

OIL INDIA LIMITED

(A Govt. of India Enterprise)

P.O. Duliajan-786602, Assam.

Fax No. 91-374-2800533, E-mail:material@oilindia.in

Tender No. & Date : DFD6650L15/06 20.03.2015

Bid Security Amount : INR 0.00 OR USD 0.00
(or equivalent Amount in any currency)

Bidding Type : Single Bid (Composite Bid)

Bid Closing On : 06.05.2015 at 13:00 hrs. (IST)

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Performance Guarantee : Not Applicable

OIL INDIA LIMITED have issued Limited tenders to following parties for items detailed below. For General Terms & Conditions, please refer to Document No. MM/GLOBAL/01/2005 available in OIL's web site:

| Item No./ Mat. Code | Material Description | Quantity | UOM |
|------------------------------|--|----------|-----|
| <u>10</u> 99059046 | <u>API 600 GATE VALVES</u> GATE VALVE, CAST CARBON STEEL, 101.6 MM (4"), ANSI 300 CLASS, MANUFACTURED AS PER API STANDARD 600, REGULAR BORE TYPE, RISING STEM, BOLTED BONNET, OUTSIDE YOKE, INTEGRALLY CAST FLEXIBLE WEDGE GATE, END FLANGE HAVING SERRATED RAISED FACE DRILLED IN ACCORDANCE WITH ANSI B 16.5 FACE TO FACE DIMENSION AS PER ANSI B 16.10 & TESTED AS PER API STANDARD 598, COMPLETE WITH COMPANION FLANGE IN BOTH SIDES AND REQUISITE NOS. OF STUDS & NUTS. | 90 | NO |
| <u>20</u> 99059045 | GATE VALVE, CAST CARBON STEEL, 101.6 MM (4"), ANSI 150 CLASS, MANUFACTURED AS PER API STANDARD 600, REGULAR BORE TYPE, RISING STEM, BOLTED BONNET, OUTSIDE YOKE, INTEGRALLY CAST FLEXIBLE WEDGE GATE, END FLANGE HAVING SERRATED RAISED FACE DRILLED IN ACCORDANCE WITH ANSI B 16.5 FACE TO FACE DIMENSION AS PER ANSI B 16.10 & TESTED AS PER API STANDARD 598, COMPLETE WITH COMPANION FLANGE IN BOTH SIDES AND REQUISITE NOS. OF STUDS & NUTS. | 108 | NO |

Special Notes : DETAILED TECHNICAL SPECIFICATIONS ARE AS UNDER:

A) Body & Bonnet: Cast Carbon steel ASTM A 216 Gr. WCB, body and bonnet of Radiographic quality casting. Two nos. of valves randomly selected from each line item will be radiographed as per ASME 16.34.

B) Stem: Renewable type back seat bush and rising type stem made of ASTM-276T 410/AISI 410/ASTM A 182 Gr.F6A having Double Start Threading and surface hardened preferably with nitriding. Stem should be Mirror Finish Quality. Thread of the stem should be left handed. Stem should be forged as per API 600 design (latest edition) to ensure better valve performance & durability.

C) Wedge: Sand cast steel gate. HF type flexible wedge (tapered) design; face made up with 13% Cr. SS. Base material of the wedge is ASTM A 216 Gr. WCB. Wedge face should be ground and lapped to suitable flatness. Tee slot of the stem wedge connection should be along the perpendicular direction to the flow of the fluid and shall be within the periphery of the wedge.

D) Back seat bush: Back seat bush should be 13% Cr. SS.

E) Body & Seat Ring: Seat Rings will be stellited and seat welded to the body. The base material of the seat ring will be ASTM A 105. Hardness difference between wedge and seat should be minimum 50 BHN. Seat should be harder than wedge.

F) Gland Packing: Graphite with Braided End Rings having inconel wire supports with sacrificial corrosion inhibitor pre-stressed individually. All valves shall have back seating arrangement for replacing gland packing during operation/ pressurized condition of the valve. The gland packing should be suitable to operate at high temperature service and in oil & gas environment.

G) Gland Bolts: Swing type eye bolt and nuts.

H) Hand Wheel: Direct hand wheel operated valve of spoke and rim design with arrow mark pointing in the direction of opening the valve made of ASTM A 216 Gr. WCB.

I) Stud, Bolts and Nuts: High tension stud, bolts and nuts confirming to A-193 Gr. B7 and A-194 Gr. 2H.

ITEM NOTES

1. Materials supplied must be accompanied by test certificate for the raw material used, hydraulic and air tests etc.

2. All valves should be suitable to operate at high temperature and in oil & gas environment.

3. All valves should be inspected & tested as per API spec. 598.

4. The following pressure tests for each valve must be carried out in line with API spec. 598:

- i) Shell pressure test.
- ii) Back Seat pressure test.
- iii) Low pressure closure test.
- iv) High pressure closure test.

5. Both seats and both sides of wedge should be cleaned, dried and greased properly after inspection / hydraulic testing to prevent corrosion. Both ends of each valve should also be provided with protective rubber caps.

6. The manufacture shall submit the following:-

i) Test certificates of the chemical and mechanical properties of materials used for the valve construction including trim materials as per the specifications.

ii) Test certificates of hydraulic test complete with records of timing and pressure of each test. Body and bonnet of the valve must be hydraulically tested up to rated pressure of the valves.

iii) All other test report and certificates as required by API 600 and this specification.

7. PAINTING, MARKING & SHIPMENT:

A) The valves shall be provided with suitable anti-corrosive paint.

B) All valves shall be marked as per API 600. The units of marking shall be metric except Nominal Diameter which shall be in inches.

C) Valve ends shall be suitably protected to avoid any damage during transit or storage. All threaded and machined surface subject to corrosion shall be well protected by a coat of grease or other suitable material. All valves shall be provided with suitable protectors, for flange faces, securely attached to the valves.

D) Packaging and shipping instructions shall be as per API 600.

E) Packages shall be marked legibly with suitable marking ink, the following:-

- i) Purchase Order Number
- ii) Manufacturer's Name
- iii) Valve size & rating

F) Supplier should emboss permanently the followings on every piece of valve supplied:

- i) O.I.L. P.O. No. & date
- ii) 'Manufactured for O.I.L.'

8. Only kerosene or water with suitable inhibitor to prevent corrosion shall be used for hydrostatic testing of valves. After testing, valves shall be properly dried and inside & internal parts of each valve shall be properly greased.

9. Valve shall be suitable for either buried or above ground installations.

10. Operating devices shall be designed for easy operations of valve under maximum differential pressure corresponding to the valve rating.

11. Third Party Inspection:

All valves shall be inspected by any one of OIL's approved 3rd party inspection agencies. viz. M/s Lloyds or M/s Bureau VERITAS or M/s IRS or M/s Rites, M/s Tuboscope Vecto or M/s DNV. The scope of third party inspection shall be as under:

- a. To review the heat number wise foundry certificates of castings in order to ensure that the materials used are as per purchase order.
- b. To ensure that valve body castings are procured from such foundries approved by M/s EIL or M/s Lloyds only.
- c. To ensure that proper technique and procedure as per relevant API Std./purchase order are followed by the manufacturer.
- d. To ensure that different components of the valve conform to ordered/API specifications fully.
- e. To document and issue all inspection certificates.
- f. To ensure that the valves inspected are fully embossed with the name of the inspection agency and the items mentioned in clause no. 7(F).
- g. To carry out or witness hydraulic, pneumatic test for the body and seat on each specified valve as applicable in the relevant standard.
- h) To ensure that casting of body of valve is of radiographic quality. Radiography of 2(two) nos. of valves randomly selected against each item shall be witnessed by Inspection Agency and it shall be documented properly. Moreover, TPIA shall review radiographic films of all valves which were radiographed in presence of TPIA to ensure quality of casting.
- i) To review the radiographs of body and bonnet of the valves.
- j. To inspect the valves before assembly.

12. Certified radiography film shall be submitted along with the dispatch documents.

13. All the valves of similar type, size and pressure ratings will have the same castings pattern & bonnet design.

14. Heights of all the valves of similar type, size and pressure rating will be same in order to maintain uniformity.

15. Fabrication drawing of the valves shall be duly approved prior to taking up fabrication job of the valves.

16. Drawing supplied for approval shall be realistic and have detailed information on the dimensions of all the parts including bonnet size, hand wheel size, yoke size etc. Dimensional view from all sides' i.e. top view, bottom view & side view shall be shown in the supplied drawing for a realistic assumption for the shape of the valve.

17. DELIVERY

The Items are urgently required at our site . So, bidders are requested to quote their best delivery period.

18. Documentation:

At the time of bidding, supplier should submit following documents:

- i. Detailed sectional arrangement drawing showing all parts with reference numbers and material specifications.
- ii. Assembly drawing with over-all dimensions.
- iii. Point wise compliance of NIT requirements. Any deviations from this specification, if any, must be highlighted in the offer.
- iv. Technical catalogue for the quoted valves.

SPECIAL NOTES

1. The items shall be brand new, unused & of prime quality. Bidder shall warrant (in the event of an order) that the product supplied will be free from all defects & fault in material, workmanship & manufacture and shall be in full conformity with ordered specifications. This clause shall be valid for 18 months from date of despatch/shipment or 12 months from date of receipt of the items at site ,whichever is earlier. The defective materials, if any, rejected by us shall be replaced by the supplier at their own expense. Bidders must confirm the same while quoting.

2. The minimum FOB/FCA charges in case of partial order for reduced quantity/ items shall have to be indicated by the bidder. In case this is not indicated specifically, the charges quoted would be prorata calculated and the same will be binding on the bidder.

3. The Lowest acceptable bidder whose product has not been field proven in OIL, will be considered for trial/development order for smaller quantity.

4. Validity of the offers should be 120 days from the date of bid opening. Bids with lesser validity shall be rejected.

5. Quotation must be submitted in triplicate.

6. The items covered by this tender shall be used by Oil India Limited in the PEL/ML areas which are issued/renewed after 01/04/99 and hence Nil Customs Duty during import will be applicable. Indigenous bidder shall be eligible for Deemed Export Benefit against this purchase. Details of Deemed Export are furnished vide Addendum to MM/GLOBAL/01/2005 enclosed.

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Tender issued to following parties only:

| Slno | V_Code | Vendor Name | City/Country |
|------|--------|----------------------------------|-----------------|
| 1 | 100123 | PETROL VALVES S.R.L. | MILANO |
| 2 | 100651 | STREAM-FLO INDUSTRIES LTD | ALBERTA T6B 2H5 |
| 3 | 200011 | BHARAT HEAVY ELECTRICALS LIMITED | NEW DELHI |
| 4 | 200012 | BHARAT HEAVY ELECTRICALS LIMITED | TIRUCHIRAPALLI |
| 5 | 200885 | KIRLOSKAR BROS. LTD. | PUNE |
| 6 | 202479 | UNIQUE ENGINEERS | MUMBAI |
| 7 | 203469 | K.S.B. PUMPS LTD | KOLKATA |
| 8 | 204344 | ECONO VALVES LTD. | CHENNAI |
| 9 | 204820 | LACIER INDUSTRIES | MUMBAI |
| 10 | 205891 | LARSEN & TOUBRO LIMITED | Kolkata |

NOTICE

Other than the vendors to whom the enquiry has been issued, interested vendors who wish to participate in the tender may apply with proper credentials and other relevant details so as to reach Head-Materials, Oil India Limited, P.O. Duliajan, Dist. Dibrugarh, Assam – 786602 (E-mail : material@oilindia.in , Fax : 0374-2800533) within 10 days of publication of the tender in OIL's website.

The vendors must fulfill the following conditions :

- i) The party should have three year's experience for the same item.
- ii) The party should have received one order for at least 50% quantity in last three years for the item from any reputed firm.
- iii) Annual turnover of the firm in any of the last three financial years or current financial year should be more than Rs 42 Lakhs.

NOTE : i) Relevant documents in support of experience, last order and annual turnover must be submitted along with the application.

- ii) Application without complete supporting document will not be considered.
