86 | 289 | 254 | 152.4 | M16x2 | 25 | 8 | 460 | 6:1 | 400 |
| 8 | 300 | 35000 | 85 | 343 | 298.5 | 177.8 | M20x2.5 | 31 | 8 | 610 | 6:1 | 300 |
| 9 | 400 | 45000 | 102 | 343 | 298.5 | 177.8 | M20x2.5 | 25 | 8 | 610 | 8:1 | 300 |
| 10 | 600 | 63000 | 115 | 412 | 355.6 | 215.9 | M24x3 | 45 | 8 | 610 | 9:1 | 400 |
| 11 | 800 | 82000 | 121 | 406 | 355.6 | 215.9 | M24x3 | 30 | 8 | 610 | 8:1 | 400 |
| 12 | 1200 | 120000 | 130 | 476 | 406.4 | 228.6 | M30x3.5 | 50 | 8 | 760 | 10:1 | 500 |



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8. **MATERIAL:**

All machined components like bevel gear, bevel pinion, drive sleeve etc., shall be from superior grade material suitable for the application and shall be heat treated to the design requirement.

9. **STEM PROTECTION:**

All gear operators shall have stem protection covers. Stem protection covers are to be provided with a 'SLOT' for stem position indication. The length of stem protection cover shall be as indicated in the table. Wherever different length of stem protection cover is required, the same has to be supplied as indicated in the purchase order. The thread connection of the Stem Protection Cover shall be indicated in the GA drawing & Catalogue.

10. **DRAWING:**

Supplier to furnish the general arrangement drawing and cross sectional drawing of the gear operator incorporating the material specification for all critical components and overall dimensional details for BHEL approval. Also complete dimensional drawing of drive sleeve is to be furnished for all models.

11. **TYPE TESTS:**

The gear operator shall be tested to the design requirement of torque and thrust and type test certificates shall be furnished. The mechanical efficiency shall not be less than 95%.

12. **FINAL ASSEMBLY:**

To be inspected visually for surface smoothness, painting finish and smooth operation.

13. **NAME PLATE:**

Nameplate made of suitable corrosion resistant material, preferably stainless steel, is to be fixed on to the gearbox casing. The name plate contain the following information as minimum:

Maker's Name.....:
Model Number:
Serial Number:
Output Torque.....:
Permissible Thrust.....:
Gear Ratio.....:
Material Code(as indicated in P.O):



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14. VENDOR TO FURNISH THE FOLLOWING DETAILS:

- Name of Supplier.....:
- Gear Box Model No.:
- G.A. Drawing No.....:
- Cross sectional Drg. No.:
- Drive sleeve Drg. No.....:
- Lubricant Details
- Bearing details.....:
- Suitability for Outdoor Application...: :

The vendor shall furnish the above details against each model of the Gearbox offered and enclose all the drawings & documents along with the offer.

15. Recommended spares:

The supplier shall indicate the list of commissioning spares if any and operational spares for five years of trouble free operation.

16. General:

The vendor shall confirm compliance of each of the above points and also furnish a separate deviation list, in case of any deviation in any of the clause. Even in case of no deviation the vendor shall explicitly mention as "NO DEVIATION".



3.0 Documentation Requirements

| |
|--|
| The following documents are to be attached with this MOU |
| a. GA drawings for all models including dismantling clearances. |
| b. The dimension drawing of the blank adopter bush |
| c. Dimensional catalogue with maximum spindle acceptance details |
| d. Outline dimension of gear box. |
| e. General arrangement drawing of gear box consisting following as minimum 1. Identification of critical component with its material composition. |
| 2. Mounting flange dimension |
| 3. Hand wheel dimensions |
| 4. Weight of gear box |
| 5. Stem protection cover length, thread size and type |
| f. The 3D CAD format shall be available for all the models. |
| g. Quality plan. |
| h. Type test certificates |



4.0 Quality requirements

4.1 INSPECTION AND TEST REQUIREMENTS

All equipments shall be subject to inspection by BHEL/ Client and/or their nominated inspecting authority. Vendor shall make all provisions in his shop/sub-vendors shops for complete inspection and test of gear boxes

4.2 Tests & Inspection:

- 4.2.1 During fabrication/testing, the gearboxes shall be subjected to inspection by BHEL/CUSTOMER or by any agency authorized by them. Manufacturer shall furnish all necessary information concerning the supply to BHEL/CUSTOMER inspectors.
- 4.2.2 All routine tests as specified by the applicable standards shall be conducted.
- 4.2.3 Shop tests shall be witnessed by an inspector of BHEL/CUSTOMER or of an agency authorized by customer.
- 4.2.4 Quality plan for the gear box to be followed.

4.3 Painting, Protection, Packing, Supply and Identification:

4.3.1 **Surface Preparation:** Weld slag & spatter shall be removed and the surfaces to be coated shall be free from contamination. Surface defects shall be removed by suitable methods. Sharp edges shall be smoothed by grinding. Prior to surface preparation oil, grease, drilling emulsions, cutting emulsions and preservative agents shall be carefully removed by suitable solvents. The surface shall be carefully dried with clean cloth to prevent the dissolved impurities from spreading over the entire surface. The surface shall be cleaned by wire brush and shot blasting if required. Proper adhesiveness of paint to the surface shall be ensured.

4.3.2 Paint Shade

The enclosures shall be treated and prepared for painting with suitable painting system for withstanding 500Hrs of salt spray as per ASTM B-117/ ISO 9227 standard.

4.4 Packing & Transport:

The gearbox shall be supplied to site packed in wooden crates / Carton boxes. They shall be wrapped with polythene sheets. They shall have skid bottoms for handling. All spares shall be packed separately in boxes marked SPARE



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Special precaution notations such as Fragile. This side up, centre of gravity, weight, and Owner's particulars. Purchase number etc. shall be clearly marked on the package together with other details as per purchase order.

The equipment may be stored in a covered shed for long periods before installation. The packing should be suitable for such storage.

| | |
|----------|--|
| 4.T.0 | TEST REQUIREMENTS FOR GEAR BOXES |
| 4.T.1.0 | ROUTINE TEST: |
| 4.T.1.1 | Dimensions: Overall and mounting |
| 4.T.1.2 | Details of painting as per specification and vendor practice: Anti-corrosiveness Epoxy. |
| | i. Shade. |
| | ii. Finish |
| | iii. Paint thickness |
| 4.T.1.3. | Manual operation through hand wheel. |
| 4.T.1.10 | T.1.10 Leakage test for gear case (visual). |
| 4.T.2.0 | TYPE TEST certificates shall be provided for Thrust & Torque |
| 4.T.2.5. | Enclosure protection for the total assembly. |

| | |
|----------|---|
| 4.N.0. | NOTES: |
| 4.N.0.1. | The quality plans shall be approved by BHEL. |
| 4.N.0.2. | All testing facilities shall be arranged by the vendor, at his works before calling BHEL representative for inspection. |
| 4.N.0.3. | Approved drgs., PO specification and relevant standards if any shall be made available during testing / inspection. |
| 4.N.0.4. | All measuring and testing instruments shall be periodically calibrated from National test house and certificates made available during inspection. |
| 4.N.0.5 | All relevant GA drawings, data sheets & wiring diagrams shall be submitted as controlled copy and approval shall be obtained from BHEL. All supply shall be as per these documents. |



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5.0 TERMS AND CONDITIONS-General

1. QUOTATIONS:

a. Submission of Tender: Each offer should be sent in double cover separately and the same should be sealed and super scribed with correct Tender No., item of supply and due date of opening. Two or more quotations should not be sent in one cover. Price Bid should contain only Price in Rs per unit for each type. Tender should not be addressed to any individual's name but only by designation as below:

[TENDER ROOM NO-26, BUILDING 24,](#)
[HIGH PRESSURE BOILER PLANT](#)
[BHARAT HEAVY ELECTRICALS LIMITED](#)
[TIRUCHIRAPPALLI - 620 014, TAMILNADU, INDIA](#)

b. Late tenders: Late tenders shall not be considered under any circumstance.

c. Regulations: Tender should be accompanied by detailed technical literature, Catalogue and detailed dimensional drawings in ENGLISH. 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 figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

d. Two Bid Systems: If tender calls for two-part bid system (Techno commercial & price Bid). First the Techno Commercial bid will be opened. Techno-commercially suitable vendors alone will be intimated for price bid opening or Reverse Auction.

e. PVC: Price Variation clause not acceptable. Prices should be firm.

f. Catalogue: Manufacturer's name, Trade Mark or Patent No. if any should be specified. Illustrative leaflets giving technical particulars are required along with quotation wherever necessary.

g. Acceptance: 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.

h. Samples: Samples should be submitted separately if specially requested in tender before due date of the enquiry. They should be clearly marked with the enquiry No and date on the outside cover to facilitate identification

i. Deviation: Any deviations from the specification are to be furnished separately as "Schedule of Deviation". If there is no deviation vendor should indicate "No Deviation".



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2. COMMERCIAL TERMS & CONDITIONS:

a. Terms of Payment:

For Indigenous Suppliers : BHEL payment terms is 100% after 45 days on satisfactory receipts and acceptance of material at BHEL stores.

Any deviation in the above payment terms will attract loading as mentioned below:

“Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders.

Payment through Bank is not preferred. In case payment through bank is opted by supplier, BHEL prefers document submission through bank with copy of LR and door delivery of goods to site/stores with consignee copy attached. In this case, loading will be 3% on the offered value. In case of direct to site(DTS), only 90 % through bank will be considered.

LC/Advance Payment will not be operated for indigenous vendors. Offers of indigenous vendors with payment terms as LC/Advance Payment from Indigenous vendors are liable for rejection.

For Import Suppliers: BHEL Payment terms is 100% payment on CAD basis after 45 days from the date of receipt of documents, specified in PO at BHEL Bank. Respective bank charges to respective account.

Any deviation in the above payment term will attract loading as mentioned below.

“Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders.

In the case of Usance LCs the loading will be considered @ 1.5% on the offered value.

For LC at sight, the loading will be considered @ 3.5% on the offered value.

Normally, CAD at sight and confirmed LCs are liable for rejection.

b. Liquidated Damage: Liquidated damages shall be 0.5% of the total order value per week or part there of subject to a maximum of 10% of the total order value.

For staggered delivery schedule, LD shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value.

Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offer value).

c. Delivery Terms:

For Indigenous Suppliers: FOR BHEL Trichy inclusive of freight and insurance.

For Import Suppliers: FOB nearest SEA Port/AirPort.

d. Validity of Offer: Prices should be valid for 120 days from the date of opening of this tender considering the processing time of tender. But, the prices should be valid for 18 months in the Rate Contract.

e. Duties and Taxes: If any Sales Tax is payable as extra to the quoted price, it should be specifically stated in quotation along with CST & T.N.G.S.T No. failing which the purchaser



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will not be liable for payment of Sales Tax. Our T.N.G.S.T No. 3550005 Dated 01-04-1995 C.S.T. No. 259383 Dt. 11.06.1991.

- f. 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 seller either the whole of goods or any part which the supplier has failed to deliver or dispatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute therefore. Supplier shall be liable for any loss which the purchaser may sustain by reason for such risk purchases in addition to penalty at the rate mentioned in clause 2 b above.
- g. Preferential Delivery:** If a contract is placed on a higher tender as a result of this invitation to tender in preference to the lowest acceptable offer in consideration of the earliest 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 FOR 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.
- h. Performance Bank Guarantee:** If tender Calls for Performance Bank Guarantee, Vendor should provide a performance bank guarantee (PBG) for 10% of the total Purchase order value valid for warranty/guarantee period with an additional claim period of 2 months.
- i. 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 his input materials, the effect of proforma invoice should be passed on to the purchaser.
- j. Miscellaneous:** Any Other conditions which might have been quoted by the seller and are in contravention to the terms prescribed I the order and which have not been specifically accepted in by Purchaser will not be applicable to the contract.

3. GENERAL CONDITIONS

- a.** BHEL reserves the right to finalize the tender as per item sl no wise. Separate orders will be released for each project and documents should be supplied for each order separately.
- b.** BHEL reserves the right to increase or reduce or split the Tender Quantity and to NOT to order for some or all material based on the changes in project.
- c.** BHEL shall have the right to visit vendor works during the execution of contract along with end customer for verifying status, inspection and testing of the material.
- d.** BHEL reserves the right to negotiate or re-float the tender in case the quoted prices are not acceptable.
- e.** Supplier shall arrange packing to avoid lose or damages during Road Transport, Site handling & Storage.
- f.** Purchase Order, PO Item SI No, Material code, Quantity should marked the Packing clearly.



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- g. Confirmation for compliance is to be given in the offer for all the conditions specified above and to the respective Purchase Specification.
- h. The Clause: Special provisions for Micro and small enterprises (MSE) will be followed - according to gazette notification issued by Ministry of Micro, Small and Medium enterprises and corp MM circular no. 17 dtd 24.08.2013

4. DOCUMENTATION:

For Indigenous suppliers:-

- a. **With Consignment:** Duplicate for transporter copy of Invoice, Packing List, Delivery Challan, O&M manual Material Test Certificate, Test Certificates, Calibration Report, Compliance Certificate & Guarantee/Warranty Certificate etc...
- b. **Online Submission:** Supplier should upload the soft copy of all Test Certificates in BHEL website <http://vis.bheltry.co.in/vis/index.jsp> at Vendor information system tab.
- c. **To Finance:** Original and Duplicate Invoice for payment with GR reference, should be sent directly to

[Sr Manager/Finance/Valves-Bills section](#)
[HPBP BHEL Tiruchirappalli-620014, Tamilnadu.](#)

To Purchase:

FOR BHEL TRICHY case-Copy of Invoice, Packing list, LWB and Delivery challan for reference, original IBR documents/Inspection despatch clearance certificates

- d. **Identification:**, Purchase Order, PO item SI No, Material code, quantity, Unique SI No if any should be provided in all despatch documents, materials and packing clearly.

For Import suppliers:-

- a. **With Consignment:** O&M manual and Packing List, Fumigation certificates (In case of SEA shipment).
- b. **Through Bank:** All Original Documents in Triplicate Bill of lading in case of SEA/Airway Bill in case of AIR consignment, the invoice indicating the Unit price & total price, Packing List contains quantity, net & gross weight, Packing dimensions, Certificate of Origin, all Inspection test certificates, Guarantee/warranty certificates are to be sent through supplier's bankers to BHEL bankers
- c. **To Purchase:** One copy of above non-negotiable documents are to be sent to purchase department after dispatch of the materials to follow up with freight forwarder.
- d. **Identification:**, Purchase Order, PO item SI No, Material code, quantity, Unique SI No if any should be provided in all materials and packing clearly.



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Valves/Purchase, Tiruchirappalli-620014, INDIA

GENERAL TERMS AND CONDITIONS

Phone: 0431 257 4032

Email: subhashini@bheltry.co.in

1. QUOTATIONS:

- a. **Submission of Tender:** Each offer should be sent in double cover separately and the same should be sealed and super scribed with correct Tender No., item of supply and due date of opening. Two or more quotations should not be sent in one cover. Price Bid should contain only Price in Rs per unit for each type. Tender should not be addressed to any individual's name but only by designation as below:

[TENDER ROOM NO-26, BUILDING 24,](#)
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[BHARAT HEAVY ELECTRICALS LIMITED](#)
[TIRUCHIRAPPALLI - 620 014, TAMILNADU, INDIA](#)

- b. **Late tenders:** Late tenders shall not be considered under any circumstance.
- c. **Regulations:** Tender should be accompanied by detailed technical literature, Catalogue and detailed dimensional drawings in ENGLISH. 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 figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.
- d. **Two Bid Systems:** If tender calls for two-part bid system (Techno commercial & price Bid). First the Techno Commercial bid will be opened. Techno-commercially suitable vendors alone will be intimated for price bid opening or Reverse Auction.
- e. **PVC:** Price Variation clause not acceptable. Prices should be firm.
- f. **Catalogue:** Manufacturer's name, Trade Mark or Patent No. if any should be specified. Illustrative leaflets giving technical particulars are required along with quotation wherever necessary.
- g. **Acceptance:** 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.
- h. **Samples:** Samples should be submitted separately if specially requested in tender before due date of the enquiry. They should be clearly marked with the enquiry No and date on the outside cover to facilitate identification
- i. **Deviation:** Any deviations from the specification are to be furnished separately as "Schedule of Deviation". If there is no deviation vendor should indicate "No Deviation".

2. COMMERCIAL TERMS & CONDITIONS:

- a. **Terms of Payment:**

For Indigenous Suppliers : BHEL payment terms is 100% after 45 days on satisfactory receipts and acceptance of material at BHEL stores.

Any deviation in the above payment terms will attract loading as mentioned below:

"Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders.

Payment through Bank is not preferred. In case payment through bank is opted by supplier, BHEL prefers document submission through bank with copy of LR and door delivery of goods to site/stores with consignee copy attached. In this case, loading will be 3% on the offered value. In case of direct to site(DTS), only 90 % through bank will be considered.

LC/Advance Payment will not be operated for indigenous vendors. Offers of indigenous vendors with payment terms as LC/Advance Payment from Indigenous vendors are liable for rejection.

For Import Suppliers: BHEL Payment terms is 100% payment on CAD basis after 45 days from the date of receipt of documents, specified in PO at BHEL Bank. Respective bank charges to respective account.

Any deviation in the above payment term will attract loading as mentioned below.

"Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders.

In the case of Usance LCs the loading will be considered @ 1.5% on the offered value.

For LC at sight, the loading will be considered @ 3.5% on the offered value.

Normally, CAD at sight and confirmed LCs are liable for rejection.

- b. **Liquidated Damage:** Liquidated damages shall be 0.5% of the total order value per week or part there of subject to a maximum of 10% of the total order value.

For staggered delivery schedule, LD shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value.

Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offer value).

- c. **Delivery Terms:**

For Indigenous Suppliers: FOR BHEL Trichy inclusive of freight and insurance.

For Import Suppliers: FOB nearest SEA Port/AirPort.



BHARAT HEAVY ELECTRICALS LTD

Valves/Purchase, Tiruchirappalli-620014, INDIA

GENERAL TERMS AND CONDITIONS

Phone: 0431 257 4032

Email: subhashini@bheltry.co.in

- d. **Validity of Offer:** Prices should be valid for 120 days from the date of opening of this tender considering the processing time of tender. But, the prices should be valid for 18 months in the Rate Contract.
- e. **Duties and Taxes:** If any Sales Tax is payable as extra to the quoted price, it should be specifically stated in quotation along with CST & T.N.G.S.T No. failing which the purchaser will not be liable for payment of Sales Tax. Our T.N.G.S.T No. 3550005 Dated 01-04-1995 C.S.T. No. 259383 Dt. 11.06.1991.
- f. **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 seller either the whole of goods or any part which the supplier has failed to deliver or dispatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute therefore. Supplier shall be liable for any loss which the purchaser may sustain by reason for such risk purchases in addition to penalty at the rate mentioned in clause 2 b above.
- g. **Preferential Delivery:** If a contract is placed on a higher tender as a result of this invitation to tender in preference to the lowest acceptable offer in consideration of the earliest 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 FOR 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.
- h. **Performance Bank Guarantee:** If tender Calls for Performance Bank Guarantee, Vendor should provide a performance bank guarantee (PBG) for 10% of the total Purchase order value valid for warranty/guarantee period with an additional claim period of 2 months.
- i. **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 his input materials, the effect of proforma invoice should be passed on to the purchaser.
- j. **Miscellaneous:** 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.

3. GENERAL CONDITIONS

- a. BHEL reserves the right to finalize the tender as per item sl no wise. Separate orders will be released for each project and documents should be supplied for each order separately.
- b. BHEL reserves the right to increase or reduce or split the Tender Quantity and to NOT to order for some or all material based on the changes in project.
- c. BHEL shall have the right to visit vendor works during the execution of contract along with end customer for verifying status, inspection and testing of the material.
- d. BHEL reserves the right to negotiate or re-float the tender in case the quoted prices are not acceptable.
- e. Supplier shall arrange packing to avoid lose or damages during Road Transport, Site handling & Storage.
- f. Purchase Order, PO Item SI No, Material code, Quantity should marked the Packing clearly.
- g. Confirmation for compliance is to be given in the offer for all the conditions specified above and to the respective Purchase Specification.
- h. The Clause: Special provisions for Micro and small enterprises (MSE) will be followed - according to gazette notification issued by Ministry of Micro, Small and Medium enterprises and corp MM circular no. 17 dtd 24.08.2013

4. DOCUMENTATION:

For Indigenous suppliers:-

- a. **With Consignment:** Duplicate for transporter copy of Invoice, Packing List, Delivery Challan, O&M manual Material Test Certificate, Test Certificates, Calibration Report, Compliance Certificate & Guarantee/Warrantee Certificate etc...
- b. **Online Submission:** Supplier should upload the soft copy of all Test Certificates in BHEL website <http://vis.bheltry.co.in/vis/index.jsp> at Vendor information system tab.
- c. **To Finance:** Original and Duplicate Invoice for payment with GR reference ,should be sent directly to [Sr Manager/Finance/Valves-Bills section](#)
[HPBP BHEL Tiruchirappalli-620014, Tamilnadu.](#)

To Purchase:

- FOR BHEL TRICHY case-**Copy of Invoice, Packing list, LWBand Delivery challan for reference, original IBR documents/Inspection despatch clearance certificates
- d. **Identification:**, Purchase Order, PO item SI No,Material code, quantity, Unique SI No if any should be provided in all despatch documents, materials and packing clearly.

For Import suppliers:-



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Valves/Purchase, Tiruchirappalli-620014, INDIA

GENERAL TERMS AND CONDITIONS

Phone: 0431 257 4032

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- a. **With Consignment:** O&M manual and Packing List, Fumigation certificates (In case of SEA shipment).
- b. **Through Bank:** All Original Documents in Triplicate Bill of lading in case of SEA/Airway Bill in case of AIR consignment, the invoice indicating the Unit price & total price, Packing List contains quantity ,net & gross weight, Packing dimensions, Certificate of Origin, all Inspection test certificates, Guarantee/warranty certificates are to be sent through supplier's bankers to BHEL bankers
- c. **To Purchase:** One copy of above non-negotiable documents are to be sent to purchase department after dispatch of the materials to follow up with freight forwarder.
- d. **Identification:**, Purchase Order, PO item SI No, Material code, quantity, Unique SI No if any should be provided in all materials and packing clearly.