

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

OIL INDIA LIMITED invites indigenous competitive bid through its e-procurement portal – <https://etender.srm.oilindia.in/sap/bc/gui/sap/its/bbpstart/>, for the following e-Tenders :-

Srl. No.	E-tender No. (BID CLOSING DATE)	Material Description	Single Order Value in (₹ Lakhs)	Annual Turn Over (₹ Lakhs)
1.	SKI4558P12 Dt. 24.02.2012.	Positive Displacement Screw Pump	21.00	42.00

2.0 Application showing full address / e-mail address with Tender fee (non-refundable) of ₹ **1000.00** per tender (excepting PSU and SSI units registered with NSIC) by Demand Draft in favour of M/s. Oil India Limited payable at Kolkata and to be sent to **Head-Calcutta Branch**, Oil India Limited, 4, India Exchange Place, Kolkata – 700 001 only between **10.01.2012** and one week prior to the bid closing date. The envelope containing the application for participation should clearly indicate **“Request for participation”** for easy identification and timely issue of authorisation. On receipt of requisite tender fee and subject to fulfillment of eligibility criteria, USER_ID and initial PASSWORD will be communicated to the bidder (through-e-mail) and will be allowed to participate in the tender through OIL’s e-Procurement portal. No physical tender documents will be provided. **USER_ID AND INITIAL PASSWORD WILL BE ISSUED TILL ONE WEEK PRIOR TO THE BID CLOSING DATE.**

3.0 To be eligible for issue of **USER-ID** and **Password**, 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 item 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 for further details on the above tenders and details of NIT can be viewed using “Guest Login” provided in the e-procurement portal.



OIL INDIA LIMITED
(A Government of India Enterprises)
4, India Exchange Place
Kolkata -1

TELEPHONE NO. (033) 222301657

FAX NO: (033) 22302596

Email: oilcalmn@dataone.in;oilcalmn@oilindia.in

TENDER NO. SKI4558P12

DATE: 05.01.2012

INVITATION TO E-BID UNDER COMPOSITE BID SYSTEM

Dear Sirs,

OIL invites Bids for the supply of ELECTRIC MOTOR DRIVEN POSITIVE DISPLACEMENT SCREW PUMP through its E-Procurement site. The bidding documents and other terms and conditions are available at Booklet No. MM/CALCUTTA/E-01/2010. The prescribed Bid Forms for submission of bids are available in the tender document folder.

The general details of tender can be viewed at 'Basic data' under 'Header data' in Bid invitation screen. The details of items tendered can be found by clicking to 'Item data'.

The tender is invited with firm price for the specified quantity. Further details of tender are given below:-

1. Details of Items with Quantity and Unit of measure are as under:

Item No.	Description	Tendered Qty. in Nos.	Unit of Measure
01	ELECTRIC MOTOR DRIVEN POSITIVE DISPLACEMENT SCREW PUMP <u>ANNEXURE II</u>	<u>ANNEXURE II</u>	NO.

To be eligible for issue of **USER-ID** and **Password**, 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 Rs.21 Lakhs for supply of similar item 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 Rs.42 Lakhs.

The tender will be governed by:

- a) "General Terms & Conditions" for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).
- b) Technical specifications and Qty. as per **ANNEXURE II** .
- c) The prescribed Bid Forms for submission of bids are available in the tender document folder. **CHECKLIST and RESPONSE SHEET** available in the tender document folder must be filled-up and submitted along with the technical bid.
- d) In the event of receipt of only a single offer against the tender within B.C. date, OIL reserves the right to extend the B.C. date as deemed fit by the Company. During the extended period, the bidders who have already submitted the bids on or before the original B.C. date, shall not be permitted to revise their quotation.
- e) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).

Notes:

1. All items should be brand new, unused and of prime quality. Bidder to confirm the same while quoting.
2. Bidder should indicate the name of manufacturer and country of origin.
3. Bidder to indicate the dimensions including the weight of each item.

Special Note:

1. Application showing full address / e-mail address with Tender fee (non-refundable) of **₹ 1000.00** per tender (excepting PSU and SSI units registered with NSIC) by Demand Draft in favour of M/s. Oil India Limited payable at Kolkata and to be sent to **Head-Calcutta Branch**, Oil India Limited, 4, India Exchange Place, Kolkata – 700 001 only **till one week prior**

to the bid closing date. The envelope containing the application for participation should clearly indicate **“Request for participation”** for easy identification and timely issue of authorisation. On receipt of requisite tender fee and subject to fulfillment of eligibility criteria, USER_ID and initial PASSWORD will be communicated to the bidder (through-e-mail) and will be allowed to participate in the tender through OIL’s e-Procurement portal. No physical tender documents will be provided.

2. Please note that all the tender forms and supporting documents are to be submitted through OIL’s E-procurement site only except the following documents are to be submitted manually in a seal envelop super scribed with Tender no. and Bid Closing Date to **Head-Calcutta Branch**, Oil India Limited, 4, India Exchange Place, Kolkata – 700 001 only on or before bid closing date and time mentioned in the tender.
 - a) Original Bid Security
 - b) PSU and SSI units registered with NSIC claiming exemption from submission of Bid Security should submit all credential.
3. Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the bid or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in the rejection of its offer without seeking any clarifications.

NB: All the Bids must be Digitally Signed using “Class 3” digital certificate with Organisations Name (*e-commerce application*) as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India.

Yours Faithfully
Sd-
D.Bhattacharjee
Chief Manager- Materials



OIL INDIA LIMITED
(A Government of India Enterprise)
4, India Exchange Place, 4th floor,
Kolkata 700001,
West Bengal (India)

TELEPHONE NO. (033) 2230 1657 / 58 / 59

FAX NO: (91-033) 2230 2596

Email : oilcalmn@oilindia.in

oilcalmn@dataone.in

ANNEXURE-II

Tender No& Date : SKI4558P12 DATED 05.01.2012

Tender Fee : 1000.00 INR

Bid Security Amount : ₹ 84000 INR

Bidding Type : Single Bid (Composite Bid)

Bid Closing on : As mentioned in the Basic Data of e-portal

Bid Opening on : As mentioned in the Basic Data of e-portal

Performance Guarantee : Applicable

OIL INDIA LIMITED invites Indigenous tenders for items detailed below:

TECHNICAL SPECIFICATIONS WITH QUANTITY

SLNO & MATERIAL CODE NO.	MATERIAL DESCRIPTION.	QUANTITY	UNIT
10 ----- 0C000451	ELECTRIC MOTOR DRIVEN POSITIVE DISPLACEMENT SCREW PUMP FOR FORMATION WATER DISPOSAL AT CENTRAL TANK FARM, DULIAJAN WITH 40 KL/HR & 25KG/SQ CM CAPACITY - 2(TWO) NOS.	02	No.

20	<p><u>INSTALLATION & COMMISSIONING & Dismantling of old sets</u></p> <p>Installation and Commissioning of the Pump set 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 and commissioning of the pump sets. Only competent service personnel shall be engaged for installation, testing and commissioning of pump sets. OIL will provide necessary statutory permits 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 included 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> <p>Note : Once commissioned at designated site the pump set will be subjected to a trial run on available load for a minimum period of 72 hrs and on satisfactory performance shall be subsequently handed over to OIL.</p> <p>11.0 AFTER SALES SERVICE: The nature of after sales services, which can be provided by the supplier</p>	1	AU

	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.		
--	--	--	--

Details Specification:-

ELECTRIC MOTOR DRIVEN POSITIVE DISPLACEMENT SCREW PUMP FOR FORMATION WATER DISPOSAL AT CENTRAL TANK FARM, DULIAJAN WITH 40 KL/HR & 25KG/SQ CM CAPACITY - 2(TWO) NOS.

FLP ELECTRIC MOTOR DRIVEN POSITIVE DISPLACEMENT SCREW PUMP FOR FORMATION WATER DISPOSAL AT CENTRAL TANK FARM, DULIAJAN

1.0 PUMP:

1.1 Type : Positive Displacement Screw Pump as per API STD 676
(progressive cavity pump.)

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 .

1.3 Capacity: MINIMUM 40 KILO LITRE PER HOUR + 5%

1.4 Working Pressure: 25 kg/Sq.cm

1.5 Recommended Power (KW) : Max 50 KW (60 HP)

1.6 Mechanical Efficiency : Minimum 60.00 %

1.7 Volumetric Efficiency : 75 to 80 %

1.8 Suction Condition: Negative Suction (2 MWC)

1.9 Pumping Temperature: 70 to 100 Deg C

1.10 NPSH(R)(Mts.): 3.00 MWC

1.11 Liquid to be handled: Formation Water

1.12 Construction Features:

Pump Casing - SS Duplex

Bearing Housing : Cast Iron IS 210 FG 220

Stator- Hi Nitrile Black

Rotor- SS Duplex

Shaft - SS Duplex

Universal Joint : #Cardan Type# Universal Joint

Stator Entry - Tapered entry

Stuffing Box- Externally mounted

1.13 Suction Size : 200 mm

1.14 Delivery Size : 150 mm

1.15 Type of Drive : Direct drive through Gear Box & FLP Electric Motor.

1.16 The pump should be suitable for running in both the direction for flushing the pump .

1.17 Provision and supply of limit switch device at the suction side & a pressure switch at the discharge side of the pump to prevent the pump from dry running.

1.18 RELIEF VALVE: A suitable full flow type pressure relief valve shall be mounted on discharge line of the pump suitable for a working pressure of 25.0 Kg/cm² and a set pressure of 30.0 Kg/cm² with reputed make of relief valve.

1.19 Liquid to be handled :

The pumping unit should be suitable for pumping Formation Water. Recent Test report of a typical sample is provided to assist the selection process :

a) Oil Content : 100 to 5,000 mg/L

b) Suspended Solids : 10 to 100 Mg/L

c) Salinity : 3000 to 4500 mg/L

d) pH : 7.5 to 9.0

e) Oil Drop let size : Min 1.5 , Max 100 and Mean 30-40 μ m

f) Suspended solids particle size : Min 1.7 Max 20 and Mean 8-12 μ m

g) The oil content of 100 to 5000 mg/L is mostly in suspended form and a part will be finely dispersed emulsion form .

h) The characteristics of the oil is API 22-28 , pour point 27-33 Deg C , Saturates 20-40 % , Aromatics 20-60 % and Resin + Asphaltene

i) Relative Humidity of site # At 21 Deg C : 100 %

At 35 Deg C : 95 %

At 40 Deg C : 70 %

2.0 PRIME MOVER:

Three phase Induction Motor shall be used as prime mover for the pump. Motor shall have the following specifications.

Type: The motor shall be 3- phase, FLAMEPROOF type, squirrel cage rotor Induction Motor, suitable for installation in Zone-1, Zone-2 Hazardous Area, Gas Group IIA and IIB, of Oil Mine. The motor shall be certified by Central Mining Research Institute (CMRI), Dhanbad, India and approved by Director General of Mines Safety (DGMS), Dhanbad, India for FLP construction and use in above area.

Rated output: The motor rating shall be minimum 10% higher than the respective absorbed power required for full rated capacity load handling.

Enclosure: TEFC, FLP with Degree of protection - IP55. CI/ MS enclosure painted with Epoxy based DA Grey Paint.

Insulation: Vacuum pressure impregnated. Class F with temperature rise limited to that of class B

Standards: IS-2148, 325, 4691

Voltage: Motor shall be suitable for $415 \pm 6\%$ volts, 3 Phase, 50HZ, AC supply and should withstand high voltage fluctuation.

Freq.: 50 Hz $\pm 3\%$

RPM: To match driven equipment

Duty: Continuous (S1)

Mounting: As per equipment design.

Shaft support: Rolling element Bearings at DE and NDE

Cooling: Bidirectional cooling fan at NDE

Starting: DOL for motors up to 12.5 HP; Y/D for motor above 12.5 HP

Switching: 15 Cold Starts /Hr.

Ambient: Max. 40°C, Min 6°C, 95% RH, Altitude-150 Mtr

Terminal Box: FLP Cable termination box with brought out terminals suitable for terminating PVCA aluminium cables of proper size as per rating of motor. Terminal shall be of brass with non-hygroscopic insulation support (FRP or DMC) suitable for tropical climate. Suitable termination arrangement shall also be provided in case the heater is installed. Cable box shall have two nos. of cable entries in case of motor above 10 hp and one no. cable entry in case of motor upto 10 hp. Cable entry thread ET type.

Glands: FLP double compression, Nickel plated brass glands, approved by CMRI as per cable size shall be fitted in all the cable entries in terminal box of the motor.

Make of Gland: Baliga, GMI, Dowells.

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.

Lifting Eye: Lifting hook(s) shall be provided for lifting the motor.

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, CMRI certification no, DGMS approval No, Gas Group

Certificates: Test certificate of Motor for routine tests done at manufacturer's works shall be submitted with the supply.

Guarantee: Motor shall be guaranteed for one year. Guarantee certificate shall be submitted with the supply.

Make: Bharat Bijlee/ Crompton Greaves/ KEC/ Siemens/NGEF.

Preferred ratings in HP:

0.5, 1.0, 1.5, 2.0, 3.0, 5.0, 7.5, 10.0, 12.5, 15, 20, 25, 30, 40, 50, 60, 75, 100, 125, 150, 175, 200

General Notes on motor:

1. DGMS approval no. & mark should be fixed on the motor body as per guidelines mentioned in the DGMS approval.

2. The FLP motor and the FLP gland(s) must be suitable for installation in Hazardous Area Zone 1 area, Gas Group IIA and IIB, of Oil Mine. These must be certified by Central Mining Research Institute (CMRI), Dhanbad, India and approved by Director General of Mines Safety (DGMS) Dhanbad, India for FLP construction and use in above area. Copies of CMRI certification and DGMS approval for the motor as well as the glands must be furnished with the offer.
3. Frame size & make of the offered motor should be mentioned in the offer.
4. Copy of the drawing of the offered FLP Motor enclosure showing terminal box & cable entry arrangement with double compression FLP cable gland should be submitted with the offer for scrutiny.
5. All unused cable entries holes must be plugged with CMRI certified FLP sealing plugs made of cast iron.
6. Packing should be suitable for transit damage & protection against tropical rains.
7. Bidder must 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.

2.2 General Notes on motor:

1. Motor shall be tested as per BIS and test certificates shall be furnished with the supply.
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.
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.

2.3 Documents:

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.
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.
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.

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.

Copies of CMRI certificates and valid DGMS approvals for flameproof items.

List of recommended spares for two years.

All test certificates.

Guarantee Certificates

2.4 Transportation:

During transportation all electrical equipment are to be suitably packed to avoid water ingress and transit damage.

3.0 DRIVE ARRANGEMENT:

Drive from Motor to pump shall be provided thru a suitable Gear Box of REPUTED MAKE, parallel shaft speed reducer with a gear rated to designed HP from the electric motor at about 1500 rated RPM to the pump at desired RPM, with a suitable Gear ratio.

The Pump is to be unitized with the Motor and drive arrangement on structural steel 3 runner Oilfield Skid suitable for loading on self loading trucks. The package shall be complete with Motor adjusting base, lifting eyes, tool box etc. Interconnection piping spools on suction and discharge should be provided with appropriate bolting gaskets and pipe components (valves, brackets, etc) mounted on the skid and terminated at skid edge.

The drive arrangement will involve the following mechanisms:

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 Motor and the pump.

Flow of Electric Motor power through the input shaft of an external foot mounted gearbox and finally to the input shaft of the pump. Suitably selected coupling should be incorporated to transfer power from the Electric Motor to the pump through the transmission Gear Box.

NOTE:

The gear box should be of reputed manufacturer (SANTHI / GREAVES), a parallel shaft and 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.

All rotating parts should be covered by suitable guards. Guards should be provided over couplings used as part of the transmission train. Provision of guards over couplings has become mandatory as per recommendations of OISD & DGMS bodies.

4.0 MASTER SKID:

The pump set is to be supplied with all components and accessories fitted and mounted on an oilfield type three runner portable master skid and should be ready

for operation after carrying out initial servicing and making provision fuel supply. 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.

While unitizing the pump set, easy approach to various components for maintenance aspects should be kept in mind. The floor of the skid should be covered with anti skid checkered steel plates. The skid should be fabricated out of properly sized beams (minimum 200 mm) to withstand loading / unloading and transfer in oil field trucks.

5.0 CERTIFICATES & 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 informations are to be supplied:-
 - a) Dynamic load
 - b) Static load
 - c) Unbalanced load

II. The following documents shall have to be forwarded within a month of issue of LOI or placement of firm order

A foundation diagram for the complete pump set indicating the static and dynamic loads of the package.

A layout drawing for the complete pump set indicating the orientation of all components to be assembled on the master skid.

III. The following documents must be forwarded along with the supply of equipment

- i. certified test results
- ii. certificate of hydrostatic testing
- iii. manufacturers certificate of authenticity
- iv. certificate of test / conformance of pump etc.

v. operation and maintenance manuals , parts lists of pump, motor and all other accessory equipment.

6.0 A) 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 supplier's 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 including a set of each type and size of coupling installed in the pump set.

The prices of these spares shall be considered during commercial evaluation of the offer

B) SPECIAL TOOLS:

a. One set of special tools for maintenance of each pump should be included in the scope of supply, as commissioning spares. The prices of these tool sets shall be considered during commercial evaluation of the offer.

7.0 INSPECTION & 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 & 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.

8.0 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 normal

working pressure for a period of 30 minutes and certificate thereof should be made available to the purchaser.

9.0 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.

10.0 INSTALLATION & COMMISSIONING :

Installation and Commissioning of the Pump set 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 and commissioning of the pump sets. Only competent service personnel shall be engaged for installation, testing and commissioning of pump sets. OIL will provide necessary statutory permits in classified areas as and when required.

Installation / commissioning charges should be quoted separately which shall be considered for evaluation of the offers. These charges should included 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.

Note : Once commissioned at designated site the pump set will be subjected to a trial run on available load for a minimum period of 72 hrs and on satisfactory performance shall be subsequently handed over to OIL.

11.0 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.

12.0 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 1 (One) order in the last 5 (Five) years before the bid closing date of this enquiry against supply, installation, commissioning and testing of similar capacity Pump in PSUs, Central Govt. Undertakings, Public Limited Companies in the Oil & Gas sector . Copies of purchase orders from the clients indicating the supply of such equipment are to be forwarded with the offer. 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.

BID EVALUATION CRITERIA (BEC):

The bids conforming to the specification, terms and conditions stipulated in the enquiry and considered to be responsive after subjecting to Bid Rejection criteria will be considered for further evaluation as per the bid evaluation criteria given below:

(A) Technical:

1.0 All materials as indicated in the material description of the NIT should be offered. If any of the items are not offered by the bidders, the offer will not be considered for evaluation.

B:COMMERCIAL

- i). **Bid security of ₹ 84000.00** shall be submitted manually in sealed envelope superscribed with BID SECURITY AGAINST Tender no. **SKI4558P12** and Bid Closing date to **Head Calcutta Branch, Oil India Limited,4 , India Exchange Place , Kolkata-700001** only on or before the Bid Closing Date and Time mentioned in the Tender. **If bid security in ORIGINAL of above mentioned amount is not received within bid closing date , the bid submitted through electronic form will be rejected without any further consideration.** For exemption for submission of Bid Security, please refer relevant para of General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. **The Bid Security shall be valid for six month from the date of bid opening.**
- i). The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.
- ii). Successful bidder will be required to furnish a **Performance Bank Guarantee @10%** of the order value. For exemption for submission of

Performance Bank Guarantee, please refer relevant para of General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. The Performance Bank Guarantee must be valid for one year from the date of successful commissioning of the equipment or 18 months from the date of despatch whichever is earlier. **Bidder must confirm the same in their bid. Offers not complying with this clause will be rejected.**

- iii). *The Bank Guarantee should be allowed to be encashed at all branches within India.*
- iv). Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.
- v). Validity of the bid shall be minimum 120 days from the Bid Closing Date. Bids with lesser validity will be rejected.
- vi). Bids containing incorrect statement will be rejected.
- vii). All the Bids must be Digitally Signed using “Class 3” digital certificate (*e-commerce application*) as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3” digital certificate, will be rejected.

14.0 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 = 75%)

APPROX HP REQUIREMENT AS PER NIT PARAMETERS

NPSH REQUIRED

PUMPING TEMPERATURE

LUBRICATION

TYPE OF DRIVE ARRANGEMENT

COUPLING TYPE , IF APPLICABLE

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

15.0 TECHNICAL CHECK LIST:

1. Whether quoted as OEM of Pump and whether documentary evidences submitted? YES/NO
2. Whether quoted as authorized 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 as per NIT? 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 three 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 the two years spares for the packages indicated have been quoted? YES/NO

14. Whether special tools and commissioning spares have been included in the scope of supply? YES/NO

15. Whether spares shall be available for 10 years after supply of equipment? YES/NO

16. Whether separately highlighted any deviation from the technical specifications? YES/NO

17. 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-----

Note :- **PAYMENT TERMS:-**

Payment 70% of the order value will be paid against submission of bills/ despatch documents and balance 30% payment on successful installation and commissioning of the material at OIL's site.

Standard Notes:

A. The original bid security (Amount is mentioned above and also in Basic Data of the tender in OIL's e-portal) should reach us before bid closing date and time .Bid without original Bid Security will be rejected. The bidders who are exempted from submitting the Bid Bond should attach documentary evidence in the Collaboration folder as per General Terms and conditions for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).

B. All the Bids must be Digitally Signed using "Class 3" digital certificate (*e-commerce application*) only as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than "Class 3" digital certificate, will be liable for rejection.

C. “General Terms & Conditions” for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).

D. Offers should be valid for minimum 120 days from the date of Bid closing Date, failing which offer shall be rejected.

-----XXXX-----