

## **IMPORTANT NOTE**

BID DOCUMENT HAS BEEN DISPLAYED BELOW TO UNDERSTAND THE REQUIREMENT ONLY. PARTIES INTERESTED TO PARTICIPATE AGAINST THIS TENDER SHALL HAVE TO PURCHASE THE TENDER DOCUMENT FROM ANY OF OIL'S DESIGNATED OFFICES MENTIONED IN THE TENDER NOTIFICATION. PROOF OF PURCHASE OF TENDER DOCUMENT MUST BE SUBMITTED ALONG WITH THE OFFER FAILING WHICH OFFERS SHALL BE TREATED AS UNSOLICITED.

**OIL INDIA LIMITED**  
**( A Govt. of India Enterprise )**  
**4, India Exchange Place,**  
**Kolkata – 700 001.**

**OIL INDIA LIMITED** (OIL) invites sealed tenders for supply, installation / commissioning of the following items :-

<b>Srl. No.</b>	<b>Tender No. (Bid Closing Date)</b>	<b>Materials Description</b>	<b>Single Order Value in ( Rs. Lakhs)</b>	<b>Annual Turnover in (Rs. Lakhs)</b>
1.	<b>KID5568P10/03 (11-12-09)</b>	<b>Auto Evacuation System for LPG Cylinder – 1 No.</b>	<b>12</b>	<b>24</b>
2.	<b>KID5565P10/03 (11-12-09)</b>	<b>Acoustic Enclosure for 30 KVA Genset -10 Nos.</b>	<b>32.50</b>	<b>65</b>
3.	<b>KID5567P10/03 (11-12-09)</b>	<b>Acoustic Enclosure for 15 KVA Genset -5 Nos.</b>	<b>14</b>	<b>28</b>
4.	<b>KID5645P10/08 (11.12.09)</b>	<b>FLP Electric Motor Driven Screw Pump – 2 Nos.</b>	<b>36</b>	<b>72</b>
5.	<b>KID5599P10/02 (11-12-09)</b>	<b>Flow Metering System for LPG Tankers – 2 items.</b>	<b>37</b>	<b>74</b>

**2.0** Bid documents (Non transferable) can be purchased from **04.11.2009** till one day prior to the respective Bid Closing Dates on payment of tender fee of Rs. 1000.00 each through Crossed Demand Draft in favour of M/s. Oil India Limited (excepting for PSUs and SSI units registered with NSIC/Directorate of Industries for the item) from (A) Head (Calcutta Branch), Oil India Limited, 4,India Exchange Place, Kolkata - 700001 (B) Head Materials, Oil India Limited, P.O. Duliajan, Assam - 786602 (C) Sr. Adviser (Contract & Purchase), Oil India Limited, Plot No. 19, Sector-16A, Noida – 201301 (D) Sr. Materials Manager (Pipeline), Oil India Limited, P.O: Udayan Vihar, Guwahati - 781171.

**3.0** To be eligible for issue of tender documents, the applicant must meet the following qualifying criteria (documentary evidence to be provided) :

(i) Successful execution of a single order of value not less than the amount shown above for supply of similar items during last five years.

(ii) Annual turnover of the firm in any of the last three financial years or current financial year should be more than the amount shown above.

**4.0** Bidders may visit OIL's website [www.oil-india.com](http://www.oil-india.com) for further details on the above tenders.

**CORRIGENDUM**

**1. The Bid Closing Date against Tender No. KID4216P10/03 dt. 13-07-09 for Fire Tube for Emulsion Treaters – 11 Nos. has been extended to 13.11.2009 (14.00 Hrs.)**

\* \* \*

**OIL INDIA LIMITED**

(A Govt. Of India Enterprise) Tel :033 2230 1657, 1658  
 4, India Exchange Place, Fax :91 33 2230 2596  
 Kolkata-700001 E-mail :oilcalmn@cal2.vsnl.net.in

**Tender No. & Date : KID5645P10/08 28.10.2009**

Bid Security Amount : INR 180,000.00 OR USD 0.00  
 (or equivalent Amount in any currency)

**Bidding Type : Single Bid (Composite Bid)**

Bid Closing On : 11.12.2009 at 14:00 hrs. (IST)  
 Bid Opening On : 11.12.2009 at 14:00 hrs. (IST)

Performance Guarantee : Applicable

OIL INDIA LIMITED invites Limited tenders for items detailed below:

Item No./ Mat. Code	Material Description	Quantity	UOM
<b>10</b> 0C000451	<p>FLP ELECTRIC MOTOR DRIVEN POSITIVE DISPLACEMENT SCREW PUMP FOR FORMATION WATER DISPOSAL WITH CAPACITY 20 KLPH &amp; PRESSURE 50 KG/SQ.CM</p> <p>1.0 PUMP:</p> <p>1.1 Type : Positive Displacement Screw Pump (progressive cavity pump.)</p> <p>1.2 Service: Continuous NOTE : #Continuous duty# means pump having service operation on full load for a period of 8 hours to 24 hours per day .</p> <p>1.3 Maximum Capacity: 20 KILO LITRE PER HOUR</p> <p>1.4 Maximum Working Pressure: 50 kg/sq.cm</p> <p>1.5 Absorbed Power (KW) : 42.5 kw</p> <p>1.6 Recommended Power (KW) : 55 KW</p> <p>1.7 Mechanical Efficiency : Not less than 60 %</p> <p>1.8 Volumetric Efficiency :Not less than 80 %</p> <p>1.9 Suction Condition: Negative Suction (2 MWC)</p> <p>1.10 Pumping Temperature: 70-100 Deg C</p> <p>1.11 NPSH( R)( Mts.): 3.00 MWC</p> <p>1.12 Liquid to be handled: Formation Water</p> <p>1.12(a) PARAMETERS OF FORMATION WATER TO BE HANDLED :</p> <p>PH : 7.2 to 8.5 Specific gravity: 0.9875 Viscosity : 1 cst Sand particles : Traces Dissolved salt content : 5000 ppm Max Iron content : 1 to 7 ppm Calcium content : 3 to 128 ppm Suspended solids: 1 to 400 ppm Sulphur content : Traces Oxygen content : 8 ppm Maximum Oil content : 50 to 5000 ppm Temperature of Formation Water:70 Deg C Max</p> <p>1.13 Construction Features: Pump Casing - SS Duplex Bearing Housing # Cast Iron IS 210 FG 220 Stator - Hi Nitrile Black</p>	2	NO

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Item No./ Mat. Code	Material Description	Quantity	UOM
	<p>Rotor- Stainless Steel - SS Duplex  Shaft - SS Duplex  Universal Joint : #Cardan Type# Universal Joint  Stator Entry - Tapered entry  Stuffing Box- Externally mounted</p> <p>1.14 Suction Size : 100 mm ( Top)  1.15 Delivery Size : 100 mm ( End)  1.16 Type of Drive : Direct drive through Gear Box &amp; FLP Electric Motor.  1.17 The pump should be suitable for running in both the direction for flushing the pump .  1.18 Limit switch device should be provided at the suction side &amp; a pressure switch at the discharge side of the pump to prevent the pump from dry running including supply of Limit Switch and Pressure Switch.  1.19 RELIEF VALVE: A suitable spring loaded full flow type pressure relief valve shall be mounted on discharge line of the pump suitable for a working pressure of 50.0 Kg/cm<sup>2</sup> and a set pressure of 62.5 Kg/cm<sup>2</sup> with reputed make of relief valve viz., OTECO / BAIRD.</p> <p>2.0 PRIMEMOVER: The prime mover shall be 440 V, 3 Ph, 50 Hz, 8 Pole FLP Electric Motor and shall meet the following :</p> <p>2.1 DETAILS OF MOTOR:The motor shall have the following specifications.  Type :1. The motor shall be 3 phase, squirrel cage, AC Induction motor conforming to BIS 325  2. The motor shall be FLAMEPROOF type, suitable for installation in Zone 1 area and Group IIA and IIB type gas. The motor shall be certified by Govt. of India, Central Mining Research Institute, Dhanbad, India (CMRI) and approved by Govt. of India, Director General of Mines Safety (DGMS).  Rated output : Approx 55 KW (The motor rating shall be so designed that it is minimum 15% higher than the respective absorbed power required for full rated capacity load handling).  Enclosure : FLP, TEFC with Degree of protection = IP55  Insulation : Vacuum pressure impregnated, Class F with winding temperature rise limited to value specified for class B insulation  Cooling : Self air cooled through internal bi-directional fan of motor  Site Condition : Suitable for 450C max, 50C min, 150 m Alt, 95% RH  Voltage : Motor shall be suitable for 415 +- 10% volts, 3 Phase, 50 cycles, AC supply and should withstand high voltage fluctuation.  Freq. : 50 Hz +- 3%  No of phases : Three  RPM : To match driven load  Duty : Continuous (S1)  Mounting : Horizontal, foot mounted  Bearing : Ball/Roller bearing at DE &amp; NDE  Type of Drive : Direct Coupled  Rotation : Bi-directional  Starting : DOL for motors up to 12.5 HP; YD for motor above 12.5 HP  Switching : 15 Starts /Hr.  Terminal Box : FLP Cable termination box with brought out terminals suitable for terminating PVCA copper cables of proper size as per rating of motor and cable entry holes (01 no. for DOL; 02 nos for YD starter). The brought out terminals shall be of brass and mounted on non-hygroscopic insulation (FRP or DMC) suitable for tropical climate.  Glands : Adequate nos (depending on type of starter) of FLP, weatherproof,</p>		

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	<p>heavy duty nickel plated brass glands shall be supplied with the motor. The FLP glands shall be suitable for installation in Zone 1 area and Group IIA and IIB type gas. The glands shall be certified by Govt. of India, Central Mining Research Institute, Dhanbad, India (CMRI).</p> <p>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>Lifting Eye: : One no. lifting hook shall be provided for lifting the motor.</p> <p>Markings : - Name plate details with name of manufacturer, frame size, rated voltage, rated out put, current, frequency, type of duty, class of insulation, no. of phases, speed in rpm at rated out put, degree of protection, winding connections, amb temp, bearing sizes, lubricant, lubrication material and year of manufacture</p> <p>- CMRI certification details - DGMS approval details - DGMS logo</p> <p>Paint : Two coats of DA grey paint</p> <p>Ref BIS : IS325, IS2148, IS5572, IS9570 with latest amendments</p> <p>Make : Bharat Bijlee/ Crompton Greaves/ KEC/ Siemens/NGEF.</p> <p>2.2 General Notes on motor:</p> <p>1. Motor shall be tested as per BIS and test certificates shall be furnished with the supply.</p> <p>2. The FLP motor and the FLP gland(s) must be suitable for installation in Zone 1 area and Group IIA and IIB type gas. These must be certified by Govt. of India, Central Mining Research Institute, Dhanbad, India (CMRI) and The FLP motor MUST BE approved by Govt. of India, Director General of Mines Safety (DGMS). Copies of CMRI certification for the motor as well as the glands and valid DGMS APPROVAL for the motor must be furnished with the offer. Without these documents the offer shall NOT be considered for evaluation.</p> <p>3. The motor(s) shall be guaranteed for 1 (one) year from the date of supply. Guarantee cards shall be duly signed and stamped by the supplier and shall be provided along with the supply.</p> <p>2.3 Documents:</p> <p>1. Bidder shall furnish every detail of the electrical items in their offer as per the above specifications IN THE SAME ORDER. All of the above shall form part of the order. Hence any deviations must be clearly mentioned which shall be securitized for acceptability. Specific type and make of components should be mentioned clearly. No deviation shall be allowed at the time of supply and in such case the order will be cancelled without any liability to OIL. In case of such cancellation oil may recover from the bidder the cost incurred by oil in processing the tender till the time of cancellation.</p> <p>2. All electrical items shall be procured from OEM or their authorized dealers only. In case of dealers copies of valid dealership certificates shall be furnished with the offer without which the offers shall not be considered for evaluation.</p> <p>3. The following documents shall be submitted with the offer # GA and dimensional drawing of all electrical equipment. # Technical details of the Motor. # Copies of CMRI certificates and valid DGMS approvals.</p> <p>4. Four bound sets of the following documents, shall be submitted with the supply # Approved GA and dimensional drawing of all equipment. # Technical details of the Motor.</p>		

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	<p># Copies of CMRI certificates and valid DGMS approvals for flameproof items.</p> <p># List of recommended spares for two years.</p> <p># All test certificates.</p> <p># Guarantee Certificates</p> <p>2.4 Transportation: During transportation all electrical equipment are to be suitably packed to avoid water ingress and transit damage.</p> <p>3.0 DRIVE ARRANGEMENT: SPEED REDUCTION GEAR BOX: The speed reduction from the Electric Motor at its rated rpm to the desired rpm of the pump shall be effected by means of a separate external foot mounted gear box installed between the prime mover and the pump. The gear box should be of reputed manufacturer ( SHANTHI / GREAVES ), a parallel shaft , helical gear unit. The unit design should preferably include a cast iron housing , helical gear elements, anti friction roller bearings on all shafts and a self-contained splash lubricating system.</p> <p>4.0 OPERATING SITE CONDITIONS : The pump set should be suitable for operation at the following conditions : Room temperature (Max.) : 41 degree C Room temperature (Min.) : 6 degree C Maximum relative humidity at 21 degree C : 100% Maximum relative humidity at 41 degree C : 70% Altitude above sea level : 150 m Average annual rainfall : 350 cm</p> <p>5.0 SKID : All items detailed in Para 1, 2,3 are to be coupled with love-joy coupling &amp; be mounted on a oil field type 2 runner skid. The size of the skid should be rigid to withstand vibration of the unit and large enough to provide sufficient working space around the pump set. The skid should be suitable for self loading purpose.</p> <p>6.0 CERTIFICATES &amp; DOCUMENTS TO BE FORWARDED: I. The following documents should be forwarded along with the quotations: i. Product line catalogue, specifying materials of construction and constructional features of the offered pump and technical literatures of all ancillary equipment. ii. Performance chart of the pump including all technical calculations such as horse power, volumetric efficiency, mechanical efficiency, RPM, NPSH requirement, etc. iii. Technical calculation for offering the electric motor with respect to the pump offered. iv. Complete technical details of pumps, electric motor, coupling etc. v. A schematic layout of the master skid showing the electric motor, pump and all other components of the pump set. vi. A declaration from the supplier that the spare parts will be available with them for any emergency purchase or regular consumption of spares for at least 10(Ten) years after placing the formal order. vii. For foundation design during installation of the complete pump-set, the following information are to be supplied:- a) Dynamic load</p>		

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	<p>b) Static load c) Unbalanced load</p> <p>II. The following documents shall have to be forwarded within a month of issue of LOI or placement of firm order Foundation diagram for the complete pump set indicating the static and dynamic loads of the package.</p> <p>III. The following documents must be forwarded along with the supply of equipment</p> <ul style="list-style-type: none"> <li>i. certified test results</li> <li>ii. certificate of hydrostatic testing</li> <li>iii. manufacturers certificate of authenticity</li> <li>iv. certificate of test / conformance of pump etc.</li> <li>v. operation and maintenance manuals , parts lists of pump, motor and all other accessory equipment.</li> </ul> <p>7. SPARE PARTS : Spares for 2(Two) years normal operation of the electric motor, pump and its accessories should be included in the offer. Bidder should indicate the manufacturers' Part Nos for each part of pump, electric motor and its accessories along with the suppliers' own Part No., if any. Bidders have to provide the price along with the part numbers of the spares that they envisage shall be required for maintenance of the pump set for 2(Two) years. The prices of these spares shall be considered during commercial evaluation of the offer</p> <p>8. TOOLS : 1 (One) Set Special tools for maintenance of each pump.</p> <p>9. INSPECTION &amp; TESTS : a) The plant and materials may be subjected to inspection during manufacture at the purchaser's discretion, but such inspection shall not relieve the supplier of his responsibility to ensure that the equipment supplied is free from all manufacturing and other defects and conform to correct specifications. The supplier will be notified in advance, if it is intended to inspect plant &amp; materials. b) Except where otherwise agreed the test called for in this specification shall be carried out in the presence of the purchaser or his representative appointed for the purpose and to his satisfaction. All appliances, apparatus, labor etc. necessary for the test shall be provided by the supplier at his cost. c) Pre dispatch inspection will be carried out by us at the works of the manufacturer. The complete unit mounted on the skid would be inspected by our engineer. The unit would be load tested at rated pressure and capacity at supplier's factory before dispatch. Accordingly supplier should inform us well in advance. All tests are to be performed as per ISO: 10000 quality products.</p> <p>10. MATERIAL TESTS, CERTIFICATES : The supplier shall submit for approval, particulars of all test pieces proposed to be taken from the castings or forging subjected to high pressure and also of highly stressed parts. The purchaser will state whether he intends to witness the tests on such pieces or is prepared to accept the supplier's test certificates. Hydraulic tests : Before being dispatched from the suppliers' works all castings/forging and valve shall be hydraulically tested to at least twice their</p>		

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	<p>normal working pressure for a period of 30 minutes and certificate thereof should be made available to the purchaser.</p> <p>11.0 PACKING, PAINTING AND PROTECTION : Packing shall be sufficiently robust to withstand rough handling during shipment and up country journey. All items shall have their respective identification letters or numbers painted on them and they shall be suitably packed to provide ease of handling and storage and maximum protection during transport and storage period. Crates and boxes shall have a list of items contained therein secured to the exterior by piece of an enveloping piece tin sheet nailed to the wood. A duplicate list shall also be included inside, with the contents, sling points shall be clearly indicated on the crates. Internal parts shall be sprayed with an inhibitor water splitting preservative and all openings shall be covered with masking tape to prevent ingress of water.</p> <p>12. COMMISSIONING : The pump sets shall have to be commissioned at site by competent personnel deputed by the bidder for the same. OIL shall provide necessary local transportation, within its operational area for the commissioning personnel to and from site.</p> <p>13.AFTER SALES SERVICE: The nature of after sales services, which can be provided by the supplier during initial commissioning as also in subsequent operation should be clearly stated. It should be confirmed that spares for the engine/pump and its accessories offered would be available for at least 10 years after delivery of the material.</p>		
	<b>INSTALLATION AND COMMISSIOING</b>		
10	<p><b>INSTALLATION &amp; COMMISSIOING</b> Installation and Commissioning of the PUMP shall be carried out by the bidder in the presence of OIL representatives at its fields at Duliajan, Assam (India). Services of qualified and competent personnel from equipment manufacturer are essential during installation. Persons engaged for installation and commissioning of electrical part should have valid electrical license issued by State Licensing Board. A person who is authorized for supervision of all electrical works should have valid supervisory license. Materials such as line pipes, fittings necessary for fabricating be supplied by bidder and bidder has to arrange welding and cutting facilities that may be required during installation and commissioning the PUMP .OIL will provide necessary statutory permits for welding and cutting jobs in classified areas as and when required.</p> <p>Installation / commissioning charges should be quoted separately which shall be considered for evaluation of the offers. These charges should include amongst others to and fro fares, boarding/ lodging and other expenses of the commissioning engineers during their stay at Duliajan, Assam (India). All Personal, Income and Service Tax etc. towards the services provided by the supplier shall be borne by the supplier and will be deducted at source. Bidders should also confirm about installation/ commissioning in the Technical Bid.</p>	2	AU

**Special Notes** : 1. The bidder must submit technical literature / catalogue of the offered product in duplicate along with the offer, failing which offer may be liable for rejection.

2. Materials must be guaranteed for fabrication, workmanship and performance for a period of 18 months from the date of despatch or 12 months from the date of commissioning whichever is earlier and relevant guarantee certificates have to be provided along with the bill / despatch documents.

3. BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC):  
 BID REJECTION CRITERIA (BRC) : TECHNICAL

The bids must conform to the specifications and terms and conditions given in the tender. Bids shall be rejected in case the item(s) offered do not conform to the required minimum/maximum parameters stipulated in the technical specifications and to the respective international / national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected :

a) The bidder should be an OEM of pump

b) The Bidder other than OEM must be an authorized dealer of OEM of pump. If the bidder is an authorized dealer of pump, necessary documentary certificates from the OEM must be submitted along with the offer. The purchase documents from the OEM must be submitted along with the supply of pump sets. The bidder must furnish the following undertaking from the OEM:-

"Date of manufacture, make, model, test certificate, literatures and part books of the pump will be supplied if order is placed on us."

c) The bidder must purchase the Electric motor from the OEM or authorized dealer of Electric motor. Necessary documentary certificates from the OEM or authorized dealer of Electric motor must be submitted along with the offer. The purchase documents from the OEM or the authorized dealer must be submitted along with the supply of pump sets. The bidder must furnish the following undertaking from the OEM or authorized dealer -

"Date of manufacture, make, model, test certificate, literatures and part books of the Electric motor will be supplied if order is placed on us."

d) Bidder or their principal should successfully completing 3 (three) orders in the last 10 (ten) years before the bid closing date of this enquiry against supply, installation, commissioning and testing of similar capacity Screw Pump in PSUs or public limited company. Documentary evidence must be provided along with the quotation stating the following information

i) Capacity of each supplied pump set

ii) The name of clients to whom these pump sets are supplied and with certificates that these are running satisfactorily at the time of submission of the offer.

Otherwise, the offer will be rejected.

e) The bidder must have after sales service facility and must submit bases of service center with list of service personals to attend the equipment in case of breakdown, provision of supply of spares etc.

f) The bidder must undertake the equipment to be supplied are not obsolete for next 10 years and provision for supplying spares of the equipment to be continued.

The bidder who are not submitting the above information will be rejected and no further correspondence will be made.

4. PERFORMANCE GUARANTEE:

In the event of order 10% of the ordered value shall be given as performance guarantee in the form of bank guarantee for a period of 12 months after commissioning or 18 months from the date of dispatch. The bank guarantee will be released after successful completion of warranty period.

DATA SHEET:

A. DATA SHEET (PUMP)

MAKE  
MODEL  
PUMP TYPE  
SERVICE  
LIQUID HANDLED  
OFFERED RATED SPEED  
OFFERED RATED PRESSURE  
DISCHARGE VOLUME@OFFERED SPEED (Vol Effi = 93%)  
APPROX HP REQUIREMENT AS PER NIT PARAMETERS  
NPSH REQUIRED  
PUMPING TEMPERATURE  
LUBRICATION  
COUPLING TYPE  
MATERIAL OF CONSTRUCTION  
PUMP BODY, CASING  
ROTOR  
STATOR  
SHAFT  
SHAFT SEALING  
B. DATA SHEET ( MOTOR )

MAKE  
MODEL  
TYPE  
RATED SPEED  
REFERENCE OF STANDARDS  
MOTOR RATING (KW)  
NUMBER OF PHASES  
TYPE OF ENCLOSURE  
POWER INPUT TO PUMP AT DUTY POINT (KW)  
METHOD OF STARTING  
BEARING TYPE AT POWER END  
BEARING TYPE AT NON-DRIVE END  
METHOD OF COOLING  
DUTY  
TYPE OF CONSTRUCTION  
CLASS OF INSULATION  
UNIDIRECTIONAL OR BIDIRECTIONAL ROTATION  
SYSTEM OF EARTHING

TECHNICAL CHECK LIST :

1. Whether quoted as OEM of Pump and whether documentary evidences submitted ? YES/NO
2. Whether quoted as authorised dealer of Pump and whether documentary evidences submitted ? YES/NO
3. Whether quoted as OEM recommended assembler of Pump sets and whether documentary evidences submitted ? YES/NO
4. Whether the offered Pump is Positive Displacement Screw Pump ? YES/NO
5. Whether the Pump is designed for continuous service duty ? YES/NO
6. Whether the offered Motor conforms to IS Standard with latest amendment as per specifications ? YES/NO
7. Whether the power for normal working condition is as per NIT ? YES/NO
8. Whether the motor meets NIT criteria ? YES/NO
9. Whether the pump is having Capacity & Pressure as per NIT ? YES/NO
10. Whether the pump meets materials of construction as per NIT ? YES/NO
11. Whether the floor of the two runner skid shall be covered by checkered plates ? YES/NO
12. Whether the skid is rigid enough to withstand vibration of the unit and suitable for self loading purpose ? YES/NO
13. Whether dry run protection device shall be provided as per NIT ? YES/NO
14. Whether the two years spares for the packages indicated have been quoted ? YES/NO
15. Whether special tools and commissioning spares have been included in the scope of supply ? YES/NO
16. Whether spares shall be available for 10 years after supply of equipment? YES/NO
17. Whether separately highlighted any deviation from the technical specifications ? YES/NO
18. Whether the Pre-dispatch inspection of the Pump packages shall include Full Load Performance test of the Pump Sets ? YES/NO

Order Ref -----

Dated-----

OIL#s Tender No.-----

Signed-----

For & behalf of -----

Designation-----