

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 : DFD4576L15/07 12.08.2014

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 : 15.10.2014 at 13:00 hrs. (IST)
Bid Opening On : 15.10.2014 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 99077797	<p>50 mm (2 Inch) NB, ANSI 1500 CLASS Control Valves for Oil Field (Sweet) Natural Gas Services:</p> <p>Diaphragm operated along with PRESSURE INDICATING CONTROLLERS, POSITIONERS and REGULATORS as per the following specification.- Normally Closed, Single Port, Quick opening, Plug type On-Off valve application, Both ends RTJ flanged conforming to ANSI B-16.5. Face-to-face dimension as per ANSI B 16.10.</p> <p>MATERIAL OF CONSTRUCTION:</p> <p>a) Valve Body and Bonnet: Cast carbon Steel (ASTM A-216, Gr. WCC or ASTM A352, Gr. LCC). The casting must be of radiographic quality.</p> <p>b) Valve Plug: S31600 (316 stainless steel) with CoCr-A (Stellite 6) Seat and Guide or equivalent</p> <p>c) Seat Ring Matl: S31600 (316 stainless steel) with CoCr-A (Stellite 6) Seat or equivalent</p> <p>d) Stem Material: S20910 SS or equivalent</p> <p>e) Cage Material: S17400 SS Double H1150 heat-treated or equivalent</p> <p>f) Gland Packing: PTFE V-ring or superior</p> <p>g) Valve Body-to-bonnet bolting: SA-193-B7 Studs/2H Nuts</p> <p>ACTUATOR: of suitable size, spring loaded pneumatic diaphragm actuator direct/reverse action, Yolk mounted regular suitable for Natural Gas.</p> <p>PRESSURE CONTROLLER: Indicating type Controller, Non-Lubricating bourdon tube operated, reversible and yolk mounted, weather proof case as per IP-65</p> <p>OPERATING PARAMETER:</p> <p>Maximum Operating Pressure: 250 kg/sq. cm, Temperature: 0 to 50 Deg C.</p> <p>Maximum Throughput: 0.30 MMSCMD</p> <p>Maximum Inlet Pressure: 250 Kg/sq. cm</p> <p>Maximum Outlet Pressure: 30 Kg/sq. cm Shutoff</p> <p>Class: ANSI Class IV</p>	7	NO

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Item No./ Mat. Code	Material Description	Quantity	UOM
	Required Pressure Controller Range: 0 - 42 Kg/cm ² Molecular weight of Natural Gas (MW): 17.3 Body End Flanges: RTJ-ANSI 1500 Class		
20 99077798	<p>50 mm (2 Inch) NB, ANSI 2500 CLASS Control Valves for Oil Field (Sweet) Natural Gas Services: Diaphragm operated along with PRESSURE INDICATING CONTROLLERS, POSITIONERS and REGULATORS as per the following specification.- Normally Closed, Single Port, Quick opening, Plug type On-Off valve application, Both ends RTJ flanged conforming to ANSI B-16.5. Face-to-face dimension as per ANSI B 16.10.</p> <p>MATERIAL OF CONSTRUCTION: a) Valve Body and Bonnet: Cast carbon Steel (ASTM A-216, Gr. WCC or ASTM A352, Gr. LCC). The casting must be of radiographic quality. b) Valve Plug: S31600 (316 stainless steel) with CoCr-A (Stellite 6) Seat and Guide or equivalent c) Seat Ring Matl: S31600 (316 stainless steel) with CoCr-A (Stellite 6) Seat or equivalent d) Stem Material: S20910 SS or equivalent e) Cage Material: S17400 SS Double H1150 heat-treated or equivalent f) Gland Packing: PTFE V-ring or superior g) Valve Body-to-bonnet bolting: SA-193-B7 Studs/2H Nuts</p> <p>ACTUATOR: of suitable size, spring loaded pneumatic diaphragm actuator direct/reverse action, Yolk mounted regular suitable for Natural Gas.</p> <p>PRESSURE CONTROLLER: Indicating type Controller, Non-Lubricating bourdon tube operated, reversible and yolk mounted, weather proof case as per IP-65</p> <p>OPERATING PARAMETER: Maximum Operating Pressure: 350 kg/sq. cm, Temperature: 0 to 50 Deg C. Maximum Throughput: 0.35 MMSCMD Maximum Inlet Pressure: 350 Kg/sq. cm Maximum Outlet Pressure: 30 Kg/sq. cm Shutoff Class: ANSI Class IV Required Pressure Controller Range: 0 - 42 Kg/cm² Molecular weight of Natural Gas (MW): 17.3 Body End Flanges: RTJ-ANSI 2500 Class</p>	6	NO

Special Notes : A) Item Notes:

- i) Field pneumatic supply pressure at 2.1 kg/sq.cm (max) will be used as pneumatic supply for the controller & positioner.
- ii) Pressure controller must be indicating type, Make: FISHER-4195K or ABB / Kent-Taylor 440R Series Pneumatic Indicating Controller. Pressure element range should be 0#42 kg/sq. cm.
- iii) Valve Positioner should be of Fisher-3582 or MIL 7400 Pneumatic Positioner or Taylor

Pneumatic Positioner.

- iv) Servo Regulator must be Fisher-67CFR type.
- v) Valve sizing and the Cv calculation data sheet to be provided along with the offer for all valves for approval.
- vi) Bidder to quote separately for controller, positioner and regulator.
- vii) All necessary test certificates to be provided along with the supply.
- viii) All valve leakage test should be as per Leakage Class IV, leakage test shall be carried out with kerosene and Air only.
- ix) Controller and Positioner shall be weatherproof as per IP65.
- x) 3rd party inspection agency shall inspect all the materials, bidder should quote the 3rd party charge separately.

B) General Notes:

I) Other Features:

- i) Valve Body castings shall be procured from reputed caster approved by any of the OIL approved TPI Agencies or M/s EIL only. Certificates supporting the same to be submitted along with supply.
- ii) Seat/diaphragm & actuator leakage tests shall be conducted conforming to ANSI B 16.104 (latest edition) only.
- iii) Bidder to provide Cv calculation sheet specific to the valve and for the operating parameters as per NIT.
- iv) 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.
- v) The supplier must mention their identification marks on each piece of item; casting heat no. etc.
- vi) Materials shall be accompanied by test certificates for raw materials used, hydraulic test, casting etc. along with inspection report of 3rd party inspection agency.
- vii) Bidder should provide detailed engineering drawings showing dimensional details, specification of materials, technical literature etc. along with the offer for our evaluation.

II) Third Party Inspection:

Control Valves shall be inspected by OIL enlisted Third Party Inspection (TPI) Agency viz M/s Lloyds, M/s Bureau Veritas, M/s Rites, M/s DNV, M/s IRS only. The TPI charge shall be quoted separately which shall be considered for bid evaluation.

The scope of third party inspection shall be as under:

- i) To review heat number wise foundry certificates of casting in order to ensure that the materials used are as per purchase order.
- ii) To ensure that valve Body castings shall be procured from reputed caster approved by any of the OIL approved TPI Agencies or M/s EIL only. Certificates supporting the same should be verified and reviewed.
- iii) To ensure that proper technique and procedure as per relevant standards & code, Purchase Order are followed by the manufacturer.
- iv) To ensure that different components of the control valve & other accessories confirm to purchase order / relevant standard & code fully.
- v) To document and issue all inspection certificates.
- vi) To ensure that the control valves inspected are fully embossed with the name of manufacturer and inspection agency.
- vii) To witness hydraulic, pneumatic test for the body and seat on each specified control valve as applicable in the relevant standard.
- viii) To inspect prior to machining and radiography.
- ix) To review the radiographs of body and bonnet of the valves. Certified radiography films shall be submitted along with the dispatch.
- x) 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.

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

III) Painting, Marking & Shipment:

i) The control valves should be provided with suitable anti-corrosive paint. Manufacturer shall indicate the type of corrosion resistant paint used in the drawing submitted along with quotation.

ii) All valves shall be marked as per relevant standard & code.

iii) Besides marking as per standard & code, the following must be embossed on each valve:

a) Manufacture's Name

b) Order No. & Serial No.

c) Valve size & Rating

iv) Valve flanges ends shall be suitably protected to avoid any damage during transit or storage. All threaded and machined surfaces susceptible to corrosion shall be well protected by grease or suitable material.

v) Packaging and shipping instructions shall be as per relevant standard.

vi) Packing shall be marked legibly with suitable marking ink for the following:

a) Order No.

b) Manufacture's Name

c) Valve size & Rating

IV) Guarantee:

i) Manufacturer shall guarantee that the valves and other accessories are manufactured as per relevant standard and code. Documentation to this effect must be submitted for the valves supplied.

ii) The valves and other accessories shall be warranted for satisfactory workmanship and trouble free operation for a period of 18 months from the date of shipment or 12 months from commissioning whichever is earlier. The valves shall be repaired/replaced if any defect is found during that period.

V) Documentation:

i) At the time of bidding, bidder shall submit the following documents without which offer will be outright rejected:

a) Detailed sectional arrangement drawing showing all parts with reference numbers and material specifications.

b) Assembly drawing with overall dimensions.

c) Point wise compliance of NIT requirements. The bidders in their offers, if any, must highlight any deviations from these specifications.

d) Technical catalogue / literature for the valves and other accessories.

e) Testing and quality control procedures.

ii) Prior to shipment, manufacturer shall submit all the test certificates as listed in this specification along with additional, if any.

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/commissioning of the items. The defective materials, if any, rejected by us shall be

replaced by the supplier at their own expense in F.O.R. destination basis. 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. Delivery is the utmost importance of this tender. Accordingly bidder to quote their best and possible delivery schedule.

4. OIL's reserves the right to the quantity of each item increased or decreased at the time of final order placement.

5. 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. Inspection by OIL's engineer will remain at its discretion.

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

7. Quotation must be submitted in **triplicate**.

8. 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:

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	206821	DARLING MUESCO (INDIA) PVT. LTD.	AHMEDABAD
20	207101	BRIGHTCH VALVES AND CONTROLS PVT.	AHMEDABAD