

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 : DFD2415L14/07 30.01.2014

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 : 28.05.2014 at 13:00 hrs. (IST)
Bid Opening On : 28.05.2014 at 13:00 hrs. (IST)

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 |
|------------------------|---|----------|-----|
| 10 99065828 | <p>Diaphragm operated motor/control valve, direct on line type along with valve positioned as one complete unit to the following specification & general requirement</p> <p>Size: 25.4 mm (1") X ANSI 300 Class RF Control action - air to close, normally open. Body : Globe, straight, through type. Body materials : Cast carbon steel (ASTM A 216 Gr. WCB). No. of ports : Double Bonnet : Plain bonnet Trim (seat ring & plug) : 316 SS with stellite facing (on seat & entire surface of the plug). Gland type : Bolted gland Seat ring & port size : Full Plug characteristic : Quick opening or throttling with linear or equal Percentage characteristic. Stem : Standard Stuffing box packing : ENVIRO SEAL PTFE / equivalent or superior material. Diaphragm material : Chloroprene rubber with fabric reinforced/ equivalent or superior material. Actuator type : Spring loaded pneumatic operated diaphragm (single spring) Spring range : 0.2 to 1.0 kg / square cm (maximum) Air supply pressure : 1.4 kg / square cm (maximum) Spring materials : Stainless steel (Cadmium plated) Mounting : Field mounted Plug, diaphragm & Stem connection : Clamp type(threaded) Valve positioner : Required Temperature range: 5 degree to 45 degree C. Actuator action : Field reversible type End connection : Flanged type, raised face as per ANSI B 16.5 specification Air connection : ¼ inch NPT (F) Fluid to be handled: sweet natural gas contaminated with water. Seat leakage classification : CLASS IV (as per ANSI/FCI</p> | 5 | NO |

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| | 70-2-2006 Standard) Hysteresis error : 3% FS or less Linearity : +/- 5% FS or less Rangeability : 30:1 Noise level: <90 dBA within 1 meter area from the valve. Casing : Weather proof The actuator yoke shall be provided with necessary arrangement for clamping pneumatic pressure indicating controller. | | |
| 20 99065822 | Diaphragm operated control valves with valve positioner . 50.8mm (2")x ANSI 300 Class RF Control action - normally open, on air supply valve to close. Upstream pressure - 25 kg/cm2 Min CV - 50 Supply of diaphragm operated motor/control valve, direct on line type along with valve positioner as one complete unit to the following specification & general requirement - Body : Globe, straight, through type. Body materials : Cast carbon steel (ASTM A 216 Gr. WCB). No. of ports : Double Bonnet : Plain bonnet Trim (seat ring & plug) : 316 SS with stellite facing (on seat & entire surface of the plug). Gland type : Bolted gland Seat ring & port size : Full Plug characteristic : Quick opening or throttling with linear or equal percentage characteristic. Stem : Standard Stuffing box packing : ENVIRO SEAL PTFE / equivalent or superior material. Diaphragm material : Chloroprene rubber with fabric reinforced/ equivalent or superior material. Actuator type : Spring loaded pneumatic operated diaphragm (single spring) Spring range : 0.2 to 1.0 kg / square cm (maximum) Air supply pressure : 1.4 kg / square cm (maximum) Spring materials : Stainless steel (Cadmium plated) Mounting : Field mounted Plug, diaphragm & Stem connection : Clamp type(threaded) Valve positioner : Required Temperature range : 5 degree to 45 degree C. Actuator action : Field reversible type End connection : Flanged type, raised face as per ANSI B 16.5 specification Air connection : ¼ inch NPT (F) Fluid to be handled : sweet natural gas contaminated with water. Seat leakage classification : CLASS IV (as per ANSI/FCI 70-2-1991 Standard) Hysteresis error : 3% FS or less Linearity : +/- 5% FS or less Rangeability : 30:1 Casing : Weather proof | 7 | NO |

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| | The actuator yoke shall be provided with necessary arrangement for clamping pneumatic pressure indicating controller. | | |
| 30 99065826 | Diaphragm operated motor/control valve, direct on line type along with valve positioned as one complete unit to the following specification & general requirement Size: 76.2 mm (3") X ANSI 150 Class RF Control action - air to close, normally open. Body: Globe, straight, through type. Body materials: Cast carbon steel (ASTM A 216 Gr. WCB). No. of ports : Double Bonnet : Plain bonnet Trim (seat ring & plug) : 316 SS with stellite facing (on seat & entire surface of the plug). Gland type : Bolted gland Seat ring & port size : Full Plug characteristic : Quick opening or throttling with linear or equal percentage characteristic. Stem : Standard Stuffing box packing : ENVIRO SEAL PTFE / equivalent or superior material. Diaphragm material : Chloroprene rubber with fabric reinforced/ equivalent or superior material. Actuator type : Spring loaded pneumatic operated diaphragm Spring range : 0.2 to 1.0 kg / square cm (maximum) Air supply pressure : 1.4 kg / square cm (maximum) Spring materials : Stainless steel (Cadmium plated) Mounting : Field mounted Plug, diaphragm & Stem connection : Clamp type(threaded) Valve positionar : Required Temperature range: 5 degree C to 45 degree C. Actuator action : Field reversible type End connection : Flanged type, raised face as per ANSI B 16.5 specification Air connection : 1/4 inch NPT (F) Fluid to be handled: sweet natural gas contaminated with water. Seat leakage classification : CLASS IV (as per ANSI/FCI 70-2-2006 Standard) Hysteresis error : 3% FS or less Linearity : +/- 5% FS or less Rangeability : 30:1 Noise level: <90 dBA within 1 meter area from the valve. Casing : Weather proof The actuator yoke shall be provided with necessary arrangement for clamping pneumatic pressure indicating controller. | 13 | NO |
| 40 99065827 | Diaphragm operated motor/control valve, direct on line type along with valve positioned as one complete unit to the following specification & general requirement Size: 76.2mm (3") X ANSI 300 Class RF Control action - air to close, normally open. | 30 | NO |

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| Item No./ Mat. Code | Material Description | Quantity | UOM |
|-------------------------------|--|----------|-----|
| | <p>Body: Globe, straight, through type. Body materials: Cast carbon steel (ASTM A 216 Gr. WCB). No. of ports : Double Bonnet : Plain bonnet Trim (seat ring & plug) : 316 SS with stellite facing (on seat & entire surface of the plug). Gland type : Bolted gland Seat ring & port size : Full Plug characteristic : Quick opening or throttling with linear or equal percentage characteristic. Stem : Standard Stuffing box packing : ENVIRO SEAL PTFE / equivalent or superior material. Diaphragm material : Chloroprene rubber with fabric reinforced/ equivalent or superior material. Actuator type : Spring loaded pneumatic operated diaphragm Spring range : 0.2 to 1.0 kg / square cm (maximum) Air supply pressure : 1.4 kg / square cm (maximum) Spring materials : Stainless steel (Cadmium plated) Mounting : Field mounted Plug, diaphragm & Stem connection : Clamp type(threaded) Valve positioner : Required Temperature range: 5 degree C to 45 degree C. Actuator action : Field reversible type End connection : Flanged type, raised face as per ANSI B 16.5 specification Air connection : ¼ inch NPT (F) Fluid to be handled: sweet natural gas contaminated with water. Seat leakage classification : CLASS IV (as per ANSI/FCI 70-2-2006 Standard) Hysteresis error : 3% FS or less Linearity : +/- 5% FS or less Rangeability : 30:1 Noise level: <90 dBA within 1 meter area from the valve. Casing : Weather proof The actuator yoke shall be provided with necessary arrangement for clamping pneumatic pressure indicating controller.</p> | | |
| <p>50 99065823</p> | <p>Diaphragm operated motor/control valve, direct on line type along with valve positioner as one complete unit to the following specification & general requirement - Size: 101.6 mm (4") X ANSI 150 Class RF Control action - Air to close, normally open. Body: Globe, straight, through type. Body materials: Cast carbon steel (ASTM A 216 Gr. WCB). No. of ports : Double Bonnet : Plain bonnet Trim (seat ring & plug): 316 SS with stellite facing (on seat & entire surface of the plug). Gland type : Bolted gland Seat ring & port size : Full Plug characteristic: Quick opening or throttling with linear or equal percentage characteristic.</p> | 22 | NO |

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| Item No./ Mat. Code | Material Description | Quantity | UOM |
|-------------------------------|--|----------|-----|
| | <p>Stem : Standard Stuffing box packing: ENVIRO SEAL PTFE / equivalent or superior material. Diaphragm material: Chloroprene rubber with fabric reinforced / equivalent or superior material suitable for natural gas as servo. Actuator type: Spring loaded pneumatic operated diaphragm Spring range : 0.2 to 1.0 kg / square cm (maximum) Servo gas supply pressure : 1.4 kg / sq. cm (maximum) Spring materials : Stainless steel (Cadmium plated) Mounting : Field mounted Plug, diaphragm & Stem connection : Clamp type (threaded) Valve positionar : Required Actuator action : Field reversible type End connection : Flanged type, raised face as per ANSI B 16.5 specification. Air connection : ¼ inch NPT (F) Fluid to be handled: sweet natural gas contaminated with water. Seat leakage classification : CLASS IV (as per ANSI/FCI 70-2-2006 Standard) Hysteresis error : 3% FS or less Linearity : +/- 5% FS or less Rangeability : 30:1 Noise level: <90 dBA within 1 meter area from the valve. Casing : Weather proof The actuator yoke shall be provided with necessary arrangement for clamping pneumatic pressure indicating controller.</p> | | |
| <p>60 99065825</p> | <p>Diaphragm operated motor/control valve, direct on line type along with valve positioner as one complete unit to the following specification & general requirement Size: 101.6mm (4") X ANSI 300 Class RF Control action # air to close, normally open, Body : Globe, straight, through type. Body materials : Cast carbon steel (ASTM A 216 Gr. WCB). No. of ports : Double Bonnet : Plain bonnet Trim (seat ring & plug) : 316 SS with stellite facing (on seat & entire surface of the plug). Gland type : Bolted gland Seat ring & port size : Full Plug characteristic : Quick opening or throttling with linear or equal percentage characteristic. Stem : Standard Stuffing box packing : ENVIRO SEAL PTFE / equivalent or superior material. Diaphragm material : Chloroprene rubber with fabric reinforced/ equivalent or superior material. Actuator type : Spring loaded pneumatic operated diaphragm Spring range : 0.2 to 1.0 kg / square cm (maximum) Air supply pressure : 1.4 kg / square cm (maximum) Spring materials : Stainless steel (Cadmium plated) Mounting : Field mounted Plug, diaphragm & Stem connection : Clamp type(threaded) Valve positionar : Required</p> | 25 | NO |

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| Item No./ Mat. Code | Material Description | Quantity | UOM |
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| | Temperature range : 5 degree C to 45 degree C. Actuator action : Field reversible type End connection : Flanged type, raised face as per ANSI B 16.5 specification Air connection : ¼ inch NPT (F) Fluid to be handled: sweet natural gas contaminated with water. Seat leakage classification : CLASS IV (as per ANSI/FCI 70-2-2006 Standard) Hysteresis error : 3% FS or less Linearity : +/- 5% FS or less Rangeability : 30:1 Noise level: <90 dBA within 1 meter area from the valve. Casing : Weather proof The actuator yoke shall be provided with necessary arrangement for clamping pneumatic pressure indicating controller. | | |

Special Notes : 1. Materials shall be brand new, unused & of prime quality. Materials must be guaranteed for a period of 18 months from the date of despatch/shipment or 12 months from the date of receipt at site, whichever is earlier. Defective materials, if any, rejected by us shall be supplied at their own expense. Bidders must confirm the same in their quotations.

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. Third party Inspection : The valves shall be inspected, tested & certified by OIL approved Third Party Inspection (TPI) Agency viz M/s Lloyds/ M/s Bureau Veritas/ RITES/ M/s DNV or M/s IRS only. Third Party Inspection charges to be quoted separately which will be considered for bid evaluation. Quotation received without TPI charges will be loaded with the maximum TPI charges received against the tender at the time of commercial evaluation. Scope of Third Party Inspection as under :

a) Verification of certificates for physical and chemical properties of the materials used, in order to confirm different components of the valves as per relevant standard.

b) Body, bonnet & blind end should be of radiographic quality casting & we require certificate to that extent. Moreover castings should be procured from OIL approved TPI Agencies /EIL approved foundries only & we require certificates supporting the same.

c) Third party will carry out necessary inspection to check dimensions of different components conform to approved drawing / relevant standard.

d) Linearity & hysteresis flow capacity plug characteristic, Cv tests (one no. against each item), leakage test etc. of the valves shall be carried out & test report for the same must be submitted along with the materials. However, if these are routine tests being carried out by the supplier then third party inspection agency will inspect & approve the certificates as per the standards.

e) Body & bonnet of the valves will be hydraulically tested up to rated pressure of the valves. Air test of the valve body is a must. After hydraulic test, the valves shall be thoroughly cleaned, dried & greased prior to despatch.

- f) After testing both ends of the valves shall be closed with suitable protective caps.
 - g) Stamping of maker's 3rd party inspector's name on each valve inspected.
 - h) Painting of valve - golden yellow colour (Yoke upward).
4. OIL reserves the right to depute its engineer at final stage of manufacturing for inspection of functional & hydraulic test of the valves at the manufacturing facility. The supplier has to arrange for the inspection accordingly and inform OIL for the same at least 15 days prior to such inspection. Expenditures related to such inspection visit shall be borne by OIL itself. However, inspection by OIL's engineer will remain at its discretion.
5. Body & bonnet castings shall be procured from reputed caster approved by any of the OIL approved TPI Agencies or M/s EIL only.
6. Seat/diaphragm & actuator leakage tests shall be conducted conforming to ANSI B 16.104 (latest edition) only.
7. Linearity, hysteresis & stem over travel tests shall be conducted as per relevant standard. Test report shall have to be forwarded to us for our scrutiny /record.
8. Stem finish shall be less than 4 micron. Cyclic & physical tests on each actuator shall be performed to ensure sound quality of diaphragm & spring.
9. Bidder must furnish the document for flow capacity test, plug characteristic tests conducted for similar type of valves manufactured by them. However, the supplier should quote the charges specifically if these are carried out for each control valve. Offers received without the above information shall be rejected.
10. Other necessary tests on the spring like SCRAG, STIFFNESS & PARALLELISM test shall be conducted & results shall conform to relevant standard & code.
11. Materials for top & bottom cover in case of actuator shall be from pressed steel duly coated with epoxy or its equivalent. Actuator spring must be cadmium plated.
12. In the event of an order the supplier must supply the casting heat no. along with the supply of the materials.
13. Fill pressure connections (tubing assembly) of controller & transmitter should be made of stainless steel.
14. Materials shall be accompanied by test certificates for raw materials used, hydraulic test, casting etc. along with inspection report of 3rd party inspection agency.
15. Bidder should provide detailed engineering drawings showing dimensional details, specification of materials, technical literature etc. along with the offer for our evaluation.
16. Validity of the offers should be 120 days from the date of bid opening. Bid with lesser validity period shall be rejectd.
17. Quotation must be submitted in **triplicate**.
18. 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.

19. **The Integrity Pact** : The Integrity Pact is applicable against this tender .OIL shall be entering into an Integrity Pact with the bidders as per format enclosed with the tender document. This Integrity Pact proforma has been duly signed by OIL's competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Any bid not accompanied by Integrity pact proforma duly signed by the bidder shall be rejected straightway.

The name of the OIL's independent External Monitors at present are as under :

- (i) Shri N. Gopaldaswami, I.A.S. (Retd.)
- (ii) Shri Ramesh Chandra Agarwal, I.P.S.(Retd.)

Their e-mail ids are available in oil's website www.oil-india.in.

20. The materials must be embossed with the followings:

- a) OIL'S PURCHASE ORDER NO.
- b) MAUFACTURED FOR OIL.
- c) Manufacturers identification mark.

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Tender issued to following parties only:

| S/no | V_Code | Vendor Name | City/Country |
|------|--------|-------------------------------------|---------------------|
| 1 | 100087 | BREDA FUCINE SPA | MILAND |
| 2 | 100092 | CONTROL FLOW INC | TEXAS |
| 3 | 100138 | SONAL ENTERPRISES | NEW YORK 10956-5538 |
| 4 | 100211 | CAMERON (SINGAPORE) PTE. LTD | SINGAPORE |
| 5 | 100475 | EMERSON PROCESS MANAGEMENT ASIA PAC | |
| 6 | 100732 | PETRO MECH COMPANY INC | KATY |
| 7 | 100755 | ZICOM EQUIPMENT PTE LTD | SINGAPORE |
| 8 | 100806 | FMC TECHNOLOGIES INC. | TEXAS |
| 9 | 101185 | FLOWSERVE PUMP CORPORATION | USA |
| 10 | 101489 | KENT INTROL LTD | HD61QF |
| 11 | 200033 | LARSEN & TOUBRO LTD. | MUMBAI |
| 12 | 201907 | EMERSON PROCESS MANAGEMENT CHENNAI | CHENNAI |
| 13 | 203084 | MIL CONTROLS LTD. | ANNAMANADA |
| 14 | 203100 | FISHER SANMAR LIMITED | KOLKATA |
| 15 | 203151 | FOURESS ENGINEERING (I) LTD | GUWAHATI |
| 16 | 203439 | KENT INTROL PVT. LTD | NASHIK |
| 17 | 203698 | TYCO SANMAR LIMITED | KOLKATA |
| 18 | 205206 | DRESSER VALVE INDIA PVT LTD. | KOLKATA |
| 19 | 207101 | BRIGHTTECH VALVES AND CONTROLS PVT. | AHMEDABAD |