



Tender No. & Date : **SDG1168P20/07 dated 18.04.2019**

Bid Security Amount : **INR 33,28,400.00 OR USD 46,500.00**

Bidding Type : **SINGLE STAGE TWO BID SYSTEM**

Bid Closing on : **12.06.2019 (at 11.00 Hrs. IST)**

Bid Opening on : **12.06.2019 (at14.00 Hrs. IST)**

Bid Validity : **Bid should be valid for 120 days from bid Closing date**

Bid Bond Validity : **Bid Bond should be valid up to 12.01.2020**

Performance Guarantee : **Applicable @ 10% of Order value**

Integrity Pact : **Applicable**

OIL INDIA LIMITED invites Global Tenders for the following item:

ITEM NO.	ITEM DESCRIPTION	QUANTITY
<u>10</u>	MUD PUMP (RATING:7500PSI)WITH MOTOR FOR DRILLING RIG	2 NUMBERS
<u>20</u>	INSTALLATION & COMMISSIONING OF ITEM NO. 10 (TOTAL 2 NOS OF MUD PUMP)	1 ACTIVITY UNIT

**FOR DETAILS PLEASE REFER THE FOLLOWING ANNEXURES:**

List of Annexure Applicable : **Annexure-I: Specifications, General & Special notes to bidders**

**Annexure-II: Bid evaluation & Rejection Criteria**

**Annexure-III: Check List (Commercial & Technical)**

**Annexure-IV: Certificate of Annual Turnover & Net Worth**

**Annexure-V: Technical Evaluation Matrix (Technical Specs.)**

**Annexure-VI: Technical Evaluation Matrix (BEC)**

**Format-A : Format of undertaking by Bidders towards submission of authentic Information /document**

**AA:: MATERIAL DESCRIPTION, TECHNICAL SPECIFICATIONS & QUANTITY:**

ITEM NO.	ITEM DESCRIPTION	QUANTITY
<u>10</u>	MUD PUMP (RATING:7500PSI)WITH MOTOR FOR DRILLING RIG	2 NUMBERS
<u>20</u>	INSTALLATION & COMMISSIONING OF ITEM NO. 10 (TOTAL 2 NOS OF MUD PUMP)	1 ACTIVITY UNIT

**DETAILED REQUIREMENT & TECHNICAL SPECIFICATIONS:**

**1600 HP Triplex Single Acting, Horizontal Piston slush Pump package unitised with suitable Electric D.C.Motors, dual rear mounted, banded V-belt drive ,with other necessary accessories, skidded and master skidded.(Pump skid should be securely fastened on an oilfield type master skid)**

**1.0 SLUSH PUMP**

**A) Type Of Pump:**

Slush Pump, Triplex Single Acting, Horizontal Piston Pump with individual 2(two) piece "L" shaped(separate) interchangeable forged alloy steel Modules and replaceable cylinder Liners of various sizes in steps of 1/2"(15mm) from 7-1/2" to 4-1/2" diameter to obtain desired discharge and pressure at rated SPM, having double relieved herringbone crankshaft and a pinion shaft gear. The pump must be driven by dual end mounted electric D.C.Motor with banded V-belt drive, complete with standard accessories mounted on an oil-field type minimum 3(three) runner skid, skidded on a master skid for on shore Drilling Rig. (The pump skid should be securely fastened on oil field type master skid)

**B) Capacity of The Pump:**

i) Input Horse Power - 1600 (Min) at rated SPM.

ii) Discharge at rated SPM with replaceable liners and pistons - Min. 2700 litres/min(600 Imp GPM) at 210 kg/cm<sup>2</sup> (3000PSI) and min. 1124 liters/min. (297 Imp.GPM) at 527.2 kg/cm<sup>2</sup> (7500 PSI).

Note: Liners to be fitted on the pump at the time of supply should be such to obtain minimum 2700 litres/min (600 Imp. GPM) discharge at 210 kg/cm<sup>2</sup> (3000PSI) pressure.

**C) Various Features Of The Pump:**

i) Fully enclosed fabricated steel plate (ASTM A-36 or equivalent) power end.

ii) Double relieved forged alloy steel Herringbone (double helix) type main gear.

iii) One piece Forged steel double extended pinion shaft with double helix gear.

iv) One piece forged steel crankshaft, with press fitted and keyed crank shaft lobes.

Note: Bearings of the pump must be of make Torrington / SKF / FAG / NTN/ARB (American Roller Bearing). Bidders are required to confirm the same in the bid.)

- v) Provision for manual rotation of the crankshaft externally for maintenance purpose.
- vi) Individual separate, forged alloy steel (AISI 8630 / 4130 /equivalent), autofrettage, and completely interchangeable fluid end modules having separate valve pots (API MOD.7) in each module (for both suction & discharge).
- vii) Fast change type screwed valve covers.
- viii) Two-piece design fast change piston rods with clamp.
- ix) Three inlet suction manifold Suction manifold with suction stabilizer or suction dampener assembly and Discharge manifold with discharge pulsation dampener.
- x) Piston-Liner Cooling / lubrication spray system that includes A.C. 3PH, 50 Hz. Flame proof (Ex-d type) with IP55 protection & insulation type B electric motor suitable for use in hazardous area classification zone-I, gas group IIA & IIB; suitable pump for liner spray; lubricant reservoir with suitable piping connection.
- xi) Pump fitted with liners (API 7) held rigidly in place with a two-bolt retention clamp, premium pistons, valve seats (API 7), centre guided valve with polyurethane insert.
- xii) Crankcase Lubrication system should be splash type or forced lubrication.
- xiii) Suction connection should be 10" (250mm), ASA-150
- xiv) Discharge modules should be interconnected so as to make a smooth discharge flow through strainer cross; 5" API 7500psi, R.J.Flanged on one end and provide valve & bleed line connection on the other end.
- xv) Pump sheaves should be compatible for Gates 8-8VP-3150 power belt.
- xvi) The pump should be complete with all the components of fluid end and power end, mounted on a sufficiently strong skid (base skid)skidded on a another oil field type skid(mother skid)having standard design for self loading at both ends and base skid should be strongly anchored with the main pump skid (mother skid). The total length of skid should not be more than 7600mm. There should be proper lifting arrangement on the pump also.
- xvii) Detailed technical drawing of the base skid and mother skid are to be submitted along with the offer for our approval. Detailed GA drawing of the pump set along with dual rear mounted motors, pump drive and their accessories are to be submitted along with the offer.
- xviii) The dimensions of the complete pump with mother skid should be within 7600 mm long x 2900 mm wide x 2500 mm height and the total package weight must not exceed 37,600kg. Justification is required if the above limiting dimensions cannot be met.
- xix) One complete valve seat puller assembly suitable for above mentioned valve seat and one set of special hand tools for fluid end maintenance (i.e valve pot tool, wrench for valve cover, for studs on the hydraulic cylinders ,strainer cross & discharge pulsation dampener etc) must be included with pump set to be supplied.
- xx) One no tool for manual rotation of the pump for maintenance. Refer C (V)
- xxi) 2 No additional belt for pump set to be supplied along with the pump. The belt make and size should be same as offered with the pump.

xxii) Suitable analogue type belt tension meter & belt alignment meter with complete operation & maintenance manual, 1no.each per pump to be supplied along with the pumps.

xxiii) Suitable Stroke Counter Meter should be provided in each pump.

#### D) Accessories

The Slush Pump package should be assembled with the following accessories:

i) A high pressure discharge strainer cross assembly complete with the following features:-

a) Suitable Strainer, 5" (125mm).

b) 1 no of 5" (125mm) API 7500psi RJ end connection with weld neck flange (4.063"/104mm bore) for discharge line, 1no.of 7500 PSI (527.3 kg/cm<sup>2</sup>) WP forged steel elbow must be supplied welded, one end with the weld-neck flange & the other end with 1no. 4" (100mm) NB X 8" (200mm) long screwed APILP nipple.

c) 1 no of 4" (100mm), API 7500 psi RJ flanged connection at the top with studs & nuts for pulsation dampener.

d) 1 no of 5" (125mm), API 7500 psi RJ end connection with blind flange for strainer clean out.

e) 1 no of 5" (125mm), API 7500 psi RJ end connection with flange having 2" (50mm) APILP screwed connection for pressure gauge.

ii) A discharge pulsation dampener assembly (Make: Hydril, or equivalent with interchange ability of spare parts with Hydril makes ) with the following features: -

a) Maximum service pressure: 527.3kg/cm<sup>2</sup> (7500PSI).

b) Surge capacity: 75 litres (20 gallons)

c) Bottom connection: 4" (100mm), API 7500# RTJ flanged.

d) Diaphragm: Hydrogenated Nitrile.

iii) Charging hose assy. with pressure gauge for Nitrogen gas charging to pulsation dampener.

iv) Pressure gauge of Make: Oteco, Model: 7, Type-D having following features:

a) Pressure range: 0-703.07 kg/cm<sup>2</sup> (0-10,000PSI)

b) Connection: screwed female 2" (50 mm) APILP threaded

v) Manual Reset Relief Valve of Make: Oteco, Type-B or Retsco having following features: -

a) Pressure range: 105-527.3 kg/cm<sup>2</sup> (1500-7500PSI)

b) Connection: screwed female 3" (80 mm) APILP threaded body.

vi) Bleed line accessories should be included with the following items:

a) 5" (125mm), API 7500# RJ flange with 3" (80 mm) APILP screwed connection. 2 Nos. of which 1 No. is directed to the mud tanks and the other directed towards the power end for bleeding other fluids.

b) Flex seal type 3" (80 mm), 527.3kg/cm<sup>2</sup> (7500PSI) flanged mud Gate valve (Make:Oteco or Demco) QTY :-2Nos.

- c) Flex seal type 2" (50 mm), 527.3kg/cm<sup>2</sup> (7500PSI) flanged mud gate valve (Make:Oteco or Demco)QTY :- 2No.
  - d) Nipple, 3" (80 mm) NB x 6" (150 mm) long, 527.3kg/cm<sup>2</sup> (7500PSI) screwed APILP thread both ends QTY :-7 No.
  - e) Equal Tee, FCS, 3" (80 mm) NB, 527.3kg/cm<sup>2</sup> (7500PSI),and screwed female APILP thread. QTY :-3 No.
  - f) Reducer, FCS, 3" (80 mm) NB x 2" (50 mm) NB x 6" (150 mm) long,527.3kg/cm<sup>2</sup> (7500PSI),screwed male APILP thread. QTY: 2 No
  - g) 3" (80 mm), API 7500# RTJ screwed APILP flange. QTY:-2 Nos.
  - h) 2" (50 mm), API 7500# RTJ screwed APILP flange. QTY:-2 Nos.
  - i) Elbow, FCS, 3" (80mm) NB, 527.3kg/cm<sup>2</sup> (7500PSI),screwed female APILP thread. QTY: -3 No.
- vii) Jib crane with trolley installed on each pump to handle fluid end parts.
- viii) Hand hoist, ½ ton (500kg), LH, 2.5 m (8ft.) lift for use with Jib Crane.
- ix) API monogrammed ring joint gaskets of required quantity with additional 1 no of each should be provided.

## 2.0 Pump Drive and Motor Skid

Slush pump should be driven by dual rear mounted D.C electric motors with the help of banded power V-belts. Pump with skid (Pump Skid), 2 No D.C.motors with skid (Motor Skid), motor supports, tensioning screws, belt guards (two piece detachable type belt guards for easy opening of belts from motor sheaves) to be mounted on the master skid. Pump is to be fitted with suitable QD hub type 8V belt section sheaves (including hub) at both sides of the pump. Motors are to be fitted with suitable sheaves including hub, refer (enclosed drawing). Pump drive should be complete with Gates make (preferably) banded 8-8VP-3150 power banded V-belt.

## 3.0 Specification of D.C. Motor along with blower QTY-2

### 3.1 Type and rating of motor:

#### 3.1.1 DC MOTOR: Qty - 2 Nos

1000 HP drilling motor; single shaft extension, heavy duty, direct current, four pole, separately excited shunt field machine provided with interpoles and TIG welded, lap wound fully equalized armature coil connections. Motor should be rugged, field proven and suitable for oilfield duty, and be used to drive Draw Works / Rotary / Mud Pump.

- i. Continuous Rating: 1000 HP @ 1050 RPM, 750VDC, 1050Amps, 45 Deg C ambient.
- ii. One hour rating: 1040 HP @ 1100 RPM, 750VDC, 1100 Amps
- iii. Max Values - 830 VDC, 1300 Amps, 1300 RPM
- iv. Torque - 7500 lb-ft (nominal)
- v. Field - Separately excited Shunt Field with interpoles
- vi. Excitation - Adjustable up to 60 Amps

vii. Insulation Level 1300 Volts

viii. Insulation Class - Class - "H" both on armature and field coils

ix. Cooling / Ventilation - Type IC06 - Forced Ventilation by blower unit mounted on motor frame. Air flow 2900 cfm (with static pressure of 210 mm WG)

x. Rotation - Bi-directional

xi. Air Flow Relay - One air flow relay to monitor air flow from the blower unit, fitted with 1 NO + 1 NC auxiliary changeover contact. Contact rating - 5A, 230 VAC. This relay should be located preferably in the Blower housing.

xii. Weight of motor with blower - 3500 Kg (approx)

xiii. Make and model - Should be identical in all respects to BHEL DC motor Model 4903 CX, to ensure interchange ability with existing motor range.

xiv. Motor Terminal Box - Pressurised type

xv. Position of motor terminal box - for one motor on LHS, and for other motor on RHS; looking from the drive end towards the NDE

xvi. Cable entry glands - Single compression cable glands, suitable for 300 mm<sup>2</sup> EPR/ EVA single core, un-armoured cables. Unused cable entry ports should be plugged.

xvii. Connections

a. Power Cable Connections: Located at the Motor Terminal Box.

i) Socket / Connector for Power Cable shall have lockable type terminals and shall be suitable for Pin Type Cable Lugs

ii) Power Cable Socket terminals shall be rated for 300 mm<sup>2</sup> size single core EPR / EVA /HOFr cable having Pin Type Cable Lugs.

iii) All the Power Cable Socket/ Connector fittings shall be made of Copper.

Make - Pyle National or equivalent.

b. Control Cable Connections:

i) One number 20 pin control socket with male pins shall be provided at the Motor Terminal Box .

ii) Make: Pyle National.

It is required to ensure interchangeability with existing motor range.

c. Connections should be plug-in type for both power and control cables. All control connections to be terminated on suitably rated and properly labeled TB inside the cable box.

d. All cable entry should be from bottom of Terminal box

xviii. Cut-out switch to be provided on frame or Terminal Box to electrically isolate the motor during servicing / repair.

xix. Space (Anti-condensation) Heater - 225 Watts, 230 V single phase space heater.

xx. Mounting - Horizontal foot mounted

xxi. Indicative Make - BHEL

**xxii. Motors to be similar as per our existing Motor, the details of which are given below**

**xxiii. DC Motor footprint and other details (Electrical and mechanical) should exactly match with M/S BHEL make DC motor, 1000HP, model 4903CX, for compatibility and replacement with existing motors.**

### **3.1.2 Power Supply for DC Motor:**

i) The DC motors will be run from AC-SCR panels inside PCR's of Drilling Rigs. DC power supply from these panels is controlled by Hill-Graham designed drives called "DC Modules". Field excitation supply for the motors is also from Hill-Graham design field excitation PCB modules. Bidders are advised to ensure that offered DC motors can be run from these sources.

ii) Bidders shall note that Maximum Current Limit of DC Modules of existing AC-SCR Panel is 1500 Amps. The bidder shall confirm in the bid that the offered Slush Pump shall be designed to operate within this limit.

### **3.1.3 Submission of Drawings:**

Detailed dimensional/GA drawings of the DC motor including foot-print, shaft height (with accessories like blower unit, coupling hub etc.), wiring diagram of the DC motor terminal block (to control socket) and DC motor characteristics shall be submitted by the bidder along with the bid/quotation.

**Drawings shall be approved by OIL before actual assembly.**

### **3.1.4 Coupling Hub:**

Motor should be fitted with a coupling hub as per drawing (copy enclosed in the attachment) and suitable sheaves (see section on pump for details of sheaves).

### **3.1.5 Mounting pads:**

DC motor shall preferably be mounted on adjustable pads.

### **3.1.6 Constructional features of DC motor:**

i. Cast cum fabricated magnet frame design and box type rugged frame construction with mounting feet.

ii. High quality electrical varnished sheet steel for armature punching.

iii. Armature endplate with fan effect for providing better ventilation.

iv. Commutator to be built up from silver bearing copper & mica segments and clamped by Commutator spider and V-ring with 'V' ring insulations made from alkyl vinyl mica bonded material. Commutator to be of arch-bound construction.

v. Tungsten inert gas (TIG) welding for commutator riser parts for high temperature withstand and better reliability.

- vi. Proven insulation system with VPI resin for armature & field coils.
- vii. Flexible cable connections for brush gear & compole coils to provide against vibration.
- viii. Split carbon brushes with rubber tops.
- ix. Arcing horns & arching rings for creating an arcing gap direct to earth and to protect the commutator in the event of flashover.
- x. Bottom cable entry.
- xi. Splash guards on air outlet.
- xii. Standard drive hub, shrink fitted on tapered seating over shaft extension

### 3.2 **BLOWER: Qty - 2Nos, mounted on DC motor**

Centrifugal type Blower unit should be mounted on DC motor frame, and driven by one AC motor for pressurizing, cooling and purging the DC motor and cable box. Blower motor speed is constant, independent of DC motor speed.

- i. Fan speed - 2880 RPM, capacity - 2900 cfm; Static pressure - 210 mm WG.
- ii. Direction of discharge - counter clock-wise, down blast.
- iii. Rating of motor - 7.5 HP, 3 Phase, 415 Volts, 50 Hz, Continuous rated Squirrel cage Induction motor.

Note:

- a) Existing Motor Control Panels of Blower Motors are rated for 7.5 HP. Hence, the bidder shall note that the rating of the Motor shall preferably be 7.5 HP. In no case the rating of the Blower Motor shall exceed 10 HP.
- b) The bidder shall note that the Blower Motor shall be rated for 3 Phase, 415 Volts, and 50 Hz system.

- iv. Insulation Class - "F"
- v. Motor Speed - 3000 RPM (synch)
- vi. Motor frame size - 132M
- vii. Connections - All connections to be through double compression FLP cable glands suitable for unarmoured EPR cables of OD 16 mm. Unused cable entry ports should be plugged.
- viii. Air Flow Relay - One air flow relay to monitor air flow to the DC motor from the blower unit, fitted with 1 NO + 1 NC auxiliary changeover contact. Contact rating - 5A,230 VAC
- ix. Direction of rotation should be marked prominently on the outer surface of the blower unit.
- x. Enclosure:
  - a. IP 55 and FLP (Confirming to IS 2148; IS / IEC 60079-1).



b. Enclosure should be FLP type and should be suitable for use in hazardous areas of Zone I and Gas group IIA & IIB of Oil Mines and shall conform to IS/IEC/EN:60079-0:2011 & IS/IEC/EN:60079-1:2007. The bidders shall submit test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility. Bidder shall provide copies of above test reports along with technical bid and with the supply of Materials.

In case such Test reports/Certificates are not available at the time of submission of Bid, the same shall be submitted at the time of inspection or before dispatch. The bidder shall categorically confirm the same in their offer. Failing to submit above test reports/ Certificates, dispatch clearance shall not be given.

c. Indicative Make - Crompton Greaves / Kirloskar / Bharat Bijlee

### 3.3 AUXILIARY MOTORS (AC): Qty - As per design

All motors for auxiliary lubrication pump (if any) and liner flushing pump to be supplied along-with the slush pump, and rated as follows:

i. Type - Squirrel cage induction motor

ii. Voltage 415VAC, 3 phase 3 wire (no neutral), 50 Hz

iii. Insulation type - "F"

iv. Power - to be decided by manufacturer / supplier of slush pump, but limited to 5 HP for each motor.

v. Speed - Preferred speed is 1500 RPM.

vi. All the Auxiliary Motors shall be FLP type and should be suitable for use in hazardous areas of Zone I and Gas group IIA & IIB of Oil Mines-2017 and shall conform to IS/IEC/EN:60079-0:2011 & IS/IEC/EN:60079-1:2007 as per clause no. 107 of OMR-2017 and subsequent notifications of DGMS. The bidders shall submit test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility. Bidder shall provide copies of above test reports along with technical bid and supply of Materials.

In case such Test reports/Certificates are not available at the time of submission of Bid, the same shall be submitted at the time of inspection or before dispatch. The bidder shall categorically confirm the same in their offer. Failing to submit above test reports/ Certificates, dispatch clearance shall not be given.

vii. Terminal box - fitted with double compression gland (FLP type) suitable for cable OD of 14mm (Cable used shall be EPR/EVA insulated). Unused cable entry ports should be plugged.

viii. Standard used - IS 325; IS/IEC/EN:60079-0:2011 & IS/IEC/EN:60079-1:2007.

ix. Indicative Make - Crompton Greaves / Kirloskar / Bharat Bijlee

### 3.3.1

i. Motors shall be mounted on adjustable pads, to allow mounting of motors with different footprint and frame size. However, in all cases, the terminal boxes should have adequate space in front of the terminal boxes.

ii. The detailed engineering drawing for mounting of DC motors (foundation pad) should be submitted along with the offer /bid.

**3.4** The detailed drawing for the DC motor foundation pad on the skid to be provided along with the offer. Both DC motors must have adequate clearance from the pump body.

**3.5.1** Accessories (to be supplied): Each Motor shall be fitted with following Accessories:

i. Single compression cable glands, suitable for 300 mm<sup>2</sup> single core EPR insulated cable.

Quantity: 2 nos. for fitting on DC motor Terminal box.

ii. Double Compression cable glands-

Qty and size to be matched with the AC motors.

iii. Pyle National make 20 pin socket for control Cable connection to be fitted at the Motor Terminal Box Quantity: One Number .It is required to ensure interchangeability with existing motor range.

iv. Pin Type Cable lug along with socket/ Connector for 300 mm<sup>2</sup> single core EPR insulated cable.

Quantity: 2 sets

### 3.6.1: Spares:

i) A list of spares, with prices, for all motors (AC & DC) should be supplied along with the bid.**(Note: Without any Price details in the Technical Bid and separately indicating Prices in the Priced Bid) This will not be considered for evaluation.** This list should cover spares requirement for all motors (AC and DC) forming part of the bid.

**3.6.2.:** In addition to above accessories, Each Motor shall be supplied with following spares and accessories:

i. Single compression cable glands, suitable for 300 mm<sup>2</sup> single core EPR insulated cable for fitting on DC motor Terminal box.

Quantity: 2 nos.

ii. Double Compression cable glands: size to be matched with the AC motors.

Quantity: One for each Motor.

iii. Pyle National make 20 pin socket for control Cable connection to be fitted at the Motor Terminal Box Quantity: One Number. It is required to ensure interchangeability with existing motor range.

iv. Pin Type Cable lug along with socket/ Connector for 300 mm<sup>2</sup> single core EPR insulated cable.

Quantity: 2 sets

v. Carbon Brush: To be used at supplied DC Motors.

Quantity: 1 set ( 1 set Carbon brush set shall contains adequate no of Carbon brushes required for 1 Motor)

### **3.6.3. Handling Tools and Tackles:**

The bidders shall specifically mention the tools and tackles required for maintenance of offered DC Motors and the auxiliary AC Motors.

### **3.7. O&M Manuals & Test reports:**

Reports of tests conducted on the motors (Type / Routine / Load tests) shall be provided to Oil India along with the supply of the motors.

### **3.8 Packing**

All Electrical components (Motors etc.) shall be packed suitably to avoid ingress of moisture and to withstand the rigours of travel, as well as storage before final commissioning.

### **3.9 Test Certificates**

Potential bidders should take special note of the following essential requirement:

**3.9.1** All AC Auxiliary Motors along with Cable glands , Junction Box shall be of FLP type and should be suitable for use in hazardous areas of Zone I and Gas group IIA & IIB of Oil Mines and shall conform to IS/IEC/EN:60079-0:2011 & IS/IEC/EN:60079-1:2007 as per clause no. 107 of OMR-2017 and subsequent notifications of DGMS. The bidders shall submit test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility. Bidder shall provide copies of above test reports along with technical bid and supply of Materials.

### **4.0 OTHERS:**

Following details are to be submitted along with the offer.

I. Quotations shall be accompanied by detailed technical specifications of the pump, D.C motor (capacity, design, size etc.), dual rear mounted V-belt drive including sheaves, DC motor skid, Pump skid & Master skid , V-belt guards, pump and electric motors for liner flushing, delivery & suction dampener, pressure relief valve, pressure gauge, flex seal mud valve etc.

II. Quotation shall also be accompanied by manufacturer's printed specification sheets, literature, detailed dimensional drawings including foot-print, shaft height (with accessories) etc , layout drawings & catalogues . Complete technical details of the pump, D.C motor.

III. The Bidder must confirm every details of Electrical items as mentioned above. Any deviations must be clearly mentioned which shall be scrutinized for acceptability. However acceptance of deviations is on the discretion of OIL.

Specific type and make of components must be mentioned clearly. The bidders shall summarize the deviations / modifications separately in their offer with a heading "Deviations/ Modifications". Otherwise they will write "NO DEVIATION FROM ENQUIRY".

IV. A schematic layout (plan and elevation) of the pump set offered showing outline of master skid, pump with skid, motor with skid, dual rear mounted motors, pump drive and their accessories.

V. The performance chart of the reciprocating pump indicating all technical calculations such as hydraulic horsepower, volumetric efficiency, rpm, gear ratio etc.

VI. The offer must be supported with performance guarantee of the pump for a minimum period of 18 months from receipt or 12 months from the date of commissioning whichever is earlier.

VII. If the bidder is other than OEM, then the bidder has to provide certificate for the following from OEM :

- a. Bearings as required in the above technical specifications.
- b. Pump offered with two piece design "L" shaped Module (Fluid cylinder).
- c. Hydraulic Test certificates of High pressure fittings & accessories.

VIII. Specific confirmation from the bidder for installation and commissioning of slush pump set at OIL's work site at a radial distance of 50 KM from Duliajan, Assam, India. Supplier shall arrange for tools, manpower, materials and any other requirement on their own. Supplier shall arrange boarding and lodging of their personnel for commissioning jobs

IX. List of spare parts with part no., quantity and unit rate recommended for two years of operation should be provided along with the offer.

**(Note: Without any Price details in the Technical Bid and separately indicating Prices in the Priced Bid)**

X. Specific confirmation ensuring uninterrupted supply of spares for all items including accessories for a minimum period of 15 years.

XI. During the guarantee /warranty period, the supplier has to attend / rectify all defects of the pump at site in and around Duliajan, Assam and replace / repair (including supply of spares) all malfunctioning components free of cost to OIL. For any such breakdown, guarantee /warranty period will be extended to the equal no. of days of breakdown.

XII. The following spare parts and tools should be included in the scope of supply. These spare parts are to be quoted separately with individual part numbers and prices thereof. **The cost of these spares will be considered for evaluation of the offers.** However M/s OIL INDIA LIMITED reserves the right to decide whether to purchase these spare parts along with the pump or not.

Mandatory spare parts for each offered pump

1. Liner 7-1/2": 06 No
2. Liner 6": 06 No
3. Liner 4-1/2": 09 no
4. Piston Assembly 7-1/2": 12 No
5. Piston Assembly 6": 6 No
6. Piston Assembly 4-1/2": 15 No
7. Piston Rod complete: 3 No
8. Valve seat : 50 No.
9. Valve assy. with polyurethane insert: 100 No
10. Valve Insert (polyurethane) : 50 nos
11. Valve spring : 48 No.
12. Valve cover gasket : 100 No

13. Liner gasket, 7-1/2" : 20 no
14. Liner gasket, 6" : 12 no
15. Liner Gasket, 4-1/2": 12 no
16. Wear plate gasket : 12 No
17. Wear plate : 3 No
18. Module / Fluid Cylinder (Suction)with seals : 3 No
19. Module / Fluid Cylinder (Discharge)with seals: 3 No
20. Compatible Valve seat puller assy: 1No (Type & Make to be specified)
21. Banded power belt: 2 set Type&Make as offered with the pump)
22. Discharge interconnections/ manifold : 1 set
23. Suction manifold with seal & companion flanges: 01 no
24. Suction diaphragm (if provided): 01 No
25. Belt Tension meter: 01 no
26. Belt Alignment meter: 01 no
27. Intermediate rod oil seal: 12 nos
28. Pinion Bearing Oil seal: 02 nos
29. 5"Discharge Strainer Cross (7500psi rating) with studs: 01 no
30. Discharge Pulsation dampener K20-7500 model: 01 no
31. Discharge Dampener Bladder, Stabilizer & Charging valve: 01 no
32. Safety Reset Relief Valve (1500-7500psi),Type-B: 01 no
33. Swipe of 135 degree with weld -neck 5"RJ flange on one end & 4" (100mm) NB X 8" (200mm) long screwed APILP nipple on other end(7500psi) : 01 no
34. Pressure Gauge (0-10000psi),Type-D: 01 no
35. External Lube pump(if provided): 01 no

**(Note: Without any Price details in the Technical Bid and separately indicating Prices in the Priced Bid)**

**Any other maintenance spares that may be necessary during an initial period of two years should be quoted; however, the same will not be taken for evaluation.**

XIII. The bidder has to submit Technical checklist and datasheet for electrical parts which are attached along with their offer.

XIV. Any deviation(s) from the tender specification should be clearly highlighted specifying justification in support of deviation.

XV. Pump, Motors and other accessories must be new and in unused condition. Bidder has to ensure the same in their offer.

Note: Offer not complying with above points i.e.4.0 (i) through 4.0(xiii) shall be treated as non-responsive and offer will be rejected.

## **5.0 Terms & Conditions:**

### **5.1 Inspection & Tests:**

i) Pump with motor and other accessories may be subjected to inspection during assembly or 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 conforms to correct specifications.

ii) The complete pump with motor will be inspected and performance tested as required by a team of 2/3 engineers from OIL at the supplier's works. The supplier should give inspection call well in advance (at least 3 months). Non-compliance of this clause by the bidder will be rejected. The cost of pre despatch inspection if any

should be mentioned separately in their offer. However, fares, boarding/ lodging etc for our Engineers to carry out the inspection will be borne by OIL. If the country of origin of the pump and the motor is different, then the pump and the motor will be inspected in the respective manufacturer's works separately. However, pump manufacturer should make necessary arrangements for inspection of the pump under load at their works.

iii) The supplier shall carryout ultra-sonography /radiography testing for entire welding zone. The supplier shall also carryout physical & chemical testing of various material used. The supplier shall submit records and certificates of such tests to the purchaser in quadruplicate during the time of pump inspection.

## **5.2 Operation and Maintenance Manuals :**

Operation and Maintenance manuals for the pump and Motors (for both the DC & AC blower motors) shall be submitted along with the supply of pump set (3 copies for pump and 3 copies for each of the motors). Total 4 (four) sets of soft copies (in compact disc format)/ flash memory format of the manuals shall also be submitted along with the pump set.

## **6.0 Commissioning:**

Successful bidders will be responsible for installation, and commissioning of the complete pump package. The expected date of commissioning shall be informed by OIL after the pump is transported to site (estimated to be commissioned within 3 months from receipt at site). **Bidder must quote separately for installation/ unitization/ commissioning charges if any which shall be considered for bid evaluation.** This charge should include the to and fro charges, food & lodging and daily charges of the personnel. OIL may provide accommodation (on payment basis) subject to availability.

## **7.0 Special Terms and Conditions:**

The Bidder must confirm every details of Electrical items as mentioned in above Annexure A. Any deviations must be clearly mentioned which shall be scrutinized for acceptability. However acceptance of deviations is on the discretion of OIL. Specific type and make of components must be mentioned clearly. The bidders shall summarize the deviations / modifications separately in their offer with a heading "Deviations/ Modifications". Otherwise they will write "NO DEVIATION FROM ENQUIRY".


\*\*\*\*\*

**BB :: GENERAL NOTES TO BIDDERS:**

Sl No	Clause description
1.0	<p><b><u>Tender fee is not applicable against this tender.</u></b></p> <p><b><u>Bidders to take note of the following:</u></b></p> <ol style="list-style-type: none"><li><b><u>1.</u></b> Bidders without having E-tender Login ID and Password should complete their online registration at least seven (7) days prior to the scheduled bid closing date and time of the tender. For online registration, Bidder may visit the OIL's E-tender site <a href="https://etender.srm.oilindia.in/irj/portal">https://etender.srm.oilindia.in/irj/portal</a></li><li><b><u>2.</u></b> Necessary Login ID&amp; Password will be issued by OIL only after submitting the complete online registration by the Bidder. In the event of late registration/incomplete registration by Bidder, OIL INDIA LIMITED shall not be responsible for late allotment of User ID &amp; Password and request for bid closing date extension on that plea shall not be entertained by Company.</li><li><b><u>3.</u></b> MSEs Units (manufacturers/Service Providers only and not their dealers/distributors) who are already registered with District Industry Centers or Khadi&amp; Village Industries Commission or Khadi&amp; Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts &amp; Handloom or any other body specified by Ministry of MSME are exempted from payment of Bid Security (EMD) irrespective of monetary limit mentioned in their registration, provided they are registered for the item they intend to quote/participate.</li><li><b><u>4.</u></b> For availing benefits under Public Procurement Policy (Purchase preference &amp; EMD exemption), the interested MSE Bidders must ensure that they are the manufacturer/ service provider of tendered item(s) and registered with the appropriate authority for the said item(s). Bids without EMD shall be rejected, if the technical offer does not include a valid copy of relevant MSE Certificate issued by appropriate authority specifying the item as per tender. Therefore, it is in the interest of such MSE Vendors to furnish a copy of complete certificate to the concerned tender handling officer of OIL at least seven (7) days prior to the scheduled Bid Closing Date of the tender; seeking clarification/confirmation as to whether their registered item is eligible for EMD exemption or not. Late communications in this regard and request for bid closing date extension on that plea shall not be entertained by Company.</li></ol>
2.0	<p><b>Bid Security/EMD/Performance Bank Guarantee – Must be paid either through online mode or Submission of Bank Guarantee/LC only. No DD/Cheques/Cashier Cheque or any other mode will be acceptable.</b></p> <p><b>The Bank Guarantee issued by bank must be routed through SFMS platform as per following details:</b></p> <ol style="list-style-type: none"><li>(i) “MT760/ MT760 COV for issuance of bank guarantee</li><li>(ii) MT767/ MT767 COV for amendment of bank guarantee</li></ol> <p>The above message/intimation shall be sent through SFMS by the BG</p>

	<p>issuing bank branch to Axis Bank, Duliajan Branch, IFS Code: UTIB0001129. Branch Address: Axis Bank Ltd., Duliajan Branch, Daily Bazar, Jyotinagar, Duliajan, Dist-Dibrugarh, Pin- 786602.</p> <p>b. The vendor shall submit to OIL the copy of the SFMS message as sent by the issuing bank branch along with the original bank guarantee.</p>				
3.0	The tender will be governed by “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) including Amendments & Addendum to “General Terms & Conditions” for e-Procurement.				
4.0	Bid must be submitted online through OIL’s e-procurement portal. Bid submitted in any other form will be rejected.				
5.0	<p>Please note that all tender forms and supporting documents are to be submitted through OIL’s e-Procurement site only <b>except following documents which are to be submitted manually in sealed envelope superscribing tender no. and due date to The GM Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before 13:00 hrs (IST) on the Bid Closing Date mentioned in the Tender.</b></p> <p><b>a) Original Bid Security along with two duplicate copies of Bid Security.</b>  <b>b) Any other documents which have been particularly asked for in this tender for submission.</b></p>				
6.0	Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time, failing which the offer shall be rejected.				
7.0	<p>The tender is invited under <b>SINGLE STAGE-TWO BID SYSTEM</b>. The bidder has to submit both the <b>“TECHNO-COMMERCIAL UNPRICED BID”</b> and <b>“PRICED BID”</b> through electronic form in the OIL’s e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The “Techno-commercial Unpriced Bid” shall contain all technical and commercial details except the prices which shall be kept blank. Details of prices as per Bid format / Commercial bid to be uploaded as attachment in the Attachment Tab “Notes and Attachments”. Any offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.</p> <table border="1" style="margin-left: 20px;"> <tr> <td style="padding: 2px;">Notes and Attachments</td> <td style="padding: 2px;">→ <b>Only Price Details Should Be Uploaded</b></td> </tr> <tr> <td style="padding: 2px;">Technical attachments</td> <td style="padding: 2px;">→ <b>All technical bid documents except price details</b></td> </tr> </table> <p><b>Please do refer “NEW INSTRUCTION TO BIDDER FOR SUBMISSION” for the above two points and also please refer “ New Vendor Manual (effective 12.04.2017) ” available in the login Page of the OIL’s E-tender Portal.</b></p>	Notes and Attachments	→ <b>Only Price Details Should Be Uploaded</b>	Technical attachments	→ <b>All technical bid documents except price details</b>
Notes and Attachments	→ <b>Only Price Details Should Be Uploaded</b>				
Technical attachments	→ <b>All technical bid documents except price details</b>				



	
8.0	<p>In Technical Bid opening, only Technical Rfx will be opened. Therefore, the bidder should ensure that “TECHNO-COMMERCIAL UNPRICED BID should contain details as mentioned in the technical specifications as well as BEC/ BRC and upload the same in the Technical Rfx Response-&gt; User - &gt; Technical Bid. <b><u>No price should be given in above Technical Rfx otherwise the offer will be rejected.</u></b> Please go through the help document in details before uploading the document and ensure uploading of technical bid in the Technical Rfx Response-&gt; User - &gt; Technical Bid only. The “PRICE BID” must contain the price schedule and the bidder’s commercial terms and conditions. Details of prices as per Bid format / Commercial bid can be uploaded as Attachment under the attachment option under “Notes &amp; Attachments”.</p>
9.0	<p>PRICED BIDS OF ONLY THOSE BIDDERS WILL BE OPENED WHOSE OFFERS ARE FOUND TO BE TECHNO-COMMERCIALLY ACCEPTABLE.</p>
10.0	<p>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 rejection of its offer without seeking any clarifications.</p>
11.0	<p>Please mention clearly in your quotation the Net. Weight, Gross Weight &amp; Volume, Indian Agent's Name and its Commission, Payment Terms, Ocean Freight, Port of Loading, Delivery period, Country of origin with manufacturer's name, etc.</p>
12.0	<p>To ascertain the substantial responsiveness of the bid, OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by OIL, failing which the offer will be summarily rejected.</p>
13.0	<p>Other terms and conditions of the tender shall be as per “General Terms &amp; Conditions” for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). However, if any of the Clauses of the Bid Rejection Criteria (BRC) / Bid Evaluation Criteria (BEC) mentioned here contradict the Clauses in the “General Terms &amp; Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.</p>
14.0	<p>All the Bids must be Digitally Signed using “Class 3” [Organization] 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” [Organization] digital certificate, will be liable for rejection.</p>

15.0	<p>Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.</p> <p>"In order to bid for OIL e-tenders all the vendors are required to obtain a legally valid Digital Certificate Class III [Organization] along with Encryption Certificate as per Indian IT Act from the licensed Certifying Authorities (CA) operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. Digital Signature Certificate comes in a pair of Signing/verification and Encryption/decryption certificate. Bidder should have both the Signing/verification and Encryption/Decryption certificate for Signing and encryption, decryption purpose respectively. The driver needs to be installed once, without which the DSC will not be recognized. While participating on e-Tendering the DSC token should be connected to your system.</p> <p>Encryption certificate is mandatorily required for submission of bid. In case bidder created response with one certificate (using encryption key) and bidder change his Digital Signature Certificate then old certificate (used for encryption) is required in order to decrypt his encrypted response for getting the edit mode of the response. Once decryption is done, bidder may use new DSC certificate for uploading and submission of their offer. It is the sole responsibility of the bidder to keep their DSC certificate properly. In case of loss of the certificate, OIL INDIA LTD is not responsible."</p>
16.0	<p>Bidders to note that Govt. of India under Micro, Small and Medium Enterprises Development (MSMED) Act 2006, has proclaimed the Public Procurement Policy, 2012 with effect from 1st April, 2012 in respect of procurement of goods and services, produced and provided by micro and small enterprises, by its Ministries, Departments and Public Sector Undertakings for promotion and development of Micro and Small Enterprises. A new Clause on applicability of Public Procurement Policy for procurement of goods from Micro and Small Enterprises (MSE) in the tender is furnished vide Amendment to General Terms and Conditions for Global Tender (MM/GLOBAL/E-01/2005). Bidders are requested to take note of the same and to submit their offers accordingly.</p>
17.0	<p>The items shall be brand new, unused &amp; of prime quality. The manufacturer shall warrant (in the event of an order) that the product supplied will be free from all defects &amp; fault in material, workmanship &amp; manufacture and shall be in full conformity with ordered specifications. This clause shall be valid for a period of twelve (12) months from the date of successful commissioning of the complete package at site. The defective materials, if any, rejected by OIL shall be replaced by the supplier at their own expense. Bidders must confirm the same in their quotations.</p>
18.0	<p>Quantity of Individual item may be increased or decrease at the time of final placement of order. The minimum FOB charges in case of partial order for reduced quantity/enhanced quantity shall have to be indicated by the bidder. In case, this is not indicated specifically, the charges quoted would be pro-rata calculated and the same will be binding on the bidder.</p>
19.0	<p>Any deviation(s) from the tender specification should be clearly highlighted specifying justification in support of deviation.</p>
20.0	<p>The Integrity Pact is applicable against this tender .OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure- IX of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact with the offer, their bid shall be rejected straightway.</p>

	<p>OIL's Independent External Monitors at present are as under:</p> <p>SHRI RAJIV MATHUR, IPS (Retd.), Former Director (IB) Govt. of India e-Mail ID : rajivmathur23@gmail.com</p> <p>SHRI SATYANANDA MISHRA, IAS(Retd.) Former Chief Information Commissioner &amp; Ex-Secretary, DOPT, Govt. of India E-mail Id : satyanandamishra@hotmail.com</p> <p>SHRI JAGMOHAN GARG, Ex-Vigilance Commissioner, CVC e-Mail id : jagmohan.garg@gmail.com</p>
21.0	<b>Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the original bid closing date.</b>
22.0	<p>Performance Security clause (Clause No. 10.0 of Section-A) of "General Terms &amp; Conditions for Global Tenders (MM/GLOBAL/01/2005)" has been amended and the new clause is detailed in the Amendment dated 25.04.2016 issued to MM/GLOBAL/01/2005. <b>Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value which should remain valid for the period execution, including extension, if any and the entire warranty period in line with tender requirement. The successful bidder shall submit Performance Security within 30 days of award, failing which OIL reserves the right to cancel the order and forfeit their Bid Security. Bidders should undertake in their bids to submit Performance Security as stated above. Bidders to note the same and to confirm its acceptance in their offers.</b></p> <p>The Bank Guarantee issued by bank must be routed through SFMS platform as per following details:</p> <p>a. (i) "MT760/ MT760 COV for issuance of bank guarantee (ii) MT767/ MT767 COV for amendment of bank guarantee The above message/intimation shall be sent through SFMS by the BG issuing bank branch to Axis Bank, Duliajan Branch, IFS Code: UTIB0001129. Branch Address: Axis Bank Ltd., Duliajan Branch, Daily Bazar, Jyotinagar, Duliajan, Dist-Dibrugarh, Pin- 786602.</p> <p>b. The vendor shall submit to OIL the copy of the SFMS message as sent by the issuing bank branch along with the original bank guarantee.</p>
23.0	Bidder to sign and submit completely filled up Technical & Commercial check list.
24.0	<p><b>Payment terms: Payment shall be released as follows:</b></p> <p>(i) 80% of the Mud Pump Packages value shall be paid against shipment/dispatch documents.</p> <p>(ii) Remaining 20 % of the Mud Pump Packages value alongwith commissioning charges shall be paid after successful commissioning and acceptance of the Mud Pump Packages at OIL's site.</p>
25.0	<b>Liquidated Damage: Refer to "General Terms &amp; Conditions" for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). In case of deduction of LD, LD amount will be deducted along with applicable rate of GST.</b>

26.0	<p>The items covered by this enquiry 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 against CIF valuing INR 5.00 Lakh and above &amp; concessional IGST during import will be applicable.</p> <p>In the event of an order on indigenous bidder, OIL will issue Project Authority Certificate (PAC) under Deemed Export benefit, where import content is declared by the bidder for availing Advance Licence for intermediate Supply. However, Indian bidders will not be issued Recommendatory Letter. Details of Deemed Export benefit are furnished vide Addendum to “General Terms &amp; Conditions” Booklet No. MM/GLOBAL/E-01/2005. The bidders are requested to check the latest position on the subject on their own and OIL shall not accept any liability, whatsoever, on this account.</p> <p>Indigenous Supplier shall furnish the invoice to OIL before the dispatch for obtaining Essentiality Certificate from DGH towards concessional rate of GST against invoice valuing INR 1.00 Lakh and above. Supplier shall arrange to provide all necessary documents to apply for the essentiality certificate on receipt of request from OIL, if any. Further, supplier shall affect dispatch only on receipt of relevant certificates from OIL, failing which all related liabilities shall be to Supplier’s account.</p>
27.0	<p>Bidders to note that Ministry of Petroleum &amp; Natural Gas, Government of India implemented PPLC Policy to provide Purchase Preference (linked with local content) by notification no. Ref. O-27011/44/2016-ONG-II/FP dtd.25.04.2017. A new Clause on applicability of Purchase Preference (linked with local content) policy in the tender is furnished as Annexure-VIII of the tender document. Bidders are requested to take note of the same and to submit their offers accordingly wherever applicable.</p>
28.0	<p><b><u>Clauses related to GST:</u></b></p> <ol style="list-style-type: none"> <li>1. For the purposes of levy and imposition of GST, the expressions shall have the following meanings: <ol style="list-style-type: none"> <li>(a) GST - means any tax imposed on the supply of goods and/or services under GST Law.</li> <li>(b) Cess – means any applicable cess, existing or future on the supply of Goods and Services as per Goods and Services Tax (Compensation to States) Act, 2017.</li> <li>(c) GST Law - means IGST Act 2017, CGST Act 2017, UTGST Act, 2017 and SGST Act, 2017 and all related ancillary Rules and Notifications issued in this regard from time to time.</li> </ol> </li> <li>2. The rates quoted by the bidders shall be inclusive of all taxes, duties and levies. However, bidders are required to provide separately the rate and amount of all types of taxes, duties and levies. In case, the quoted information related to various taxes, duties &amp; levies subsequently proves wrong, incorrect or misleading, OIL will have no liability to reimburse the difference in the duty/ tax, if the finally assessed amount is on the higher side and OIL will have to right to recover the difference in case the rate of duty/ taxes finally assessed is on the lower side. Further, bidders have to clearly show the amount of GST separately in the Tax Invoices. Further, it is the responsibility of the bidders to make all possible efforts to make their accounting / IT system GST compliant in order to ensure availability of Input Tax Credit (ITC) to Oil India Ltd.</li> <li>3. Offers without giving any of the details of the taxes (Including rates and amounts) as specified above will be considered as inclusive of all taxes including GST. When a bidder mentions taxes as extra without specifying the rates &amp; amount, the offer will be loaded with maximum</li> </ol>

value towards taxes received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of order on that bidder, taxes mentioned by OIL on the Purchase Order/ Contracts will be binding on the bidder.

4. Bidders are required to pass on the benefit arising out of introduction of GST, including seamless flow of Input Tax Credit, reduction in Tax Rate on inputs as well as final goods by way of reduction of price as contemplated in the provision relating to Anti-Profiteering Measure vide Section 171 of the CGST Act, 2017. Accordingly, for supplies made under GST, the bidders should confirm that benefit of lower costs has been passed on to OIL by way of lower prices/taxes and also provide details of the same as applicable. OIL reserves the right to examine such details about costs of inputs/input services of the bidders to ensure that the intended benefits of GST have been passed on to OIL.

5. Oil India Ltd. shall declare the value of free issue of materials and services, if any, involved in the execution of the contract. The Contractor should consider the same while working out the GST liability, if any. Further in cases where GST is leviable on any facilities provided by OIL and used by bidders and the consideration for which is recovered by OIL in the form of reduction in the invoice raised by bidders then OIL will raise GST invoices on such transactions and the same will be reimbursed by bidders.

**6. When Input tax credit is available for Set Off**

Evaluation of L-1 prices shall be done based on Quoted price after deduction of Input Tax Credit (ITC) of GST, if available to OIL. OIL shall evaluate the offers on the basis of the quoted rates only and any claim subsequently by the bidders for additional payment/liability shall not be admitted and has to be borne by the bidders

**When Input tax credit is NOT available for Set Off**

Evaluation of L-1 prices shall be done based on Quoted price only. OIL shall evaluate the offers on the basis of the quoted rates only and any claim subsequently by the bidders for additional payment/liability shall not be admitted and has to be borne by the bidders

7. Bidders agree to do all things not limited to providing GST compliant Tax Invoices or other documentation as per GST law relating to the supply of goods and/or services covered in the instant contract like raising of and /or acceptance or rejection of credit notes / debit notes as the case may be, payment of taxes, timely filing of valid statutory Returns for the tax period on the Goods and Service Tax Network (GSTN), submission of general information as and when called for by OIL in the customized format shared by OIL in order to enable OIL to update its database etc. that may be necessary to match the invoices on GSTN common portal and enable OIL to claim input tax credit in relation to any GST payable under this Contract or in respect of any supply under this Contract.

8. In case Input Tax Credit of GST is denied or demand is recovered from OIL by the Central / State Authorities on account of any non-compliance by bidders, including non-payment of GST charged and recovered, the Vendor/Supplier/Contractor shall indemnify OIL in respect of all claims of tax, penalty and/or interest, loss, damages, costs, expenses and liability that may arise due to such non-compliance. OIL, at its discretion, may also withhold/recover such disputed amount from the pending payments of the bidders.

29.0	<b>Along with the technical bid, bidders must submit duly filled undertaking as per format enclosed vide Format-A as undertaking towards submission of authentic information/documents.</b>
30.0	For convenience of the qualified Bidders and to improve transparency, the rates/costs quoted by bidders against OIL's e-tenders shall be available for online viewing by such Bidders whose price bids are opened by Company. A Bidder can view item-wise rates/ costs of all other such peer bidders against the tender immediately after price bid opening, if the e-tender is floated by Company with PRICE CONDITION. In case the Price-Bid is invited by Company through attachment form under "Notes & Attachment" (i.e., NO PRICE Condition), Bidders must upload their detailed Price-Bid as per the prescribed format under "Notes & Attachment", in addition to filling up the "Total Bid Value" Tab taking into account the cost of all individual line items and other applicable charges like freight, tax, duties, levies etc. Under NO PRICE Condition (i.e., Price Bid in attachment form), the "Total Bid Value" as calculated & quoted by the Bidder shall only be shared amongst the eligible bidders and Company will not assume any responsibility whatsoever towards calculation errors/ omissions therein, if any. Notwithstanding to sharing the "Total Bid Value" or the same is whether filled up by the Bidder or not, Company will evaluate the cost details to ascertain the inter-se-ranking of bidders strictly as per the uploaded attachment and Bid Evaluation Criteria only. Online view of prices as above shall be available to the Bidders only upto seven days from the date of Price-Bid opening of the e-tender.

**BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)**

The bids shall conform generally to the specifications, terms and conditions given in the tender. Bids shall be rejected in case the items offered do not confirm 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 & conditions, the following requirements will have to be particularly meet by the bids, without which the offer will be considered as non-respective and rejected.

**I. BID REJECTION CRITERIA (BRC)**

**(A) TECHNICAL:**

1.0 Bidder's Qualification:

1.1 The bidder should either be an:

A. **OEM [original equipment manufacturer ] of Pump**

OR

B. **Authorized dealer / distributor /sole Selling Agent of OEM of Pump**

OR

C. **OEM [Pump] authorized Assembler of Pump package.**

**1.1.1 If the bidder is an OEM of the Pump, then the following criteria must be fulfilled:**

i) The bidder must be an OEM of pump since last 05(five) years reckoning from the original bid closing date. Documentary evidence to that effect must be submitted along with the offer.

ii) Bidder must purchase the DC/AC Motor, drive & other accessories from the OEM or respective authorized dealer of these items. The purchase documents of DC/AC Motor and drive & other accessories from the OEM or authorized dealer must be submitted along with the supply of pump sets. Bidder must confirm compliance of this in the technical bid.

iii) The bidder has to provide documentary evidence along with the offer for supplying minimum 1 No of 1600HP or more (Rating 7500 psi or above) Slush pump set , complete with DC/AC Motor and drive in last 5(Five) years for drilling rig application . Documentary evidence in respect of the above should be submitted in the form of copies of relevant purchase orders along with copies of any of the documents in respect of satisfactory execution of each of these purchase orders such as

- a. Satisfactory inspection report OR
- b. Satisfactory supply completion /Installation report OR
- c. Consignee receipt delivery challan OR

d. Central excise gate pass / tax invoice issued under relevant rules of central excise /VAT OR

e. Any other documentary evidence that can substantiate the satisfactory execution of each of the purchase order cited above.

Note: The Purchase Order date need not be within 5 (five) years preceding the original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender. Order copy to be enclosed with relevant page number bearing signature of purchaser or authenticated by purchaser. Satisfactory supply / completion report should be issued on company's letterhead with signature and stamp.

iv) DC Motor footprint and other details (Electrical and mechanical) should exactly match with M/S BHEL make DC motor, 1000 HP, model: 4903CX for compatibility and replacement with existing motors.

v) Bidder quoted as manufacturer must guarantee uninterrupted supply of spares and availability of service for at least 15 years with effect from delivery of the Item / product for the item / product to be supplied under the Tender / Order, if order is awarded to them by OIL.

vi) Bidder should categorically confirm in the technical bid a delivery schedule within **Eight (08)** months, FOB Port of dispatch, after establishment of letter of credit (in case of foreign bidder) or for dispatch of the equipment within **Eight (08)** months after receipt of formal order (in case of indigenous bidder) failing which their offer will be rejected. Bidder should also categorically confirm in the technical bid that installation and commissioning shall be done within **Three (03)** month after receipt of site clearance from OIL.

vii) If the bidder is a manufacturer and supplied the tendered items to OIL in the last 5 (five) years as on original bid closing date either by themselves or through their distributor/dealer and whose past performance has been satisfactory, the bidder need not satisfy Claus 1.1.1 (iii). In this situation the bidder shall have to indicate the Purchase Order (P.O.) No. of OIL in their technical bid.

**1.1.2 If the bidder is an Authorized dealer / distributor / sole Selling Agent of OEM of Pump, then the following criteria must be fulfilled:**

i) The bidder must be an Authorized dealer / distributor / sole Selling Agent of OEM of Pump since last 05(five) years reckoning from the original bid closing date. Authorization certificate from the manufacturer (in original on manufacturer's letter head) should be submitted along with the technical bid.

ii) Bidder must purchase the Pump from their OEM and DC/AC Motor, drive and other accessories from the respective OEM's or authorized dealers of these items. The purchase documents of Pump, DC/AC Motor, drive and other accessories from the OEM's or authorized dealers must be submitted along with the supply of Pump package. Bidder must confirm compliance of this in the technical bid.

iii) Undertaking from the manufacturer of pump (in original on manufacturer's letter head) guaranteeing supply of items to the bidder in the event of an order on the bidder. This certificate should be valid at the time of bidding and should remain valid during the entire execution period of the order.



iv) Warranty backup from the manufacturer of pump in original on manufacturer's letter head against the quality of the tendered item(s) as specified in the tender.

v) Undertaking from the manufacturer of pump (in original on manufacturer's letter head) guaranteeing uninterrupted supply of spares and availability of service for at least 15 years with effect from delivery of the Item / product for the item / product to be supplied under the Tender / Order, if order is awarded to them by OIL

vi) The bidder has to provide documentary evidence along with the offer for their principal OEM (pump) that the OEM had supplied minimum 1 No of 1600HP or more (Rating 7500 psi or above) Slush pump set , complete with DC/AC Motor and drive in last 5(Five) years for drilling rig application . Documentary evidence in respect of the above should be submitted in the form of copies of relevant purchase orders along with copies of any of the documents in respect of satisfactory execution of each of these purchase orders such as

- a. Satisfactory inspection report OR
- b. Satisfactory supply completion /Installation report OR
- c. Consignee receipt delivery challan OR
- d. Central excise gate pass / tax invoice issued under relevant rules of central excise /VAT OR
- e. Any other documentary evidence that can substantiate the satisfactory execution of each of the purchase order cited above.

Note: The Purchase Order date need not be within 5 (five) years preceding the original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender. Order copy to be enclosed with relevant page number bearing signature of purchaser or authenticated by purchaser. Satisfactory supply / completion report should be issued on company's letterhead with signature and stamp.

vii) The bidder has to provide documentary evidence along with the offer of bidder's own experience of supplying minimum 1 No of 1600HP or more (Rating 7500 psi or above) Slush pump set, complete with DC/AC Motor and drive in last 5(Five) years for drilling rig application. Documentary evidence in respect of the above should be submitted in the form of copies of relevant purchase orders along with copies of any of the documents in respect of satisfactory execution of each of these purchase orders such as

- a. Satisfactory inspection report OR
- b. Satisfactory supply completion /Installation report OR
- c. Consignee receipt delivery challan OR
- d. Central excise gate pass / tax invoice issued under relevant rules of central excise /VAT OR
- e. Any other documentary evidence that can substantiate the satisfactory execution of each of the purchase order cited above.

Note: a.)The Purchase Order date need not be within 5 (five) years preceding the original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender. Order copy to be enclosed with relevant page number bearing signature of purchaser or authenticated by purchaser. Satisfactory supply / completion report should be issued on company's letterhead with signature and stamp.

b) Manufacturer of Pump (supplied against the purchase order submitted as documentary evidence of past supply) should be same as that Manufacturer of pump offered by the bidder.

viii) DC Motor footprint and other details (Electrical and mechanical) should exactly match with M/S BHEL make DC motor, 1000 HP, model: 4903CX for compatibility and replacement with existing motors.

ix) Bidder should categorically confirm in the technical bid a delivery schedule within **Eight (08)** months, FOB Port of dispatch, after establishment of letter of credit (in case of foreign bidder) or for despatch of the equipment within **Eight (08)** months after receipt of formal order (in case of indigenous bidder) failing which their offer will be rejected. Bidder should also categorically confirm in the technical bid that installation and commissioning shall be done within **Three (03)** month after receipt of site clearance from OIL.

x) If the bidder is an authorized dealer / distributor of OEM of Pump and have successfully supplied the tendered items to OIL in the last 05(five) years as on original bid closing date whose past performance has been satisfactory, the bidder need not satisfy Clause 1.1.2 (vi), (vii). In this situation the bidder shall have to indicate the Purchase Order (P.O.) No. of OIL in their technical bid. However, this exemption shall be applicable only if the bidder has declared in the bid that they will be supplying the tendered item from the same manufacturer as per the last order supply.

**1.1.3 If the bidder is an OEM (Pump) approved assembler, then the following criteria must be fulfilled:**

i) The bidder must be OEM (Pump) approved assembler since last 05(five) years reckoning from the original bid closing date. Documentary evidence to that effect from OEM must be submitted along with the offer.

ii) Bidder must purchase the Pump from their OEM and DC/AC Motor, drive and other accessories from the respective OEM's or authorized dealers of these items. The purchase documents of Pump, DC/AC Motor, drive and other accessories from the OEM's or authorized dealers must be submitted along with the supply of Pump package. Bidder must confirm compliance of this in the technical bid

iii) Undertaking from the manufacturer of pump (in original on manufacturer's letter head) guaranteeing supply of items to the bidder in the event of an order on the bidder. This certificate should be valid at the time of bidding and should remain valid during the entire execution period of the order.

iv) Warranty backup from the manufacturer of pump in original on manufacturer's letter head against the quality of the tendered item(s) as specified in the tender.

v) Undertaking from the manufacturer of pump (in original on manufacturer's letter head) guaranteeing uninterrupted supply of spares and availability of service for at least 15 years with effect from delivery of the Item / product for the item / product to be supplied under the Tender / Order, if order is awarded to them by OIL.

vi) The bidder has to provide documentary evidence along with the offer for their principal OEM (pump) that the OEM had supplied minimum 1 No of 1600HP or more (Rating 7500 psi or above) Slush pump set, complete with DC/AC Motor and drive in last 5(Five) years for drilling rig application. Documentary evidence in

respect of the above should be submitted in the form of copies of relevant purchase orders along with copies of any of the documents in respect of satisfactory execution of each of these purchase orders such as

- a. Satisfactory inspection report OR
- b. Satisfactory supply completion /Installation report OR
- c. Consignee receipt delivery challan OR
- d. Central excise gate pass / tax invoice issued under relevant rules of central excise /VAT OR
- e. Any other documentary evidence that can substantiate the satisfactory execution of each of the purchase order cited above.

Note: The Purchase Order date need not be within 5 (five) years preceding the original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender. Order copy to be enclosed with relevant page number bearing signature of purchaser or authenticated by purchaser. Satisfactory supply / completion report should be issued on company's letterhead with signature and stamp.

vii) The bidder has to provide documentary evidence along with the offer of bidder's own experience of supplying minimum 1 No of 1600HP or more (Rating 7500 psi or above) Slush pump set, complete with DC/AC Motor and drive in last 5(Five) years for drilling rig application. Documentary evidence in respect of the above should be submitted in the form of copies of relevant purchase orders along with copies of any of the documents in respect of satisfactory execution of each of these purchase orders such as

- a. Satisfactory inspection report OR
- b. Satisfactory supply completion /Installation report OR
- c. Consignee receipt delivery challan OR
- d. Central excise gate pass / tax invoice issued under relevant rules of central excise /VAT OR
- e. Any other documentary evidence that can substantiate the satisfactory execution of each of the purchase order cited above.

Note: (a) The Purchase Order date need not be within 5 (five) years preceding the original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender. Order copy to be enclosed with relevant page number bearing signature of purchaser or authenticated by purchaser. Satisfactory supply / completion report should be issued on company's letterhead with signature and stamp.

b) Manufacturer of Pump ( supplied against the purchase order submitted as documentary evidence of past supply ) should be same as that Manufacturer of pump offered by the bidder.

viii) DC Motor footprint and other details (Electrical and mechanical) should exactly match with M/S BHEL make DC motor, 1000 HP, model: 4903CX for compatibility and replacement with existing motors.

ix) Bidder should categorically confirm in the technical bid a delivery schedule within **Eight (08)** months, FOB Port of dispatch, after establishment of letter of credit (in case of foreign bidder) or for despatch of the equipment within **Eight (08)** months after receipt of formal order (in case of indigenous bidder) failing which their offer will be rejected. Bidder should also categorically confirm in the technical bid that installation and commissioning shall be done within **Three (03)** month after receipt of site clearance from OIL .

x) If the bidder is an OEM (Pump) approved assembler and have successfully supplied the tendered items to OIL in the last 05(five) years as on original bid closing date whose past performance has been satisfactory, the bidder need not satisfy Clause 1.1.3 (vi), (vii) . In this situation the bidder shall have to indicate the Purchase Order (P.O.) No. of OIL in their technical bid. However, this exemption shall be applicable only if the bidder has declared in the bid that they will be supplying the tendered item from the same manufacturer as per the last order supply.

**B. FINANCIAL:**

- 1.0 **Annual Turnover:** The bidder shall have an annual financial turnover of minimum **US\$ 16,26,142.00 OR INR 1164.00 Lacs** during any of the preceding 03 (three) financial years reckoned from the original bid closing date, irrespective of whether their bid is for all the tendered items or not.
- 2.0 "Net Worth" of the bidder should be positive for the financial/accounting year just preceding to the original bid closing date of the tender (i.e. FY 2018-19).
- 3.0 Considering the time required for preparation of Financial Statements, if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial / accounting year are not available with the bidder, then the financial turnover of the previous three financial / accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that 'the balance sheet/Financial Statements for the financial year 2018-19 has actually not been audited so far'.

Note:

- a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid:-
  - i) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in ANNEXURE-IV.
  - OR
  - ii) Audited Balance Sheet along with Profit & Loss account. In case of Foreign bidders, self-attested/digitally signed printed published accounts are also acceptable
- b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.
- 4.0 In case the Audited Balance Sheet and Profit & Loss Account submitted along with the bid are in currencies other than INR or US\$, the bidder shall have to convert the figures in equivalent INR or US\$ considering the prevailing conversion rate on the date of Balance Sheet and Profit & Loss Account. A CA certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US\$.

**C. COMMERCIAL:**

Commercial Bid Rejection Criteria will be as per Section D of General Terms & Conditions of Global Tender (MM/GLOBAL/E-01/2005) with following Special Bid Rejection Criteria.

- 1.0 Bids are invited under **Single Stage Two Bid System**. Bidders shall quote accordingly under Single Stage Two Bid System. **Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid.** The “Unpriced Bid” shall contain all techno-commercial details except the prices, which shall be kept blank. The “Price Bid” must contain the price schedule and the bidder’s commercial terms and conditions. Bidder not complying with above submission procedure will be rejected.
- 2.0 The prices offered shall 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.
- 3.0 Bids received in physical form against online invitation through e-portal shall be rejected (except the documents specifically called for in hard copies, if any). Similarly, Bids received after the bid closing date and time shall be rejected. Also, modifications to bids received after the bid closing date & time shall not be considered.
- 4.0 Bids containing incorrect statement shall be rejected.
- 5.0 Validity of the bid shall be **minimum 120 days** from the date of actual Bid Closing Date. Bids with lesser validity will be straightway rejected.
- 6.0 **Bid security of INR 33,28,400.00 OR US\$ 46,500.00;** shall be furnished as a part of the TECHNICAL BID. **Any bid not accompanied by a proper bid security in ORIGINAL will be rejected without any further consideration.** A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and/or if the Bid Security validity is shorter than the validity indicated in Tender and/or if the Bid Security amount is lesser than the amount indicated in the Tender.
  - 6.1 For exemption for submission of Bid Security please refer Clause No. 9.8 (Section A) of “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders).
  - 6.2 Bank Guarantee towards Bid Security shall remain valid up to **12.01.2020** .
- 7.0 Bidders must confirm that Goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of twelve (12) months from the date of successful commissioning of the complete package at site, against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplier’s expenses at no extra cost to OIL.
- 8.0 Successful bidder shall be required to furnish a Performance Security equivalent to ten (10%) of total evaluated value of Order, which should remain valid throughout the period execution, including extension, if any and the entire warranty period in line with tender requirement. The successful

bidder shall submit Performance Security within 30 days of award, failing which OIL reserves the right to cancel the order and forfeit their Bid Security. Bidders should undertake in their bids to submit Performance Security as stated above.

- 9.0 Offers should be submitted along with Integrity Pact duly signed by the authorized signatory of the bidder. If any bidder refuses to sign Integrity Pact or declined to submit Integrity Pact with the offer, their bid shall be rejected straightway.
- 10.0 All the tendered items are to be procured from the same source; hence bidders are requested to quote accordingly for all the items, else their bid will be rejected straightway.
- 11.0 Bidders are required to submit the summary of the prices in their price bids as per bid format (Summary), given below:

**(i) Price Bid Format ( SUMMARY ) for Foreign Bidders :**

<b>(A)</b>	<b>Unit Cost of Mud Pump Package :</b>
<b>(B)</b>	<b>Total material cost (Unit Cost X 2) (other than Sl. No. C below):</b>
<b>(C)</b>	<b>Total Cost of Mandatory Spares for 2 Nos of Mud Pump Package:</b>
<b>(D)</b>	<b>Total Material Cost (B+C):</b>
<b>(E)</b>	<b>Pre-shipment Inspection charges, if any:</b>
<b>(F)</b>	<b>Packing and FOB Charges:</b>
<b>(G)</b>	<b>Total FOB Port of Shipment value, (D + E + F):</b>
<b>(H)</b>	<b>Ocean Freight Charges upto Kolkata, India:</b>
<b>(I)</b>	<b>Banking &amp; Insurance Charges @ 1.5% on Total FOB Value vide (G) above:</b>
<b>(J)</b>	<b>Total CIF Kolkata value, (G + H + I):</b>
<b>(K)</b>	<b>IGST @ 5% on (J):</b>
<b>(L)</b>	<b>Compensatory Cess on (K), If any:</b>
<b>(M)</b>	<b>Total CIF + IGST Landed Value (J + K + L):</b>
<b>(N)</b>	<b>Total Installation &amp; Commissioning Charges: (i.e for all 2 Nos. Mud Pump Package)</b>
<b>(O)</b>	<b>GST &amp; Applicable Compensatory Cess If any; on Installation &amp; Commissioning Charges vide (N) above:</b>
<b>(P)</b>	<b>Grand Total value(M + N + O ) :</b>
<b>(Q)</b>	<b>Grand Total value in words:</b>
<b>(R)</b>	<b>Gross Weight :</b>
<b>(S)</b>	<b>Gross Volume :</b>

**(ii) Price Bid Format ( SUMMARY ) for Indigenous Bidders :**

<b>(A)</b>	<b>Unit Cost of Mud Pump Package:</b>
<b>(B)</b>	<b>Total material cost (Unit Cost X 2) (other than Sl. No. C below):</b>
<b>(C)</b>	<b>Total Cost of Mandatory Spares for 2 Nos of Mud Pump Package:</b>
<b>(D)</b>	<b>Total Material Cost (B+C):</b>
<b>(E)</b>	<b>Pre-shipment Inspection charges, if any:</b>
<b>(F)</b>	<b>Packing and Forwarding Charges:</b>
<b>(G)</b>	<b>Total Ex-works value, (D + E + F) above:</b>
<b>(H)</b>	<b>GST on (G) above:</b>
<b>(I)</b>	<b>Compensatory Cess, If any on (H) :</b>
<b>(J)</b>	<b>Total FOR Despatching Station value (G + H + I):</b>

<b>(K)</b>	<b>Inland Freight Charges upto Duliajan, Assam including GST :</b>
<b>(L)</b>	<b>GST included Transit Insurance Charges @ 0.5 % of (J):</b>
<b>(M)</b>	<b>Total FOR Duliajan value, (J + K + L) above :</b>
<b>(N)</b>	<b>Total Installation &amp; Commissioning Charges: (i.e for all 2 Nos. Mud Pump Package)</b>
<b>(O)</b>	<b>GST &amp; Applicable Compensatory Cess If any; on Installation &amp; Commissioning Charges vide (N) above:</b>
<b>(P)</b>	<b>Grand Total Value (M + N + O) :</b>
<b>(Q)</b>	<b>Grand Total value in words:</b>
<b>(R)</b>	<b>Gross Weight :</b>
<b>(S)</b>	<b>Gross Volume :</b>
<b>(T)</b>	<b>Import Content, if any:</b>

**Note :** i) Please indicate HSN Code of the quoted material. Cost of the individual items should be shown separately and total thereto should be shown as called in the Price Bid Format (SUMMARY).

ii) Domestic Bidders must quote inland freight charges upto Duliajan. In case bidder fails to quote inland freight charges, highest freight quoted by domestic bidder (considering pro-rata distance) against this tender or OIL's estimated freight, whichever is higher, shall be loaded to their offer for comparison purpose.

iii) The items covered under this enquiry shall be used by OIL in the PEL/ML areas issued/renewed after 01/04/99 and hence, applicable customs duty for import of goods shall be zero where CIF value is INR 5.00 Lakh and above. However, IGST @5% shall be applicable during import. IGST /Concessional GST @5% shall be applicable for Indigenous bidders also against invoice valuing INR 1.00 Lakh and above. Indigenous bidders must quote Deemed Export prices. OIL will issue Project Authority Certificate (PAC) under Deemed Export benefit, where import content is declared by the bidder for availing Advance Licence for intermediate Supply. However, Indian bidders will not be issued Recommendatory Letter.

iv) Installation/Commissioning charges must be quoted separately on lumpsum basis which shall be considered for evaluation of the offers. These charges should include amongst others to and fro fares, boarding/lodging, local transport at Duliajan and other expenses of supplier's commissioning personnel during their stay at Duliajan, Assam (India).

v) All Income, GST, Corporate, Personal Taxes etc. towards the services provided under installation / Commissioning shall be borne by the supplier and will be deducted at source at the time of releasing the payment.

12.0 Bidder shall accept and comply with the following clauses as given in the Bid Document, failing which bid shall be liable for rejection:

- i) Liquidated Damages
- ii) Warranty/Guarantee of material
- iii) Arbitration / Resolution of Dispute
- iv) Force Majeure
- v) Applicable Laws

## **(II) BID EVALUATION CRITERIA (BEC)**

The bids conforming to the specifications, terms and conditions stipulated in the enquiry and considered to be responsive after subjecting to the Bid

Rejection Criteria will be considered for further evaluation as per General Terms and Conditions for Global Tender and the Bid Evaluation Criteria given below:

- 1.0 The evaluation of bids shall be done as per the Price Bid Format (SUMMARY) provided under (I), (C), BRC Commercial Para 11.0 and detailed below.
- 2.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.
- 3.0 For conversion of foreign currency into Indian currency, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of price bid opening shall be considered. However, if the time lag between the opening of the bids and final decision exceed 3(three) months, then B.C. Selling(Market) rate of exchange declared by SBI on the date prior to the date of final decision shall be adopted for conversion and evaluation.
- 4.0 To ascertain the inter-se-ranking, bid prices shall be converted into Indian Rupees and the comparison of responsive bids shall be made as under, subject to corrections / adjustments, if any.

#### **4.1 When only foreign bidders are involved:**

Comparison of bids will be done on the basis of "TOTAL VALUE" as mentioned in para **11.0, (i), (P) of BRC Commercial** above.

NOTE: \*Banking charge in the country of the foreign bidder shall be borne by the bidder. Banking charge 1% for payment through Letter of Credit. If confirmed L/C at buyer's account is required, 1.5 % will be loaded.

#### **4.2 When only domestic bidders are involved:**

Comparison of bids will be done on the basis of "TOTAL VALUE" as mentioned in para **11.0, (ii), (P) of BRC Commercial** above.

#### **4.3 When both foreign and domestic bidders are involved:**

The Grand Total Value of domestic bidder **as per para 11.0, (ii), (P) of BRC Commercial excluding (K + L) i.e** Grand Total Value of domestic bidder excluding inland transportation charges including GST and Insurance charges including GST worked out as above and Grand Total Value of the foreign bidder worked out **as per para 11.0, (i), (P) of BRC Commercial** will be compared.

Note: When more than one domestic bidders fall within price preference range, inter-se-ranking will be done on Grand Total Value basis. If the Government of India revises these evaluation criteria the same as applicable on the bid closing date will be adopted for evaluation of the offers.

- 5.0 Other terms and conditions of the enquiry shall be as per General Terms and Conditions for Global Tender. However, if any of the Clauses of the Bid Evaluation Criteria (BEC) mentioned here contradict the Clauses in the General Terms & Conditions of Global Tender of the tender and/or elsewhere, those mentioned in this BEC shall prevail.

\*\*\*\*\*



**CHECK LIST**

THE CHECK LIST MUST BE COMPLETED AND RETURNED WITH YOUR OFFER. PLEASE ENSURE THAT ALL THESE POINTS ARE COVERED IN YOUR OFFER. THESE WILL ENSURE THAT YOUR OFFER IS PROPERLY EVALUATED. PLEASE SELECT "Yes" OR "No" TO THE FOLLOWING QUESTIONS, IN THE RIGHT HAND COLUMN.

**A. COMMERCIAL CHECK LIST**

Sl#	REQUIREMENT	COMPLIANCE
1.0	Whether bid submitted under Single Stage Two Bid System?	Yes / No
2.0	Whether quoted as manufacturer?	Yes / No
2.1	Whether quoted as OEM Dealer/ distributor /sole Selling Agent authorized Assembler. To Specify-	Yes / No
2.2	If quoted as OEM Dealer / distributor /sole Selling Agent/ authorized Assembler	Yes / No
	(a) Whether submitted valid and proper authorization letter from manufacturer confirming that bidder is their authorized Dealer / distributor /sole Selling Agent/ authorized Assembler supply House for the product offered ?	
	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	
<b>3.0</b>	<b>Whether ORIGINAL Bid Bond (not copy of Bid Bond) as per Revised Format Sent separately? If YES, provide details</b>	Yes / No
	<b>(a) Amount :</b>	
	<b>(b) Name of issuing Bank :</b>	
	<b>(c) Validity of Bid Bond :</b>	
4.0	Whether offered firm prices ?	Yes / No
4.1	Whether quoted offer <b>validity of 120 days from</b> the bid closing date of tender?	Yes / No
4.2	Whether quoted a firm delivery period?	Yes / No
4.3	Whether agreed to the NIT Warranty clause?	Yes / No
4.4	Whether confirmed acceptance of NIT Payment Terms	Yes / No
<b>5.0</b>	<b>Whether confirmed to submit PBG as asked for in NIT?</b>	<b>Yes / No</b>
<b>5.1</b>	<b>Whether agreed to submit PBG within 30 days of placement of order?</b>	<b>Yes / No</b>
6.0	Whether Price submitted as per Price Schedule of the tender?	Yes / No
7.0	Whether quoted as per NIT (without any deviations)?	Yes / No
7.0	Whether quoted any deviation?	Yes / No
7.1	Whether deviation separately highlighted?	Yes / No
8.0	Whether indicated the country of origin for the items quoted?	Yes / No
8.1	Whether technical literature / catalogue enclosed?	Yes / No
8.2	Whether weight & volume of items offered indicated?	Yes / No
9.0	For Foreign Bidders - Whether offered FOB / FCA port of despatch including sea / air worthy packing & forwarding?	Yes / No
9.1	For Foreign Bidders – Whether port of shipment indicated. To specify:	Yes / No
9.2	For Foreign Bidders only - Whether indicated ocean freight up to Kolkata port (Excluding marine insurance ) ?	Yes / No
9.3	Whether Indian Agent applicable ?	Yes / No

	If YES, whether following details of Indian Agent provided?	
	(a) Name & address of the agent in India – To indicate	
	(b) Amount of agency commission – To indicate	
	(c) Whether agency commission included in quoted material value?	
10.0	For Indian Bidders – Whether indicated the place from where the goods will be dispatched. To specify :	Yes / No
10.1	For Indian Bidders – Whether road transportation charges up to Duliajan quoted?	Yes / No
10.2	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	Yes / No
10.3	For Indian Bidders only - Whether indicated import content in the offer?	Yes / No
10.4	For Indian Bidders only - Whether offered Deemed Export prices?	Yes / No
10.5	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted?	Yes / No
11.0	Whether all BRC/BEC clauses accepted ?	Yes / No
12.0	Whether Integrity Pact with digital signature uploaded?	Yes / No
12.1	Whether all the clauses in the Integrity Pact have been accepted?	Yes / No
12.2	Whether all Financial documents as per BRC Financial have been uploaded?	Yes / No

### **B. TECHNICAL CHECK LIST**

THE FOLLOWING CHECK LIST MUST BE COMPLETED AND RETURNED WITH THE OFFER. ALSO ENSURE THAT ALL THESE POINTS ARE COVERED IN YOUR OFFER. THESE WILL ENSURE THAT YOUR OFFER IS PROPERLY EVALUATED. PLEASE TICK MARK 'YES' OR 'NO' TO THE FOLLOWING QUESTIONS, IN THE RIGHT HAND COLUMN

1	Whether quoted as OEM of Pump and whether documentary evidences submitted to this effect ?	YES/NO
2	Whether quoted as authorised Dealer or authorised supply house or authorised sole Selling Agent of OEM of pump continuously for last five years. If so, has the bidder submitted documentary evidences in this regards ?	YES/NO
3	Whether all BRC/BEC clauses complied ?	YES/NO
4	Whether the Pump offered is rated for continuous operation at full load ?	YES/NO
5	Whether the offered pump design is of “L” Shaped Two piece Design Module /Fluid cylinder ?	YES/NO
6	Whether the input HP of the Pump set is 1600 HP to obtain the desired Hydraulics as per our NIT. ?	YES/NO
7	Whether the pump offered having double helix (herringbone) main gear & pinion Shaft with double helix gear ?	YES/NO
8	Whether the pump set is equipped with belt driven system as asked for ?	YES/NO
9	Whether all supported drawings, catalog comply with the offered pump set as per NIT?	YES/NO
10	Whether auxiliary motors are flame proof and suitable for use in hazardous area?	YES/NO
11	Whether auxiliary motors are CMRI certified and DGMS approved ?	YES/NO
12	Whether detail specifications of Pump set along with technical literature / catalogue /schematic layout (plan & elevation) enclosed with the offer ?	YES/NO
13	Whether the engineering drawing for the D.C. motor foundation pad provided with the offer ?	YES/NO

14	Whether spare parts for the offered pump set will be available for next 15 years from now ?	YES/NO
15	Whether list of Spare parts with part numbers, quantity and unit rate recommended for two years of operation are submitted along with the bid ?	YES/NO
16	Whether bidder is agreed for performance guarantee of the pump set for the period of 12 months from the date of commissioning ?	YES/NO
17	Whether successful bidder will attend to rectify/replace all defective parts of the pump, if any, at site in and around DULIAJAN, ASSAM at free of cost to OIL during warranty period ?	YES/NO
18	Whether bidder is agreed for Pre-dispatch performance Test / inspection of the Pump set in presence of OIL representatives ?	YES/NO
19	Whether separately highlighted any deviation from the technical specification sought for ?	YES/NO
20	Whether the specification of the motor sheave is as per the details of the motor hub drawing provided with NIT ?	YES/NO
21	Whether Test Certificates of Pump set will be submitted along with the supply?	YES/NO
22	Whether the bidder has submitted documentary evidence along with the offer for supplying minimum 1 No of 1600HP or more (Rating 7500 psi or above) Slush pump set complete with DC Motor and drive in last 5(Five) years for drilling rig application	YES/NO
23	Whether the bidder has mentioned about bearing make and bearing number	YES/NO

Signature \_\_\_\_\_

Name \_\_\_\_\_

Designation \_\_\_\_\_

**CERTIFICATE OF ANNUAL TURNOVER & NET WORTH**

TO BE ISSUED BY PRACTISING **CHARTARD ACCOUNTANTS' FIRM** ON THEIR LETTER HEAD

**TO WHOM IT MAY CONCERN**

This is to certify that the following financial positions extracted from the audited financial statements of M/s.....(Name of the bidder) for the last three (3) completed accounting years upto..... **(as the case may be)** are correct

<b>YEAR</b>	<b>TURN OVER In INR (Rs.) Crores/ US \$ Million) *</b>	<b>NET WORTH In INR (Rs.) Crores / US \$ Million ) *</b>

\*Rate of conversion (if used any): USD 1.00 = INR .....

Place:

Date:

Seal

Membership No:

Registration Code:

Signature

**\*Applicable only for GLOBAL tenders**

## TECHNICAL EVALUATION SHEET

TECHNICAL EVALUATION MATRIX (TO BE FILLED IN BY BIDDER DULY SIGNED)			
Technical Evaluation Sheet			
Sl.No	Description	Bidders Comments	OIL's Remark
	1600 HP Triplex Single Acting, Horizontal Piston slush Pump package unitised with suitable Electric D.C.Motors, dual rear mounted, banded V-belt drive, with other necessary accessories, skidded and master skidded.( Pump skid should be securely fastened on an oilfield type master skid)		
1	<b>Pump</b>		
	<b>A) Type Of Pump:</b>		
	Slush Pump, Triplex Single Acting, Horizontal Piston Pump with individual 2(two) piece "L" shaped(separate) interchangeable forged alloy steel Modules and replaceable cylinder Liners of various sizes in steps of 1/2"(15mm) from 7-1/2" to 4-1/2" diameter to obtain desired discharge and pressure at rated SPM, having double relieved herringbone crankshaft and a pinion shaft gear.The pump must be driven by dual end mounted electric D.C.Motor with banded V-belt drive, complete with standard accessories mounted on an oil-field type minimum 3(three) runner skid, skidded on a master skid for on shore Drilling Rig. (The pump skid should be securely fastened on oil field type master skid)		
	<b>B) Capacity of The Pump:</b>		
	i) Input Horse Power - 1600 (Min) at rated SPM.		
	ii) Discharge at rated SPM with replaceable liners and pistons - Min. 2700 litres/min(600 Imp GPM) at 210 kg/cm <sup>2</sup> (3000PSI) and min. 1124 liters/min (297 Imp.GPM) at 527.2 kg/cm <sup>2</sup> (7500 PSI). <i>Note:</i> Liners to be fitted on the pump at the time of supply should be such to obtain minimum 2700 litres/min (600 Imp. GPM) discharge at 210 kg/cm <sup>2</sup> (3000PSI) pressure.		
	<b>C) Various Features of The Pump:</b>		
	i) Fully enclosed fabricated steel plate (ASTM A-36 or equivalent) power end.		
	ii) Double relieved forged alloy steel Herringbone (double helix) type main gear.		
	iii) One piece Forged steel double extended pinion shaft with double helix gear.		
	iv) One piece forged steel crankshaft, with press fitted and keyed crank shaft lobes.		
	<i>Note:</i> Bearings of the pump must be of make Torrington / SKF / FAG/ NTN/ARB.		
	v) Provision for manual rotation of the crankshaft externally for maintenance purpose.		

vi) Individual separate, forged alloy steel (AISI 8630 / 4130 /equivalent), autofrettage, and completely interchangeable fluid end modules having separate valve pots (API MOD.7) in each module (for both suction & discharge).		
vii) Fast change type screwed valve covers.		
viii)Two-piece design fast change piston rods with clamp.		
ix) Suction manifold with suction stabilizer or suction dampener assembly and Discharge manifold /connector with discharge pulsation dampener.		
x) Piston-Liner Cooling / lubrication spray system that includes A.C. 3PH, 50 Hz.Flame proof (Ex-d type) with IP55 protection & insulation type B electric motorsuitable for use in hazardous area classification zone-I, gas group IIA & IIB;suitable pump for liner spray; lubricant reservoir with suitable piping connection.		
xi) Pump fitted with liners (API 7) held rigidly in place with a two-bolt retention clamp, premium pistons, valve seats (API 7), centre guided valve with polyurethane insert.		
xii) Crankcase Lubrication system should be splash type or forced lubrication.		
xiii) Suction connection should be 10" (250mm), ASA-150		
xiv) Discharge modules should be interconnected so as to make a smooth discharge flow through strainer cross; 5" API 7500psi, R.J.Flanged on one end and provide valve & bleed line connection on the other end.		
xv) Pump sheaves should be compatible for Gates 8-8VP-3150 power belt.		
xvi) The pump should be complete with all the components of fluid end and power end, mounted on a sufficiently strong skid (base skid) skidded on a another oil field type skid(mother skid)having standard design for self loading at both ends and base skid should be strongly anchored with the main pump skid (mother skid). The total length of skid should not be more than 7600mm. There should be proper lifting arrangement on the pump also.		
xvii) Detailed technical drawing of the base skid and mother skid are to be submitted along with the offer for our approval. Detailed GA drawing of the pump set along with dual rear mounted motors, pump drive and their accessories are to be submitted along with the offer.		
xviii) The dimensions of the complete pump with mother skid should be within 7600 mm long x 2900 mm wide x 2500 mm height and the total package weight must not exceed 37,600kg. Justification is required if the above limiting dimensions cannot be met.		
xix) One complete valve seat puller assembly suitable for above mentioned valve seat and one set of special hand tools for fluid end maintenance (i.e valve pot tool, wrench for valve cover, for studs on the hydraulic cylinders ,strainer cross & discharge pulsation dampener etc) must be included with pump set to be supplied.		
xx) One no tool for manual rotation of the pump for maintenance. Refer C (V)		
xxi) 2 No additional belt for pump set to be supplied along with the pump. The belt make and size should be same as offered with the pump.		

xxii) Suitable analogue type belt tension meter & belt alignment meter with complete operation & maintenance manual, 1no.per pump to be supplied along with the pumps.		
xxiii) Suitable Suitable Stroke Counter Meter should be provided in each pump.		
<b>D) Accessories :</b> The Slush Pump package should be assembled with the following accessories:		
i) A high pressure discharge strainer cross assembly complete with the following features:- a) Suitable Strainer, 5" (125mm). b) 1 no of 5" (125mm) API 7500psi RJ end connection with weld neck flange (4.063"/104mm bore) for discharge line, 1no.of 7500 PSI (527.3 kg/cm <sup>2</sup> ) WP forged steel elbow must be supplied welded, one end with the weld-neck flange & the other end with 1no. 4" (100mm) NB X 8" (200mm) long screwed APILP nipple. c) 1 no 4" (100mm), API 7500 psi RJ flanged connection at the top with studs & nuts for pulsation dampener. d) 1 no 5" (125mm), API 7500 psi RJ end connection with blind flange for strainer clean out. e) 1 no 5" (125mm), API 7500 psi RJ end connection with flange having 2" (50mm) APILP screwed connection for pressure gauge.		
ii) A discharge pulsation dampener assembly (Make: Hydril, or equivalent with interchange ability of spare parts with Hydril make) with the following features: a) Maximum service pressure: 527.3kg/cm <sup>2</sup> (7500PSI). b) Surge capacity: 75 litres (20 gallons) c) Bottom connection: 4" (100mm), API 7500# RTJ flanged. d) Diaphragm: Hydrogenated Nitrile.		
iii)Charging hose assy.with pressure gauge for Nitrogen gas charging to pulsation Dampener		
IV) Pressure gauge of Make: Oteco, Model: 7, Type-D having following features: a) Pressure range: 0-703.07 kg/cm <sup>2</sup> (0-10,000PSI) b) Connection: screwed female 2" (50 mm) APILP threaded		
v) Manual Reset Relief Valve of Make: Oteco, Type-B or Retsco having following features: - a) Pressure range: 105-527.3 kg/cm <sup>2</sup> (1500-7500PSI) b) Connection: screwed female 3" (80 mm) APILP threaded		

	<p>vi) Bleed line accessories should be included with the following items:</p> <p>a) 5" (125mm), API 7500# RJ flange with 3" (80 mm) APILP screwed connection. 2Nos. of which 1 No. is directed to the mud tanks and the other directed towards the power end for bleeding other fluids.</p> <p>b) Flex seal type 3" (80 mm), 527.3kg/cm<sup>2</sup> (7500PSI) flanged mud Gate valve (Make: Oteco or Demco) QTY :- 2Nos.</p> <p>c) Flex seal type 2" (50 mm), 527.3kg/cm<sup>2</sup> (7500PSI) flanged mud gate valve (Make: Oteco or Demco) QTY :- 2Nos.</p> <p>d) Nipple, 3" (80 mm) NB x 6" (150 mm) long, 527.3kg/cm<sup>2</sup> (7500PSI) screwed APILP thread both ends QTY :- 7 Nos.</p> <p>e) Equal Tee, FCS, 3" (80 mm) NB, 527.3kg/cm<sup>2</sup> (7500PSI), and screwed female APILP thread. QTY :- 3 Nos.</p> <p>f) Reducer, FCS, 3" (80 mm) NB x 2" (50 mm) NB x 6" (150 mm) long, 527.3kg/cm<sup>2</sup> (7500PSI), screwed male APILP thread. QTY: 2Nos</p> <p>g) 3" (80 mm), API 7500# RTJ screwed APILP flange. QTY:- 2 Nos.</p> <p>h) 2" (50 mm), API 7500# RTJ screwed APILP flange. QTY:- 2 Nos.</p> <p>i) Elbow, FCS, 3" (80mm) NB, 527.3kg/cm<sup>2</sup> (7500PSI), screwed female APILP thread. QTY: -3 Nos.</p>		
	vii) Jib crane with trolley installed on each pump to handle fluid end parts.		
	viii) Hand hoist, ½ ton (500kg), LH, 2.5 m (8ft.) lift for use with Jib Crane.		
	ix) API monogrammed ring joint gaskets of required quantity with additional 1 no of each should be provided.		
<b>2</b>	<b>Pump Drive and Motor Skid</b>		
	Slush pump should be driven by dual rear mounted D.C electric motors with the help of banded power V-belts. Pump with skid (Pump Skid), 2 No D.C. motors with skid (motor skid), motor supports, tensioning screws, belt guards (two piece detachable type belt guards for easy opening of belts from motor sheaves) to be mounted on the master skid. Pump is to be fitted with suitable QD hub type 8V belt section sheaves (including hub) at both sides of the pump. Motors are to be fitted with suitable sheaves including hub, refer (enclosed drawing). Pump drive should be complete with Gates make (preferably) banded 8-8VP-3150 power banded V-belt.		
<b>3</b>	<b>Specification of D.C. Motor along with blower QTY-2</b>		
	3.1 Type and rating of motor:		
	3.1.1 DC MOTOR Qty – 2 Nos 1000 HP drilling motor; single shaft extension, heavy duty, direct current, four pole, separately excited shunt field machine provided with interpoles and TIG welded, lap wound fully equalized armature coil connections. Motor should be rugged, field proven and suitable for oilfield duty, and be used to drive Draw Works / Rotary / Mud Pump.		



<p>i. Continuous Rating: 1000 HP @ 1050 RPM, 750VDC, 1050Amps, 45 Deg C ambient.</p> <p>ii. One hour rating: 1040 HP @ 1100 RPM, 750VDC, 1100 Amps</p> <p>iii. Max Values - 830 VDC, 1300 Amps, 1300 RPM</p> <p>iv. Torque - 7500 lb-ft (nominal)</p> <p>v. Field - Separately excited Shunt Field with interpoles</p> <p>vi. Excitation - Adjustable up to 60 Amps</p> <p>vii. Insulation Level 1300 Volts</p> <p>viii. Insulation Class - Class - "H" both on armature and field coils</p> <p>ix. Cooling / Ventilation - Type IC06 - Forced Ventilation by blower unit mounted on motor frame. Air flow 2900 cfm (with static pressure of 210 mm WG)</p> <p>x. Rotation - Bi-directional</p> <p>xi. Air Flow Relay - One air flow relay to monitor air flow from the blower unit, fitted with 1 NO + 1 NC auxiliary changeover contact. Contact rating - 5A, 230 VAC. This relay should be located preferably in the Blower housing.</p> <p>xii. Weight of motor with blower - 3500 Kg (approx)</p> <p>xiii. Make and model - Should be identical in all respects to BHEL DC motor Model 4903 CX, to ensure interchange ability with existing motor range.</p> <p>xiv. Motor Terminal Box - Pressurised type</p> <p>xv. Position of motor terminal box - for one motor on LHS, and for other motor on RHS; looking from the drive end towards the NDE</p> <p>xvi. Cable entry glands - Single compression cable glands, suitable for 300 mm<sup>2</sup> EPR/ EVA/HOFR single core, un-armoured cables. Unused cable entry ports should be plugged.</p>		
---	--	--

	<p>xvii. Connections:</p> <p>a. Power Cable Connections: Located at the Motor Terminal Box.</p> <p>i) Socket / Connector for Power Cable shall have lockable type terminals and shall be suitable for Pin Type Cable Lugs</p> <p>ii) Power Cable Socket terminals shall be rated for 300 mm<sup>2</sup> size single core EPR / EVA/HOFR cable having Pin Type Cable Lugs.</p> <p>iii) All the Power Cable Socket/ Connector fittings shall be made of Copper. Make - Pyle National or equivalent.</p> <p>b. Control Cable Connections:</p> <p>i) One number 20 pin control socket with male pins shall be provided at the Motor Terminal Box .</p> <p>ii) Make: Pyle National. It is required to ensure interchangeability with existing motor range.</p> <p>c. Connections should be plug-in type for both power and control cables. All control connections to be terminated on suitably rated and properly labeled TB inside the cable box.</p> <p>d. All cable entry should be from bottom of Terminal box</p> <p>xviii. Cut-out switch to be provided on frame or Terminal Box to electrically isolate the motor during servicing / repair.</p> <p>xix. Space (Anti-condensation) Heater - 225 Watts, 230 V single phase space heater.</p> <p>xx. Mounting - Horizontal foot mounted</p> <p>xxi. Indicative Make - BHEL</p> <p>xxii. Motors to be similar as per our existing Motor, the details of which are given below</p> <p>xxiii. DC Motor footprint and other details (Electrical and mechanical) should exactly match with M/S BHEL make DC motor, 1000HP, model 4903CX, for compatibility and replacement with existing motors.</p>		
	<p>3.1.2 Power Supply for DC Motor:</p> <p>i) The DC motors will be run from AC-SCR panels inside PCR's of Drilling Rigs. DC power supply from these panels is controlled by Hill-Graham designed drives called "DC Modules". Field excitation supply for the motors is also from Hill-Graham design field excitation PCB modules. Bidders are advised to ensure that offered DC motors can be run from these sources.</p> <p>ii) Bidders shall note that Maximum Current Limit of DC Modules of existing AC-SCR Panel is 1500 Amps. The bidder shall confirm in the bid that the offered Slush Pump shall be designed to operate within this limit.</p>		
	<p>3.1.3 Submission of Drawings:</p> <p>Detailed dimensional/GA drawings of the DC motor including foot-print, shaft height (with accessories like blower unit, coupling hub etc.), wiring diagram of the DC motor terminal block (to control socket) and DC motor characteristics shall be submitted by the bidder along with the bid/quotation.</p> <p>Drawings shall be approved by OIL before actual assembly.</p>		
	<p>3.1.4 Coupling Hub:</p> <p>Motor should be fitted with a coupling hub as per drawing (copy enclosed in the attachment) and suitable sheaves (see section on pump for details of sheaves).</p>		

	3.1.5 Mounting pads: DC motor shall preferably be mounted on adjustable pads.		
	<p>3.1.6 Constructional features of DC motor:</p> <ul style="list-style-type: none"> <li>i) Cast cum fabricated magnet frame design and box type rugged frame construction with mounting feet</li> <li>ii) High quality electrical varnished sheet steel for armature punching</li> <li>iii) Armature endplate with fan effect for providing better ventilation</li> <li>iv) Commutator to be built up from silver bearing copper &amp; mica segments and clamped by Commutator spider and V-ring with 'V' ring insulations made from alkyd vinyl mica bonded material. Commutator to be of arch-bound construction.</li> <li>v) Tungsten inert gas (TIG) welding for commutator riser parts for high temperature withstand and better reliability</li> <li>vi) Proven insulation system with VPI resin for armature &amp; field coils</li> <li>vii) Flexible cable connections for brush gear &amp; compole coils to provide against vibration</li> <li>viii) Split carbon brushes with rubber tops</li> <li>ix) Arcing horns &amp; arching rings for creating an arcing gap direct to earth and to protect the commutator in the event of flashover</li> <li>x) Bottom cable entry</li> <li>xi) Splash guards on air outlet</li> <li>xii) Standard drive hub, shrink fitted on tapered seating over shaft extension</li> </ul>		
	3.2 BLOWER: Qty – 2Nos, mounted on DC motor		

	<p>Centrifugal type Blower unit should be mounted on DC motor frame, and driven by one AC motor for pressurizing, cooling and purging the DC motor and cable box. Blower motor speed is constant, independent of DC motor speed.</p> <p>i. Fan speed - 2880 RPM, capacity - 2900 cfm; Static pressure - 210 mm WG.  ii. Direction of discharge - counter clock-wise, down blast.  iii. Rating of motor - 7.5 HP, 3 Phase, 415 Volts, 50 Hz, Continuous rated Squirrel cage Induction motor.  Note:  a) Existing Motor Control Panels of Blower Motors are rated for 7.5 HP. Hence, the bidder shall note that the rating of the Motor shall preferably be 7.5 HP. In no case the rating of the Blower Motor shall exceed 10 HP.  b) The bidder shall note that the Blower Motor shall be rated for 3 Phase, 415 Volts, and 50 Hz system.  iv. Insulation Class - "F"  v. Motor Speed - 3000 RPM (synch)  vi. Motor frame size - 132M  vii. Connections - All connections to be through double compression FLP cable glands suitable for unarmoured EPR cables of OD 16 mm. Unused cable entry ports should be plugged.  viii. Air Flow Relay - One air flow relay to monitor air flow to the DC motor from the blower unit, fitted with 1 NO + 1 NC auxiliary changeover contact. Contact rating - 5A,230 VAC  ix. Direction of rotation should be marked prominently on the outer surface of the blower unit.  x. Enclosure:  a. IP 55 and FLP (Confirming to IS 2148; IS / IEC 60079-1).  b. Enclosure should be FLP type and should be suitable for use in hazardous areas of Zone I and Gas group IIA &amp; IIB of Oil Mines and shall conform to IS/IEC/EN:60079-0:2011 &amp; IS/IEC/EN:60079-1:2007. The bidders shall submit test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility. Bidder shall provide copies of above test reports along with technical bid and with the supply of Materials.  In case such Test reports/Certificates are not available at the time of submission of Bid, the same shall be submitted at the time of inspection or before dispatch. The bidder shall categorically confirm the same in their offer. Failing to submit above test reports/ Certificates, dispatch clearance shall not be given.  c. Indicative Make - Crompton Greaves / Kirloskar / Bharat Bijlee</p>		
--	---	--	--

	<p>3.3 AUXILIARY MOTORS (AC) Qty – As per design  All motors for auxiliary lubrication pump (if any) and liner flushing pump to be supplied along-with the slush pump, and rated as follows:  i. Type - Squirrel cage induction motor  ii. Voltage 415VAC, 3 phase 3 wire (no neutral), 50 Hz  iii. Insulation Class: "F"  iv. Power - to be decided by manufacturer / supplier of slush pump, but limited to 5 HP for each motor.  v. Speed - Preferred speed is 1500 RPM.  vi. All the Auxiliary Motors shall be FLP type and should be suitable for use in hazardous areas of Zone I and Gas group IIA &amp; IIB of Oil Mines-2017 and shall conform to IS/IEC/EN:60079-0:2011 &amp; IS/IEC/EN:60079-1:2007 as per clause no. 107 of OMR-2017 and subsequent notifications of DGMS. The bidders shall submit test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility. Bidder shall provide copies of above test reports along with technical bid and supply of Materials.  In case such Test reports/Certificates are not available at the time of submission of Bid, the same shall be submitted at the time of inspection or before dispatch. The bidder shall categorically confirm the same in their offer. Failing to submit above test reports/ Certificates, dispatch clearance shall not be given.  vii. Terminal box - fitted with double compression gland (FLP type) suitable for cable OD of 14mm (Cable used shall be EPR/EVA insulated).  Unused cable entry ports should be plugged.  viii. Standard used - IS 325; IS/IEC/EN:60079-0:2011 &amp; IS/IEC/EN:60079-1:2007.  ix. Indicative Make - Crompton Greaves / Kirloskar / Bharat Bijlee</p>		
	<p>3.3.1  i. Motors shall be mounted on adjustable pads, to allow mounting of motors with different footprint and frame size. However, in all cases, the terminal boxes should have adequate space in front of the terminal boxes.   ii. The detailed engineering drawing for mounting of DC motors (foundation pad) should be submitted along with the offer /bid.</p>		
	<p>3.4 The detailed drawing for the DC motor foundation pad on the skid to be provided along with the offer. Both DC motors must have adequate clearance from the pump body.</p>		

	<p>3.5.1 Accessories (to be supplied): Each Motor shall be fitted with following Accessories:  i. Single compression cable glands, suitable for 300 mm2 single core EPR insulated cable.  Quantity: 2 nos. for fitting on DC motor Terminal box.  ii. Double Compression cable glands-  Qty and size to be matched with the AC motors.  iii. Pyle National make 20 pin socket for control Cable connection to be fitted at the Motor Terminal Box Quantity: One Number .It is required to ensure interchangeability with existing motor range.  iv. Pin Type Cable lug along with socket/ Connector for 300 mm2 single core EPR insulated cable.  Quantity: 2 sets</p>		
	<p>3.6.1:  Spares:  i) A list of spares, with prices, for all motors (AC &amp; DC) should be supplied along with the bid.<b>(Note: Without any Price details in the Technical Bid and separately indicating Prices in the Priced Bid This will not be considered for evaluation.</b> This list should cover spares requirement for all motors (AC and DC) forming part of the bid.</p> <p>3.6.2.: In addition to above accessories, Each Motor shall be supplied with following spares and accessories:  i. Single compression cable glands, suitable for 300 mm2 single core EPR insulated cable for fitting on DC motor Terminal box.  Quantity: 2 nos.  ii. Double Compression cable glands: size to be matched with the AC motors.  Quantity: One for each Motor.  iii. Pyle National make 20 pin socket for control Cable connection to be fitted at the Motor Terminal Box  Quantity: One Number. It is required to ensure interchangeability with existing motor range.  iv. Pin Type Cable lug along with socket/ Connector for 300 mm2 single core EPR insulated cable.  Quantity: 2 sets  v. Carbon Brush: To be used at supplied DC Motors.  Quantity: 1 set ( 1 set Carbon brush set shall contains adequate no of Carbon brushes required for 1 Motor)</p> <p>3.6.3. Handling Tools and Tackles:  The bidders shall specifically mention the tools and tackles required for maintenance of offered DC Motors and the auxiliary AC Motors.</p>		
	<p>3.7 O&amp;M Manuals &amp; Test reports:   Reports of tests conducted on the motors (Type / Routine / Load tests) shall be provided to Oil India along with the supply of the motors.</p>		

	<p>3.8 Packing All Electrical components (Motors etc.) shall be packed suitably to avoid ingress of moisture and to withstand the rigours of travel, as well as storage before final commissioning.</p>		
	<p><b>3.9 Test Certificates</b></p> <p>Potential bidders should take special note of the following essential requirement:</p> <p><b>3.9.1</b> All AC Auxiliary Motors along with Cable glands , Junction Box shall be of FLP type and should be suitable for use in hazardous areas of Zone I and Gas group IIA &amp; IIB of Oil Mines and shall conform to IS/IEC/EN:60079-0:2011 &amp; IS/IEC/EN:60079-1:2007 as per clause no. 107 of OMR-2017 and subsequent notifications of DGMS. The bidders shall submit test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility. Bidder shall provide copies of above test reports along with technical bid and supply of Materials.</p>		
<b>4</b>	<b>OTHERS:</b> Following details are to be submitted along with the offer.		
	I) Quotations shall be accompanied by detailed technical specifications of the pump, D.C motor (capacity, design, size etc.), dual rear mounted V-belt drive including sheaves, DC motor skid, Pump skid & Master skid , V-belt guards, pump and electric motors for liner flushing, delivery & suction dampener, pressure relief valve, pressure gauge, flex seal mud valve etc.		
	II) Quotation shall also be accompanied by manufacturer's printed specification sheets, literature, detailed dimensional drawings including foot-print, shaft height (with accessories) etc , layout drawings & catalogues . Complete technical details of pump & motor.		
	III) The Bidder must confirm every details of Electrical items as mentioned above. Any deviations must be clearly mentioned which shall be scrutinized for acceptability. However acceptance of deviations is on the discretion of OIL. Specific type and make of components must be mentioned clearly. The bidders shall summarize the deviations / modifications separately in their offer with a heading "Deviations/ Modifications". <b>Otherwise they will write "NO DEVIATION FROM ENQUIRY"</b> .		
	IV) A schematic layout (plan and elevation) of the pump set offered showing outline of master skid, pump with skid, motor with skid, dual rear mounted motors, pump drive and their accessories.		
	V) The performance chart of the reciprocating pump indicating all technical calculations such as hydraulic horsepower, volumetric efficiency, rpm, gear ratio etc.		
	VI) The offer must be supported with performance guarantee of the pump for a minimum period of 18 months from receipt or 12 months from the date of commissioning whichever is earlier.		

	<p>VII) If the bidder is other than OEM, then the bidder has to provide certificate for the following from OEM :</p> <p>a) Bearings as required in the above technical specifications.</p> <p>b) Pump offered with two piece design "L" shaped Module (Fluid cylinder).</p> <p>c) Hydraulic Test certificates of High pressure fittings &amp; accessories..</p>		
	<p>VIII) Specific confirmation from the bidder for installation and commissioning of slush pump set at OIL's work site at a radial distance of 50 KM from Duliajan, Assam, India. Supplier shall arrange for tools, manpower, materials and any other requirement on their own. Supplier shall arrange boarding and lodging of their personnel for commissioning jobs</p>		
	<p>IX) List of spare parts with part no., quantity and unit rate recommended for 02 years of operation should be provided along with the offer.</p> <p><b><u>(Note: Without any Price details in the Technical Bid and separately indicating Prices in the Priced Bid)</u></b></p>		
	<p>X) Specific confirmation ensuring uninterrupted supply of spares for all items including accessories for a minimum period of 15 years.</p>		
	<p>XI) During the guarantee /warranty period, the supplier has to attend / rectify all defects of the pump at site in and around Duliajan, Assam and replace / repair (including supply of spares) all malfunctioning components free of cost to OIL. For any such breakdown, guarantee /warranty period will be extended to the equal no. of days of breakdown.</p>		
	<p>XII. The following spare parts and tools should be included in the scope of supply. These spare parts are to be quoted separately with individual part numbers and prices thereof. The cost of these spares will be considered for evaluation of the offers. However M/s OIL INDIA LIMITED reserves the right to decide whether to purchase these spare parts along with the pump or not.</p>		



	<p><b>Mandatory spare parts for each offered pump (35 items)</b></p> <ol style="list-style-type: none"> <li>1. Liner 7-1/2": 06 No</li> <li>2. Liner 6": 06 No</li> <li>3. Liner 4-1/2": 09 no</li> <li>4. Piston Assembly 7-1/2": 12 No</li> <li>5. Piston Assembly 6": 6 No</li> <li>6. Piston Assembly 4-1/2": 15 No</li> <li>7. Piston Rod complete: 3 No</li> <li>8. Valve seat : 50 No.</li> <li>9. Valve assy. with polyurethane insert: 100 No</li> <li>10. Valve Insert (polyurethane) : 50 nos</li> <li>11. Valve spring : 48 No.</li> <li>12. Valve cover gasket : 100 No</li> <li>13. Liner gasket, 7-1/2" : 20 no</li> <li>14. Liner gasket, 6" : 12 no</li> <li>15. Liner Gasket, 4-1/2": 12 no</li> <li>16. Wear plate gasket : 12 No</li> <li>17. Wear plate : 3 No</li> <li>18. Module / Fluid Cylinder (Suction)with seals : 3 No</li> <li>19. Module / Fluid Cylinder (Discharge)with seals: 3 No</li> <li>20. Compatible Valve seat puller assembly: 1No (Type &amp; Make to be specified)</li> <li>21. Banded power belt: 2 set (Type &amp; Make as offered with the pump)</li> <li>22. Discharge interconnections/ manifold : 1 set</li> <li>23. Suction manifold with seal &amp; companion flanges: 01 no</li> <li>24. Suction diaphragm (if provided): 01 No</li> <li>25. Belt Tension meter: 01 no</li> <li>26. Belt Alignment meter: 01 no</li> <li>27. Intermediate rod oil seal: 12 nos</li> </ol>		
--	--	--	--

	<p>28. Pinion Bearing Oil seal: 02 nos  29. 5"Discharge Strainer Cross (7500psi rating) with studs: 01 no  30. Discharge Pulsation dampener K20-7500 model: 01 no  31. Discharge Dampener Bladder, Stabilizer &amp; Charging valve: 01 no  32. Safety Reset Relief Valve (1500-7500psi),Type-B: 01 no  33. Swipe of 135 degree with weld –neck 5"RJ flange on one end &amp; 4" (100mm) NB X 8" (200mm) long screwed APILP nipple on other end(7500psi) : 01 no  34. Pressure Gauge (0-10000psi),Type-D: 01 no  35. External Lube pump(if provided): 01 no</p> <p><b><u>(Note: Without any Price details in the Technical Bid and separately indicating Prices in the Priced Bid)</u></b></p> <p>Any other maintenance spares that may be necessary during an initial period of two years should be quoted; however, the same will not be taken for evaluation.</p>		
	<p>xiii)The bidder has to submit Technical checklist and datasheet for electrical parts which are attached alongwith their offer.</p>		
	<p>xiv) Any deviation(s) from the tender specification should be clearly highlighted specifying justification in support of deviation.</p>		
	<p>xv) Pump, Motors and other accessories must be new and in unused condition. Bidder has to ensure the same in their offer.  <b>Note: Offer not complying with above points i.e.4.0 (i) through 4.0(xiii) shall be treated as non-responsive and offer will be rejected.</b></p>		
5	<p><b>Terms &amp; Conditions:</b></p>		
	<p>5.1 Inspection &amp; Tests:</p>		
	<p>i) Pump with motor and other accessories may be subjected to inspection during assembly or 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 conforms to correct specifications.</p>		
	<p>ii) The complete pump with motor will be inspected and performance tested as required by a team of 2/3 engineers from OIL at the supplier's works. The supplier should give inspection call well in advance (at least 3 months). Non- compliance of this clause by the bidder will be rejected. The cost of pre despatch inspection if any should be mentioned separately in their offer. However, fares, boarding/ lodging etc for our Engineers to carry out the inspection will be borne by OIL. If the country of origin of the pump and the motor is different, then the pump and the motor will be inspected in the respective manufacturer's works separately. However, pump manufacturer should make necessary arrangements for inspection of the pump under load at their works.</p>		
	<p>iii) The supplier shall carryout ultra-sonography /radiography testing for entire welding zone. The supplier shall also carryout physical &amp; chemical testing of various material used.The supplier shall submit records and certificates of such tests to the purchaser in quadruplicate during the time of pump inspection.</p>		

	5.2 Operation and Maintenance Manuals :Operation and Maintenance manuals for the pump and Motors (for both the DC & AC blower motors) shall be submitted along with the supply of pump set (3 copies for pump and 3 copies for each of the motors). Total 4 (four) sets of soft copies (in compact disc format)/ flash memory format of the manuals shall also be submitted along with the pump set.		
6	<b>Commissioning:</b> Successful bidders will be responsible for installation, and commissioning of the complete pump package. The expected date of commissioning shall be informed by OIL after the pump is transported to site (estimated to be commissioned within 3 months from receipt at site). <b>Bidder must quote separately for installation/ unitization/ commissioning charges if any which shall be considered for bid evaluation.</b> This charge should include the to and fro charges, food & lodging and daily charges of the personnel. OIL may provide accommodation (on payment basis) subject to availability.		
7	<b>Special Terms and Conditions:</b> The Bidder must confirm every details of Electrical items as mentioned in above Annexure A. Any deviations must be clearly mentioned which shall be scrutinized for acceptability. However acceptance of deviations is on the discretion of OIL. Specific type and make of components must be mentioned clearly. The bidders shall summarize the deviations / modifications separately in their offer with a heading "Deviations/ Modifications". Otherwise they will write "NO DEVIATION FROM ENQUIRY".		

**ANNEXURE - VI**

<b>TECHNICAL EVALUATION MATRIX (TO BE FILLED IN BY BIDDER DULY SIGNED)</b>			
<b>BID EVALUATION CRITERIA</b>			
Sl.No	Description	Bidders Comments	OIL's Remark
	The bids shall conform generally to the specifications, terms and conditions given in the tender. Bids shall be rejected in case the items offered do not confirm 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 & conditions, the following requirements will have to be particularly meet by the bids, without which the offer will be considered as non-respective and rejected.		
1	<p><b>I. BID REJECTION CRITERIA (BRC)</b></p> <p><b>(A) TECHNICAL:</b></p> <p>1.0 Bidder's Qualification:</p> <p>1.1 The bidder should either be an:</p> <p>A. <b>OEM [original equipment manufacturer ] of Pump</b></p> <p style="text-align: center;">OR</p> <p>B. <b>Authorized dealer / distributor /sole Selling Agent of OEM of Pump</b></p> <p style="text-align: center;">OR</p> <p>C. <b>OEM [Pump] authorized Assembler of Pump package.</b></p>		
	<b>1.1.1 If the bidder is an OEM of the Pump, then the following criteria must be fulfilled:</b>		

i) The bidder must be an OEM of pump since last 05(five) years reckoning from the original bid closing date. Documentary evidence to that effect must be submitted along with the offer.

ii) Bidder must purchase the DC/AC Motor, drive & other accessories from the OEM or respective authorized dealer of these items. The purchase documents of DC/AC Motor and drive & other accessories from the OEM or authorized dealer must be submitted along with the supply of pump sets. Bidder must confirm compliance of this in the technical bid.

iii) The bidder has to provide documentary evidence along with the offer for supplying minimum 1 No of 1600HP or more (Rating 7500 psi or above) Slush pump set , complete with DC/AC Motor and drive in last 5(Five) years for drilling rig application . Documentary evidence in respect of the above should be submitted in the form of copies of relevant purchase orders along with copies of any of the documents in respect of satisfactory execution of each of these purchase orders such as

- a. Satisfactory inspection report OR
- b. Satisfactory supply completion /Installation report OR
- c. Consignee receipt delivery challan OR
- d. Central excise gate pass / tax invoice issued under relevant rules of central excise /VAT OR
- e. Any other documentary evidence that can substantiate the satisfactory execution of each of the purchase order cited above.

Note: The Purchase Order date need not be within 5 (five) years preceding the original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender. Order copy to be enclosed with relevant page number bearing signature of purchaser or authenticated by purchaser. Satisfactory supply / completion report should be issued on company's letterhead with signature and stamp.

iv) DC Motor footprint and other details (Electrical and mechanical) should exactly match with M/S BHEL make DC motor, 1000 HP, model: 4903CX for compatibility and replacement with existing motors.

v) Bidder quoted as manufacturer must guarantee uninterrupted supply of spares and availability of service for at least 15 years with effect from delivery of the Item / product for the item / product to be

	<p>supplied under the Tender / Order, if order is awarded to them by OIL.</p> <p>vi) Bidder should categorically confirm in the technical bid a delivery schedule within <b>Eight (08)</b> months, FOB Port of dispatch, after establishment of letter of credit (in case of foreign bidder) or for dispatch of the equipment within <b>Eight (08)</b> months after receipt of formal order (in case of indigenous bidder) failing which their offer will be rejected. Bidder should also categorically confirm in the technical bid that installation and commissioning shall be done within <b>Three (03)</b> month after receipt of site clearance from OIL.</p> <p>vii) If the bidder is a manufacturer and supplied the tendered items to OIL in the last 5 (five) years as on original bid closing date either by themselves or through their distributor/dealer and whose past performance has been satisfactory, the bidder need not satisfy Claus 1.1.1 (iii). In this situation the bidder shall have to indicate the Purchase Order (P.O.) No. of OIL in their technical bid.</p>		
	<p><b>1.1.2 If the bidder is an Authorized dealer / distributor / sole Selling Agent of OEM of Pump, then the following criteria must be fulfilled:</b></p> <p>i) The bidder must be an Authorized dealer / distributor / sole Selling Agent of OEM of Pump since last 05(five) years reckoning from the original bid closing date. Authorization certificate from the manufacturer (in original on manufacturer's letter head) should be submitted along with the technical bid.</p> <p>ii) Bidder must purchase the Pump from their OEM and DC/AC Motor, drive and other accessories from the respective OEM's or authorized dealers of these items. The purchase documents of Pump, DC/AC Motor, drive and other accessories from the OEM's or authorized dealers must be submitted along with the supply of Pump package. Bidder must confirm compliance of this in the technical bid.</p> <p>iii) Undertaking from the manufacturer of pump (in original on manufacturer's letter head) guaranteeing supply of items to the bidder in the event of an order on the bidder. This certificate should be valid at the time of bidding and should remain valid during the entire execution period of the order.</p>		

iv) Warranty backup from the manufacturer of pump in original on manufacturer's letter head against the quality of the tendered item(s) as specified in the tender.

v) Undertaking from the manufacturer of pump (in original on manufacturer's letter head) guaranteeing uninterrupted supply of spares and availability of service for at least 15 years with effect from delivery of the Item / product for the item / product to be supplied under the Tender / Order, if order is awarded to them by OIL

vi) The bidder has to provide documentary evidence along with the offer for their principal OEM (pump) that the OEM had supplied minimum 1 No of 1600HP or more (Rating 7500 psi or above) Slush pump set , complete with DC/AC Motor and drive in last 5(Five) years for drilling rig application . Documentary evidence in respect of the above should be submitted in the form of copies of relevant purchase orders along with copies of any of the documents in respect of satisfactory execution of each of these purchase orders such as

- a. Satisfactory inspection report OR
- b. Satisfactory supply completion /Installation report OR
- c. Consignee receipt delivery challan OR
- d. Central excise gate pass / tax invoice issued under relevant rules of central excise /VAT OR
- e. Any other documentary evidence that can substantiate the satisfactory execution of each of the purchase order cited above.

Note: The Purchase Order date need not be within 5 (five) years preceding the original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender. Order copy to be enclosed with relevant page number bearing signature of purchaser or authenticated by purchaser. Satisfactory supply / completion report should be issued on company's letterhead with signature and stamp.

vii) The bidder has to provide documentary evidence along with the offer of bidder's own experience of supplying minimum 1 No of 1600HP or more (Rating 7500 psi or above) Slush pump set, complete with DC/AC Motor and drive in last 5(Five) years for drilling rig application. Documentary evidence in respect of the above should be submitted in the form of copies of relevant purchase orders along with copies of any of the documents in respect of satisfactory execution of each of these purchase orders such as

- a. Satisfactory inspection report OR
- b. Satisfactory supply completion /Installation report OR
- c. Consignee receipt delivery challan OR
- d. Central excise gate pass / tax invoice issued under relevant rules of central excise /VAT OR
- e. Any other documentary evidence that can substantiate the satisfactory execution of each of the purchase order cited above.

Note: a.)The Purchase Order date need not be within 5 (five) years preceding the original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender. Order copy to be enclosed with relevant page number bearing signature of purchaser or authenticated by purchaser. Satisfactory supply / completion report should be issued on company's letterhead with signature and stamp.

b) Manufacturer of Pump (supplied against the purchase order submitted as documentary evidence of past supply) should be same as that Manufacturer of pump offered by the bidder.

viii) DC Motor footprint and other details (Electrical and mechanical) should exactly match with M/S BHEL make DC motor, 1000 HP, model: 4903CX for compatibility and replacement with existing motors.

ix) Bidder should categorically confirm in the technical bid a delivery schedule within **Eight (08)** months, FOB Port of dispatch, after establishment of letter of credit (in case of foreign bidder) or for despatch of the equipment within **Eight (08)** months after receipt of formal order (in case of indigenous bidder) failing which their offer will be rejected. Bidder should also categorically confirm in the technical bid that installation and commissioning shall be done within **Three (03)** month after receipt of site clearance from OIL .

x) If the bidder is an authorized dealer / distributor of OEM of Pump and have successfully supplied the tendered items to OIL in the last 05(five) years as on original bid closing date whose past performance has been satisfactory, the bidder need not satisfy Clause 1.1.2 (vi), (vii) . In this situation the bidder shall have to indicate the Purchase Order (P.O.) No. of OIL in their technical bid. However, this exemption shall be applicable only if the bidder has declared in the bid that they will be supplying the tendered item from the same manufacturer as per the last order supply.



**1.1.3 If the bidder is an OEM (Pump) approved assembler, then the following criteria must be fulfilled:**

- i) The bidder must be OEM ( Pump ) approved assembler since last 05(five) years reckoning from the original bid closing date. Documentary evidence to that effect from OEM must be submitted along with the offer.
- ii) Bidder must purchase the Pump from their OEM and DC/AC Motor, drive and other accessories from the respective OEM's or authorized dealers of these items. The purchase documents of Pump, DC/AC Motor, drive and other accessories from the OEM's or authorized dealers must be submitted along with the supply of Pump package. Bidder must confirm compliance of this in the technical bid
- iii) Undertaking from the manufacturer of pump (in original on manufacturer's letter head) guaranteeing supply of items to the bidder in the event of an order on the bidder. This certificate should be valid at the time of bidding and should remain valid during the entire execution period of the order.
- iv) Warranty backup from the manufacturer of pump in original on manufacturer's letter head against the quality of the tendered item(s) as specified in the tender.
- v) Undertaking from the manufacturer of pump (in original on manufacturer's letter head) guaranteeing uninterrupted supply of spares and availability of service for at least 15 years with effect from delivery of the Item / product for the item / product to be supplied under the Tender / Order, if order is awarded to them by OIL.
- vi) The bidder has to provide documentary evidence along with the offer for their principal OEM (pump) that the OEM had supplied minimum 1 No of 1600HP or more (Rating 7500 psi or above) Slush pump set , complete with DC/AC Motor and drive in last 5(Five) years for drilling rig application . Documentary evidence in respect of the above should be submitted in the form of copies of relevant purchase orders along with copies of any of the documents in respect of satisfactory execution of each of these purchase orders such as

- a. Satisfactory inspection report OR
- b. Satisfactory supply completion /Installation report OR
- c. Consignee receipt delivery challan OR
- d. Central excise gate pass / tax invoice issued under relevant rules of central excise /VAT OR
- e. Any other documentary evidence that can substantiate the satisfactory execution of each of the purchase order cited above.

Note: The Purchase Order date need not be within 5 (five) years preceding the original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender. Order copy to be enclosed with relevant page number bearing signature of purchaser or authenticated by purchaser. Satisfactory supply / completion report should be issued on company's letterhead with signature and stamp.

vii) The bidder has to provide documentary evidence along with the offer of bidder's own experience of supplying minimum 1 No of 1600HP or more (Rating 7500 psi or above) Slush pump set, complete with DC/AC Motor and drive in last 5(Five) years for drilling rig application. Documentary evidence in respect of the above should be submitted in the form of copies of relevant purchase orders along with copies of any of the documents in respect of satisfactory execution of each of these purchase orders such as

- a. Satisfactory inspection report OR
- b. Satisfactory supply completion /Installation report OR
- c. Consignee receipt delivery challan OR
- d. Central excise gate pass / tax invoice issued under relevant rules of central excise /VAT OR
- e. Any other documentary evidence that can substantiate the satisfactory execution of each of the purchase order cited above.

Note: (a) The Purchase Order date need not be within 5 (five) years preceding the original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender. Order copy to be enclosed with relevant page number bearing signature of purchaser or authenticated by purchaser. Satisfactory supply / completion report should be issued on company's letterhead with signature and stamp.

b) Manufacturer of Pump (supplied against the purchase order submitted as documentary evidence

of past supply ) should be same as that Manufacturer of pump offered by the bidder.

viii) DC Motor footprint and other details (Electrical and mechanical) should exactly match with M/S BHEL make DC motor, 1000 HP, model: 4903CX for compatibility and replacement with existing motors.

ix) Bidder should categorically confirm in the technical bid a delivery schedule within **Eight (08)** months, FOB Port of dispatch, after establishment of letter of credit (in case of foreign bidder) or for despatch of the equipment within **Eight (08)** months after receipt of formal order (in case of indigenous bidder) failing which their offer will be rejected. Bidder should also categorically confirm in the technical bid that installation and commissioning shall be done within **Three (03)** month after receipt of site clearance from OIL .

x) If the bidder is an OEM (Pump) approved assembler and have successfully supplied the tendered items to OIL in the last 05(five) years as on original bid closing date whose past performance has been satisfactory, the bidder need not satisfy Clause 1.1.3 (vi), (vii) . In this situation the bidder shall have to indicate the Purchase Order (P.O.) No. of OIL in their technical bid. However, this exemption shall be applicable only if the bidder has declared in the bid that they will be supplying the tendered item from the same manufacturer as per the last order supply.

**Format-A**

Format of undertaking by Bidders towards submission of authentic information/documents  
(To be typed on the letter head of the bidder)

Ref. No \_\_\_\_\_

Date \_\_\_\_\_

**Sub: Undertaking of authenticity of information/documents submitted**

**Ref: Your tender No. \_\_\_\_\_ Dated \_\_\_\_\_**

To,  
The HOD-Materials  
Materials Deptt,  
OIL, Duliajan

**Sir,**

With reference to our quotation against your above-referred tender, we hereby undertake that no fraudulent information/documents have been submitted by us.

We take full responsibility for the submission of authentic information/documents against the above cited bid.

We also agree that, during any stage of the tender/contract agreement, in case any of the information/documents submitted by us are found to be false/forged/fraudulent, OIL has right to reject our bid at any stage including forfeiture of our EMD and/or PBG and/or cancel the award of contract and/or carry out any other penal action on us, as deemed fit.

Yours faithfully,  
For (type name of the firm here)

Signature of Authorised Signatory

Name :

Designation :

Phone No.

Place :

Date :

(Affix Seal of the Organization here, if applicable)

\*\*\*\*\* **END OF THE DOCUMENT** \*\*\*\*\*