

OIL INDIA LIMITED

(A Govt. of India Enterprise)
P.O. Duliagan-786602, Assam.

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

Tender No. & Date : DFD6517L15/07 10.03.2015

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 : 29.04.2015 at 13:00 hrs. (IST)
Bid Opening On : 29.04.2015 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 0C000451	<p>ELECTRIC MOTOR DRIVEN, SKID MOUNTED, RECIPROCATING PLUNGER TYPE CHEMICAL DOSING PUMP.</p> <p>Electric Motor Driven, Skid Mounted, reciprocating plunger type Chemical Dosing Pump with enclosed gear box, complete with variable output adjustment devices, relief valves, check valves on suction as well as delivery sides, strainer, base frame etc. as per the following specification -</p> <p>A. Details of Pump:</p> <p>Capacity: 0-40 LPH Delivery Pressure-Maximum of 10 Kg/cm²</p> <ol style="list-style-type: none"> 1. Single Simplex Reciprocating Plunger type Metering Pump. 2. The suction shall be of size ½ " x ½ " Flanged to ANSI B 16.5, Flanges of SA 105. 3. Capacity of the pump shall be 0-40 LPH against dis. Pressure of 10 Kg/cm² when run at 200 SPM with flooded suction. The pump shall have manual adjustment facility for discharge rate. 4. The pump shall have suitable check valves at suction and delivery along with a strainer at suction side. 5. The Pump shall have suitable safety valves to protect it from any abnormal pressure rise in delivery. 6. Liquid - Fluid end (wetted parts) of pump suction and discharge end shall be of SS 304. 7. The following MOC shall be used for various parts of pump body: Head: AISI 304, Plunger: AISI 304, Valves (Suction and Discharge): AISI 304, Gland Packing: PTFE. 8. The Pump shall be suitable for handling flow improver of viscosity 85 cP @ 40°C. Pump shall be suitable for operating temperature of range 40 - 60°C. <p>B. Details of Motor:</p> <ol style="list-style-type: none"> 1. The motor shall be 3 phase, squirrel cage, AC Induction motor. The motor shall be FLAMEPROOF type, suitable for installation in Zone 1 Hazardous 	16	NO

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	<p>Area, Gas Group IIA and IIB of Oil Mines. The motor shall be certified by Central Industrial Mining and Fuel Research Institute (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory and approved by Director General of Mines Safety (DGMS), Govt. of India, for FLP construction and use in above area.</p> <p>2. Standards to be followed for motor: IS- 325, 2148.</p> <p>3. The motor rating shall be minimum 10 % higher than the input shaft HP, required for running of the driven equipment at the rated continuous output.</p> <p>4. The enclosure of the motor shall be TEFC with Degree of protection - IP55.</p> <p>5. The insulation of the motor shall be Class F/H with temperature rise limited to that of class B.</p> <p>6. Motor shall be suitable for $415 \pm 6\%$ volts, 3 Phase, 50 cycles, AC supply and should withstand high voltage fluctuation.</p> <p>7. The frequency of the motor shall be $50 \text{ Hz} \pm 3\%$.</p> <p>8. The motor shall be Direct Coupled with bi-directional fan at NDE.</p> <p>9. Starting: DOL starting for motors up to 12.5 HP; Y/D for motor above 12.5 HP.</p> <p>10. Terminal Box: Flameproof Cable termination box with brought out terminals suitable for terminating PVCA aluminum cables of proper size as per rating of motor (01 no. for DOL; 02 nos. for Y/D starter). Terminal shall be of brass with non-hygroscopic insulation support (FRP or DMC) suitable for tropical climate.</p> <p>11. Glands: Adequate nos. of FLP glands (depending on motor rating and type of starter) shall be supplied with the motor. The FLP glands shall be suitable for installation in Hazardous Area Zone 1 and Gas Group IIA and IIB of Oil Mines. Glands shall be certified by Central Industrial Mining and Fuel Research Institute (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory</p> <p>12. Earthing: Two nos. of earthing studs to be provided on both sides of the motor. Earthing system for the motor shall be as per the IS: 3043.</p> <p>13. Lifting Eye: One no. lifting eye hook shall be provided for lifting the motor.</p> <p>14 Markings: Name plate details with name of manufacturer, frame size, rated voltage, output, current, frequency, type of duty, class of insulation, no. of phases, speed in rpm at rated output, degree of protection, winding connections, ambient temp, bearing sizes, lubricant, lubrication material and year of manufacture CMRI certification details, DGMS approval details and DGMS logo as per DGMS approval.</p> <p>DGMS logo and approval no. shall be engraved type on a separate metallic plate (brass/SS) and fixed on the motor body in a conspicuous place, in a permanent manner (riveted on the motor body).</p> <p>15. The motor shall be of Bharat Bijlee/Crompton Greaves/KEC/Siemens/NGEF make.</p> <p>C. Details of Starter</p> <p>Separate Flameproof starter shall be supplied with the motor. The starter shall be suitable for self-mounting with proper supports, with provisions for grouting on floor/wall.</p> <p>1. The starter shall be suitable for 3 phase, 415v, 50 Hz squirrel cage, AC Induction motor.</p> <p>2. The starter shall be FLAMEPROOF type, suitable for installation in Zone 1</p>		

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	<p>Hazardous Area, Gas Group IIA and IIB of Oil Mine. The starter shall be certified by Central Industrial Mining and Fuel Research Institute (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory and approved by Director General of Mines Safety (DGMS), Govt. of India, for FLP construction and use in above area. Standards: IS-13947, 2148. Enclosure: FLP with Degree of protection -IP55</p> <p>3. Starter shall be suitable for $415 \pm 6\%$ volts, 3 Phase, 50 cycles, AC supply and should withstand specified voltage fluctuation. Freq.: $50 \text{ Hz} \pm 3\%$.</p> <p>4. There shall be a power isolator built-in with the FLP enclosure for isolating the power supply to the starter. Alternately, a separate FLP box with isolator, mounted with the main starter enclosure, can also be provided. However, the complete enclosure shall be certified for flameproof quality and approved by DGMS.</p> <p>4. The starter shall have Power contactor(s) with auxiliary contacts. The Power Contactor(s) normal current rating shall be selected for long life operation of the contactors. One bimetallic thermal overload relay with AUTO/MANUAL reset (reset button to be mounted on door of the starter and shall be accessible from front) shall be provided for overload protection of the motor.</p> <p>5. Start/stop push button shall be provided on the front the starter.</p> <p>6. Control circuit of the starter shall operate on 240/415v AC.</p> <p>7. In case of Y/D starter Electronic timer for Y/D delay shall be present.</p> <p>8. Make of Contactor, Relay, timer: Siemens/GE/Schneider/L&T/ABB/Indo-Asian.</p> <p>9. Terminal Box: Cable termination box with brought out terminals suitable for terminating PVCA aluminum/copper cables of proper size as per rating of motor (01 no. for DOL; 02 Nos. for YD starter). Terminal shall be of brass with non-hygroscopic insulation support (FRP or DMC) suitable for tropical climate.</p> <p>10. Glands: Adequate nos. of FLP glands (depending on rating and type of starter and cable rating) shall be supplied with the starter. The FLP glands shall be suitable for installation in Hazardous Area Zone 1 and Gas Group IIA and IIB of Oil Mines. The glands shall be certified by Central Industrial Mining and Fuel Research Institute (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory for FLP construction and use in above area.</p> <p>11. Earthing: Two nos. of earthing studs to be provided on both sides of the enclosure. Earthing system for the starter shall be as per the IS: 3043.</p> <p>12. Markings: Name plate details with name of manufacturer, type, rated voltage, rated output CIMFR/other certification details, DGMS approval details and DGMS logo as per DGMS approval.</p> <p>DGMS logo and approval no. shall be engraved type on a separate metallic plate (brass/SS) and fixed on the motor body in a conspicuous place, in a permanent manner (riveted on the motor body).</p> <p>13. Make of Starter shall be FCG/Baliga/Flexpro/FEPL/ExEc.</p> <p>14. Any other electrical accessory such as push button station, junction box etc. required for the system shall also be FLAMEPROOF type, suitable for installation in zone 1 Hazardous Area, Gas Group IIA and IIB of Oil Mines. The items shall be certified by Central Industrial Mining and Fuel Research Institute (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory and approved by Director General of Mines Safety(DGMS), Govt. of India, for FLPconstruction and use in above area.Standards:IS-2148,</p>		

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	Enclosure :FLP with Degree of protection-IP55.		

Special Notes : 1. The Bidder shall be an Original Equipment Manufacturer (OEM) or its authorized agent / dealer. Bidders other than Original Equipment Manufacturer (OEM) shall submit a valid Authorization Certificate along with warranty / guarantee back-up from the OEM along with the bid.

2. The Pump and motor shall be unitized on a common MS skid base plate by a Pin bush type / lovejoy coupling having coupling guard and foundation bolts.

3. The bidder must submit necessary drawings and literatures, catalogues, operating manual along with the bid for technical evaluation.

4. DGMS approval certificate copy and test laboratory certificate copies of the motor and starter shall be submitted along with the bid.

5. Valid DGMS approval no. & mark should be fixed on the motor/starter body as per guidelines mentioned in the DGMS approval.

6. The FLP motor, starter, junction box, push button station & FLP gland(s) must be suitable for installation in Hazardous Area Zone 1 area, Gas Group IIA and IIB, of Oil Mines. These must be suitable for installation in Hazardous Area Zone 1 and Gas Groups IIA and IIB of Oil Mines. These items shall be certified by Central Industrial Mining and Fuel Research Institute (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory for FLP construction and use in above area. Additionally, the motors, starter, junction boxes, PBS etc. shall have valid DGMS approval from Director General of Mines Safety, Dhanbad. Copies of test laboratory certification and DGMS approval for the motor, starter & the glands must be furnished with the offer.

Note : A. In case DGMS approval for the electrical equipment such as motor, starter etc. are not available, field trial permission letter with sufficient validity (more than 6 months) shall be submitted for such equipment.

7. Motor/starter shall be guaranteed for one year after date of commissioning and tested for routine tests at factory. Guarantee certificate & the factory test report of the motor should be submitted with the pump unit.

8. Frame size & make of the offered motor should be mentioned in the offer.

9. Copy of the drawing of the offered FLP Motor/starter enclosure showing terminal box & cable entry arrangement with double compression FLP & weatherproof cable gland should be submitted with the offer for scrutiny, otherwise the offer will not be considered for evaluation.

10. All unused cable entries holes must be plugged with CIMFR/test laboratory certified FLP sealing plugs made of cast iron.

11. Packing shall be adequate to avoid transit damage & protection against tropical rains.

12. Bidder shall categorically mention that their offer complies with all the features mentioned in the Motor specification & all the relevant documents required as per above points are enclosed in their offer.

13. The FLP electrical equipments shall have name plate of corrosion resistant material and also have the DGMS (India)'s approval no./letter no. and DGMS logo embossed on the plate.

14. The bidder has to submit the following documents along with their offer for evaluation purpose:

- I. Detailed layout drawing with detailed equipment sizing calculation.
- II. Detailed Electrical schematic and component layout Diagram of the starter panel.
- III. Detailed technical literature for all equipment.
- IV. Categorical confirmation of submission of valid DGMS approval letter and CMRI Certification for all equipment used in the unit.

15. The bidder shall, in the event of an order, agree to submit the following documents prior to dispatch of the unit & only after receipt of categorical approval from OIL; the unit is to be dispatched from their plant:

- I. Detailed Foundation Drawing of the unit.
- II. Detailed Operation & Maintenance (O&M) Manual.
- III. Guarantee Certificate.
- IV. Valid test laboratory certification & DGMS approval letter for all flameproof equipment used in the unit.

16. The bidder shall quote for recommended spares along with price, part nos. of individual items for two (02) years trouble free operation of the dozing unit. While quoting for these spares, the bidder shall take into account the consumption pattern as deemed fit. The price of these spares shall not be considered for evaluation. However, procurement of these spares shall be at the discretion of OIL.

17. The bidders shall also confirm availability of all the spares quoted, for a period of five (05) years from the date of supply of the dozing unit.

18. In the event of an order, first fill of lubricant shall be within the scope of supply of the bidder.

19. Payment Terms

i) Equipment supplied with valid DGMS approval

- a). 90% Payment shall be release against proof of shipment/despatch of materials and receipt of DGMS approved certificate.
- b). Balance 10% shall be release after receipt/acceptance by OIL.

ii) Equipment supplied without DGMS approval, but with field trial permission only

- a). 50% of the order value shall be released against proof of shipment/despatch of materials.
- b). Balance 50% shall be released after after receipt and acceptance by OIL and receipt of DGMS approval certificate.

20. Materials to be supplied shall be new, of recent make, of the best quality & workmanship and shall be guaranteed by the Seller for a period 18 months from the date of despatch/shipment or 12 months from the date of successful receipt/commissioning, whichever is earlier against defects arising from faulty materials, workmanship or design. Defective goods / materials or parts notified by OIL to the Seller shall be replaced immediately by the Seller on F.O.R destination basis including payment of all taxes and duties at Seller's expense.

21. 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.

22. Validity of the offers should be 120 days from the date of bid opening. Bids with lesser

validity shall be rejected.

23. Quotation must be submitted in triplicate.

24. 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	100085	BEAUMONT ITALIA SRL PRODOTTI CHIMIC	
2	100138	SONAL ENTERPRISES	NEW YORK 10956-5538
3	100196	WHEATLEY GASO INC ,	OKLAHOMA
4	100506	MILTON ROY COMPANY	IVYLAND
5	100684	AKV ENTERPRISES(CANADA)	ONTARIO
6	100732	PETRO MECH COMPANY INC	KATY
7	100754	CVS CONTROLS LTD	CANADA T6E0A9
8	100755	ZICOM EQUIPMENT PTE LTD	SINGAPORE
9	102009	DOSEURO(UK) LIMITED	
10	102177	NATIONAL OILWELL VARCO	
11	201220	V K PUMPS INDUSTRIES PVT.LTD.	MUMBAI
12	201656	SHAPO TOOLS	MUMBAI
13	201657	METACHEM CORPORATION	MUMBAI - 400 058
14	202784	MILTON ROY INDIA (P)LTD	CHENNAI
15	202892	MATZ PUMPS PRIVATE LIMITED	AHMEDABAD

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 3(three) year's experience for the same item as on the Bid Closing Date
- ii) The party should have received one order for at least 50% quantity in last 3(three) years as on Bid Closing Date for the item from any reputed firm.
- iii) Annual turnover of the firm in any of the last 3(three) financial years or current financial year should be more than Rs 11.79 Lakhs

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

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