

Bid Document

Bid Details	
Bid End Date/Time	04-08-2021 09:00:00
Bid Opening Date/Time	04-08-2021 09:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Ministry Of Petroleum And Natural Gas
Department Name	Oil India Limited
Organisation Name	Oil India Limited
Office Name	Oil India Limited
Total Quantity	4
Item Category	ELECTRIC MOTOR DRIVEN CRUDE OIL DESPATCH PUMP SET OF 25KLPH CAPACITY
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Time allowed for Technical Clarifications during technical evaluation	5 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	Yes
Inspection to be carried out by Buyers own empanelled agency	Yes
Type Of Inspection	Pre Dispatch
Name of the Empanelled Inspection Agency/ Authority	Board of Officers
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

Advisory Bank	HDFC Bank
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	14

(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

GM- MATERIALS (HOD)

Oil India Limited, Duliajan Assam - 786602 Ph: 0374 2808705 (Direct). Details of Beneficiary: OIL INDIA LIMITED
Bank Name: HDFC BANK LIMITED, Branch Name: Duliajan, Bank Account No. : 21182320000016, Type of Account: Current Account, IFSC Code: HDFC0002118, MICR Code: 786240302, SWIFT Code: HDFCINBBCAL (Note: OIL has made arrangement for online confirmation of Bank Guarantee through SFMS Platform with HDFC Bank, Duliajan Branch. Therefore, bidders submitting Performance Security in the form of Bank Guarantee must route the BG through SFMS platform as per following details – a. The Bank Guarantee issued by the Bank must be routed through SFMS platform as per following details: (i) MT 760 / MT 760 COV for issuance of Bank Guarantee (ii) MT 760 / MT 767 COV for amendment of Bank Guarantee The above message / intimation shall be sent through SFMS by the BG issuing Bank branch to HDFC Bank, Duliajan Branch, IFS Code – HDFC0002118; SWIFT Code - HDFCINBBCAL. Branch Address: HDFC Bank Limited, Duliajan Branch, Utopia Complex, BOC Gate, Jayanagar, Duliajan, Dibrugarh, PIN – 786602. 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. Bank Guarantee issued by a Scheduled Bank in India at the request of some other Non-Scheduled Bank in India shall not be acceptable.)

(Binita Deka Borah)

Splitting

Bid splitting not applied.

MII Purchase Preference

MII Purchase Preference	Yes
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MSE Purchase Preference

MSE Purchase Preference	Yes
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1. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case

Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 100%(selected by Buyer) percentage of total QUANTITY.

3. Inspection of Stores by Nominated Inspection Authority / Agency of buyer or their authorized representatives

An independent third party Professional Inspection Body can help buyer in mitigating buyer's risk with pre-dispatch/post-dispatch inspection in order to ensure that equipment, components, solutions and documentation conform to contractual requirements. The buyer has a right to inspect goods in reasonable manner and within reasonable time at any reasonable place as indicated in contract. Inspection Fee/ Charges (as pre-greed between buyer and Inspection Agency) would be borne by the buyer as per their internal arrangement but may be recovered from the seller if the consignment failed to conform to contractual specification and got rejected by the Inspection Officer. If so requested and accepted by the seller, initially seller may pay for inspection charges as applicable and get the same reimbursed from buyer if consignment accepted by the Inspecting Officer. For reimbursement seller has to submit proof of payment to Inspection Agency.

Seller/OEM shall send a notice in writing / e-mail to the Inspecting officer / inspection agency specifying the place of inspection as per contract and the Inspecting officer shall on receipt of such notice notify to the seller the date and time when the stores would be inspected. The seller shall, at his own expenses, afford to the Inspecting officer, all reasonable facilities as may be necessary for satisfying himself that the stores are being and or have been manufactured in accordance with the technical particulars governing the supply. The decision of the purchaser representative /inspection authority regarding acceptance / rejection of consignment shall be final and binding on the seller.

The Seller shall provide, without any extra charge, all materials, tools, labour and assistance of every kind which the Inspecting officer may demand of him for any test, and examination, other than special or independent test, which he shall require to be made on the seller's premises and the seller shall bear and pay all costs attendant thereon.

The seller shall also provide and deliver store / sample from consignment under inspection free of charge at any such place other than his premises as the Inspecting officer may specify for acceptance tests for which seller/OEM does not have the facilities or for special/ independent tests.

In the event of rejection of stores or any part thereof by the Inspecting officer basis testing outside owing to lack of test facility at sellers premises, the seller shall, on demand, pay to the buyer the costs incurred in the inspection and/or test. Cost of test shall be assessed at the rate charged by the Laboratory to private persons for similar work.

Inspector shall have the right to put all the stores or materials forming part of the same or any part thereof to such tests as he may like fit and proper as per QAP/governing specification. The seller shall not be entitled to object on any ground whatsoever to the method of testing adopted by the Inspecting officer.

Unless otherwise provided for in the contract, the quantity of the stores or materials expended in test will be borne by seller.

Inspecting officer is the Final Authority to Certify Performance / accept the consignment. The Inspecting officer's decision as regards the rejection shall be final and binding on the seller.

The seller shall if so required at his own expense shall mark or permit the Inspecting officer to mark all the approved stores with a recognised Government or purchaser's mark.

ELECTRIC MOTOR DRIVEN CRUDE OIL DESPATCH PUMP SET OF 25KLPH CAPACITY (4 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Unbranded
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Technical Specifications

Buyer Specification Document	Download
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Installation Commissioning and Testing (ICT) details for the above item:

% of Product Cost Payable on Product Delivery	80%
Min Cost Allocation for ICT as a % of product cost	20%
Number of days allowed for ICT after site readiness communication to seller	90 Days

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Krishna Mohan Kumar	786602,Oil India Limited, Duliajan, Assam	4	270

Buyer added Bid Specific Additional Scope of Work

S.No.	Document Title	Description	Applicable i.r.o. Items
1	BRC & Technical Specification View	BRC & Technical Specification	ELECTRIC MOTOR DRIVEN CRUDE OIL DESPATCH PUMP SET OF 25KLPH CAPACITY(4)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.

Buyer Added Bid Specific Additional Terms and Conditions

- Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
- Bidder shall submit the following documents along with their bid for Vendor Code Creation:
 - Copy of PAN Card.
 - Copy of GSTIN.

c. Copy of Cancelled Cheque.

d. Copy of EFT Mandate duly certified by Bank.

3. Buyer Organization specific Integrity Pact shall have to be complied by all bidders. Bidders shall have to upload scanned copy of signed integrity pact as per Buyer organizations policy along with bid. [Click here to view the file](#)
4. Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
5. OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
6. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST.
Applicable Concessional rate of GST : 5%
Notification No.and date : 3/2017 dated 28/06/2017
7. While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.
8. Whereever Essentiality Certificate is applicable (PEL/ML), successful bidder should provide Proforma Invoice for processeing for EC application and material should be dispatche after receiving of EC rom DGH. In view of the same, an ATC may be incorporated in GeM, viz, "BIDDER/OEM must provide Proforma Invoice for processeing for EC application within 220 days from date of issue of GeM Contract and material should be dispatche after receiving of EC rom DGH."
9. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
10. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 100% of total value.
11. Purchase Preference linked with Local Content (PP-LC) Policy:

The bid clause regarding "Preference to Make In India products" stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as "Non Local Supplier". The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

- i. In case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.
- ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.

- iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.
12. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
13. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
14. Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---



ANNEXURE – I

TECHNICAL SPECIFICATION

QUANTITY: 4(four) Nos.

ELECTRIC MOTOR DRIVEN CRUDE OIL DESPATCH PUMP SET OF 25KLPH CAPACITY

A. PUMP:

1. Type

Horizontal, single acting, triplex plunger pump manufactured as per API Standard 674/American Hydraulic Institute (ANSI/HI) standards.

2. Capacity and Discharge

The plunger size selected should be adequate to meet the pressure and volume requirements of 50 Kg/Sq.cm and 25 CuM/hr respectively.

3. Pump Speed

The speed limit of the offered pump shall be governed by the maximum allowable speed ratings for single acting plunger type pumps in continuous service as per API Standard 674.

NOTE: 'Continuous duty' means pump having service operation on full load for a period of 8 hours to 24 hours per day as per Hydraulic Institute Standard application.

4. Fluid end features

- i. Aluminum Bronze/Forged Carbon Steel/Cast Nodular Iron, Valve cover, Valve, Mono Block Fluid End with bolt on type valve covers
- ii. Al Bronze / Carbon Steel / Nodular Iron stuffing boxes
- iii. Hard coated plungers
- iv. General service packing
- v. Suitably designed valves with tapered valve seats pressed onto mono block fluid end
- vi. Three feed belt driven packing lubricator, to drip feed (Make : PREMIER / MEGA)
- vii. Suction and Discharge on either side

5. Power end features

- i. One piece Cast Iron frame
- ii. Alloy steel / Cast Nodular Iron crankshaft
- iii. Heavy duty Taper Roller crankshaft bearings
- iv. Two piece , steel backed, precision type, Aluminum alloy / Tin & Babbitt lined crank pin bearings
- v. Ductile / nodular iron connecting rods
- vi. Nodular Iron / Cast Iron cross heads
- vii. Bronze crosshead pin bushings
- viii. Alloy Steel crosshead pins
- ix. Stainless Steel pony / extension rods
- x. Flooded sump Splash Lubrication for power end
- xi. Sight glass gauge or oil level dipstick

6. Accessories

- i. Full flow, suitably sized and rated, spring loaded, Reset Relief Valve, mounted on the discharge piping. (Make: OTECO/ BAIRD / CAMERON or equivalent)
N.B.: The relief valve is to be set at 110% of our maximum pressure requirement at the time of delivery.

- ii. Liquid filled discharge pressure gauge having a range up to 100 Kg/ Sq.cm, with built in dampening mechanism to minimize fluctuations for accurate response to pressure changes.
(Make: OTECO/ CAMERON / MARTIN DECKER or equivalent)
- iii. Suitably designed Suction Stabilizer and Discharge Pulsation Dampener (Diaphragm type, pre charged), mounted and installed in line with the suction and discharge piping.

N.B.: Dampeners should be of Carbon Steel construction built to ASME pressure vessel codes and code stamped.

- iv. The pump suction piping should incorporate a suitably sized Gate / Ball valve and suction stabiliser while the discharge line should incorporate a suitably sized Ball valve/Gate valve, a Check valve, a Drain valve (to de-pressurize the system when carrying out maintenance of the unit), a by-pass valve, a Reset relief valve and discharge pulsation dampener. Suction and discharge piping, fitting and accessories connection should be preferably as per the sketch enclosed.

N.B.:

- a) The discharge valve/By-pass valve should be full opening/ full bore ball valve/Gate valve conforming to API 6D specification, RTJ Flanged ends of suitable size and pressure rating with a pair of companion RTJ flange (weld neck) conforming to ANSI B16.5 (latest edition), complete with two no. ring joint gaskets and requisite no. of studs and nuts.
- b) The check valve of discharge line should be full opening/ full bore check valve conforming to API 6D specification, bolted cover, renewable seat, RTJ Flanged ends of suitable size and pressure rating with a pair of companion RTJ flange (weld neck) conforming to ANSI B16.5 std. (latest edition)complete with two no. ring joint gaskets and requisite no. of studs and nuts.
- c) All the pipes, valves and fittings of the suction/discharge line should be of same size.
- v. Complete set of fittings, interconnection piping and companion flanges with appropriate bolting, gaskets, dampener brackets, blind flanges etc. required for mounting all items mentioned above.

7. Duty / Service

The pump should be designed for continuous duty application. Necessary credentials in this regard, in the form of product catalogues / brochures from OEM should be furnished.

NOTE: 'Continuous duty' means pump having service operation on full load for a period of 8 hours to 24 hours per day as per Hydraulic Institute Standard application.

8. Liquid to be handled

The pumping unit should be suitable for pumping crude oil. A recent Test Report of a typical sample is provided to assist the selection process:

API Gravity at 60 Deg F	: 30
PH	: 7.2
Salinity (ppm)	: 4400
CO ₃	: NIL
HCO ₃	: 305
Pour Point (Deg C)	: 27
Water Content (% v / v)	: 21
Pumping Temp	: 34 to 35 Deg C
Viscosity	: 13 cp @ 26 Deg C, 17 cp @ 24 Deg C, 29 cp @ 22 Deg C
Sp. Gravity	: 0.8574 @ 35 Deg C and 0.8718 @ 15 Deg C

9. Suction condition

Positive suction

10. Name plate and rotation arrows:

A name plate shall be securely attached at a readily visible location wherein the manufacturers name, machine serial number, maximum and minimum design limits and rating data, maximum allowable

working pressure and temperatures, hydrostatic test pressure etc. should be clearly indicated. Rotation arrows indicating direction of rotation of major items should be cast in or attached.

11. Certificates and Documents to be forwarded:

- I. The following documents should be forwarded along with the quotations:
 - (a) Product line catalogue, specifying materials of construction and constructional features of the triplex plunger pump and technical literatures of all ancillary equipment.
 - (b) Performance chart of the plunger pump including all technical calculations such as hydraulic horse power, volumetric efficiency, mechanical efficiency, RPM, gear ratio, maximum plunger load, NPSH requirement, etc.
 - (c) Detail of Motors and motor glands as per tender.
- II. The following documents shall have to be forwarded within a month of issue of LOI or placement of firm order:
 - (a) Foundation diagrams for the complete pump set indicating the static and dynamic loads of the package.
- III. The following documents must be forwarded along with the supply of equipment:
 - (a) Certified Test Results
 - (b) Certificate of hydrostatic testing
 - (c) Manufacturers certificate of authenticity
 - (d) Certificate of test/conformance of pump, motors and associated ancillaries like relief valves, pressure gauges, dampeners, etc.
 - (e) Operation and Maintenance manuals, parts lists of pump, electric motor, gear box and all other accessory equipment.

B. SPEED REDUCTION GEAR BOX

The speed reduction from the Prime Mover (Electric Motor) at its rated rpm to the desired rpm of pump shall be effected by means of a separate external foot mounted gear box installed between the prime mover and the pump.

The Gear Box should be SHANTHI/GREAVES/ PREMIUM Make parallel shaft speed reducer with a gear rated to designed HP from an Electric Motor at rated RPM to the pump at desired RPM, with a suitable Gear ratio, and a minimum service factor of 1.75 as per American Gear Manufacturers Association (AGMA SF). The unit design includes cast iron housing, helical gear elements, anti-friction roller bearings on all shafts, and a self-contained splash lubrication system with a shaft driven lube oil pump and radiator type air/oil cooler to meet the thermal horsepower requirements.

C. DRIVE ARRANGEMENT

The drive arrangement will involve flow of prime mover power through Direct Flexible Disc coupling to the input shaft of an external foot mounted speed reduction gearbox and finally from the Output shaft of the gearbox to the crankshaft of the triplex pump through a Flexible Disc coupling.

Suitably selected Flexible Disc / Grid Member Couplings should be incorporated to transfer power from the prime mover to the triplex pump through the transmission, as illustrated in the schematic diagram (**DIAGRAM – 1**).

N.B.: *All rotating parts should be covered by suitable guards.*

D. PRIME MOVER

Electrical Motor specification is as follows:

The Prime mover for the Pump shall be Three phase, squirrel cage rotor Induction Motor with the following specifications:

1. Type: The motor shall be 3- phase, FLAMEPROOF type (Ex-d), suitable for installation in Zone-1, Zone-2 Hazardous Area, Gas Group IIA and IIB, of Oil Mine.
2. HP/KW Rating of the Motor: KW/HP rating of motors to be calculated by supplier/OEM of pump set as per pump requirement. Motor rating shall be minimum 10 % higher than the HP or KW required

immediately after the motor shaft [i.e. Motor capacity in HP or KW shall be 1.1 times of (Pump capacity in HP or KW + all losses in the mechanical system, e.g. coupling loss etc.)]. **Both pump capacity and motor capacity calculation sheets to be attached with the bid.** The motor rating should be limited to Maximum 75 KW or 100 HP.

3. Enclosure: TEFC, FLP with Degree of protection - IP55. CI/ MS enclosure painted with Epoxy based DA Grey Paint.
4. Insulation: Vacuum pressure impregnated. Class F with temperature rise limited to that of class B.
5. Standards: Motor shall confirm to IS/IEC 60079-0: 2011, IS/IEC: 60079-1: 2007, IS 12615 - 2018 and IS/IEC: 60034 for performance and service.
6. Voltage: Motor shall be suitable for $415 \pm 6\%$ volts, 3 Phase, 50HZ, AC supply and should withstand high voltage fluctuation.
7. Freq.: 50 Hz $\pm 3\%$
8. RPM : To match driven equipment
9. Duty : Continuous (S1)
10. Mounting: As per equipment design.
11. Shaft support: Rolling element Bearings at DE and NDE
12. Cooling: Bidirectional cooling fan at NDE
13. Terminal stud arrangement of winding: 6 nos. terminal studs shall be available in the terminal box and shall be marked for identification. Terminal studs shall be required for heater, if fitted.
14. Switching: 15 Cold Starts /Hr.
15. Ambient: Max. 40°C, Min 6°C, 95% RH, Altitude-150 Mtr.
16. Terminal Box: FLP Cable termination box with brought out terminal studs suitable for terminating PVCA Aluminum cables of proper size as per rating of motor. Terminal shall be of brass with non-hygroscopic insulation support (FRP or DMC) suitable for tropical climate. Suitable termination arrangement shall also be provided in case the heater is installed. No. of cable entries to the terminal box, and hole size would be decided after placement of the order depending on motor rating, starter type and cable size. Cable entry thread ET type. Suitable flameproof double compression type cable gland(s) shall be provided along with motor / terminal box.
17. Glands: FLP double compression, Nickel plated brass glands, as per cable size shall be fitted in all the cable entries in terminal box of the motor.
Make of Gland: Baliga, GMI, Dowells, Sudhir.
18. Earthing: Two nos. of earthing studs to be provided on both sides of the motor. Earthing system for the motor shall be as per the IS: 3043-2018.
19. Lifting Eye: Lifting hook(s) shall be provided for lifting the motor.
20. Markings: Name plate details with name of manufacturer, frame size, rated voltage, rated output, current, frequency, type of duty, class of insulation, no. of phases, speed in rpm at rated output, degree of protection, winding connections, ambient temp, bearing sizes, lubricant, lubrication material and year of manufacture, Flameproof Test Certification details conforming to IS/IEC 60079.
21. Certificates:
 - (A) Test certificate of Motor for routine tests done at manufacturer's works shall be submitted with the supply.
 - (B) Certification of Flameproof Items: Against all flameproof items (Motor & Cable Gland) bidder shall furnish (along with the offer) test certificates conforming to the latest version of IS/IEC 60079-0:2011, IS/IEC 60079-0:2007 and IS/IEC 60079-1:2007 standard from CIMFR (Central Institute of Mining and Fuel Research) or any other NABL (National Accreditation Board for Testing Laboratories, India) accredited Indian Government Laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility.

In case, such certificates are not available at the time of bidding, then the bidder has to provide a declaration that on placement of order, within 15 days, all the essential test certificates will be produced for OIL's review/scrutiny before finalization of the selected make/model of the flameproof item/equipment. In such cases, OIL may ask for a change in the selection, if produced test certificate is not found in order. Hard copies of all the test certificates have to be supplied along with the materials. Despatch clearance will not be given to supplier unless above (1) test certificates and (2) bill of electrical materials are duly approved by OIL.

Bids/offers not accompanying the above test certificates/declaration will not be considered for technical evaluation.

22. Guarantee: Motor shall be guaranteed for one year. Guarantee certificate shall be submitted with the supply.
23. Make: Bharat Bijlee/ Crompton Greaves/ KEC/ Siemens/NGEF / Marathon / ABB.
24. General Notes on motor:
 - (i) The FLP motor and the FLP gland(s) must be suitable for installation in Hazardous Area Zone 1 area, Gas Group IIA and IIB, of Oil Mine. These must be conforming to the latest version of IS/IEC 60079-0:2011, IS/IEC 60079-0:2007 and IS/IEC 60079-1:2007. Test certificates in this regard must be provided along with materials.
 - (ii) Frame size & make of the offered motor should be mentioned in the offer.
 - (iii) Copy of the drawing of the offered FLP Motor enclosure showing terminal box & cable entry arrangement with double compression FLP cable gland to be submitted with the offer.
 - (iv) All unused cable entries holes must be plugged with appropriate type metallic plugs.
 - (v) Packing should be suitable for transit damage & protection against tropical rains.
 - (vi) Bidder must categorically mention that their offer complies with all the features mentioned in the Motor specification & all the relevant documents required as per above points are enclosed in their offer.

E. INSTRUMENTATION FOR CODP:

- 1.0 The CODP shall be controlled by a Programmable Logic Controller (PLC) with Panel mounted HMI- Human Machine Interface for display & alarm of critical parameters and safety shutdown. The HMI shall be color TFT display (minimum of 10 Inch) with touch screen and all alarm/ shutdown set point shall be configurable via HMI.
- 2.0 The PLC shall be Rockwell Automation make SLC 5/03 processor or equivalent with necessary I/O. (Input/Output) modules. It shall also be provided with an Ethernet communication module for remote monitoring of the CODP parameters from control room.
- 3.0 The Control panel shall be an explosion proof control panel with a glass window for viewing the CODP parameters. The Control panel shall be certified to use in Zone1, Zone2, Gas group IIA & IIB (Division 1, Division 2, Gas group Class I, Group C&D) environment.
- 4.0 The following instrumentation items shall be provided for CODP. However, the supplier has to include, but not limited to all the items such that the supplied system is functionally and operationally complete in all respect:
 - # Pump Suction Pressure Transmitter
 - # Pump Discharge Pressure Transmitter
 - # Pump Vibration Switch
 - # Oil level switch for Pump sump
 - # Pump Outlet Flow Transmitter
 - # Motor Bearing Temperature (if possible)
 - # Motor Voltage
 - # Motor Current
- 5.0 All electronic/electrical instruments and equipment use in hazardous area should fulfill the following:
- 5.1 Item shall be of a type and specification confirming to the relevant standards as specified in the Regulation 107(2) of Oil Mines Regulation-2017 and complying the provisions therein.
- 5.2 Bidder should supply documents specifying the type, details of specification, reference of the particular standard, test criteria as per the standards and status of testing, place of testing, copies of test reports from Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body which is not a part of manufacture's facilities.
- 5.3 In this regard, Bidder may refer OMR-2017 Notification dated 18th October 2017, published in the Gazette of India, under Ministry of Labour and Employment, Directorate General of Mines Safety, published on 2nd November 2017.
- 6.0 The supplier has to provide 3 (THREE) sets each of the following documentation:
 - # Operation and maintenance manual of each field Instrument
 - # Instrument list and Instrument data sheets
 - # Test & Calibration reports
 - # As built & Hook up drawings
 - # Wiring diagram of the control panel
 - # Detailed operation and maintenance manuals of the PLC system
 - # Ladder logic developed for the PLC

- 7.0 The supplier has to provide ONE Lap-top computer for Programming the PLC & HMI. The minimum technical specification for the Lap-top shall be as follows: Processor-8th Gen core-i5, RAM-8GB, HDD-500 GB, 14 inch HD LED Display, OS-Latest Windows OS, 1 year anti-virus license with carry case for comfortable handling. It shall be loaded with the all relevant PLC software (programming & communication software). All the required software shall have lifetime validity license and bidder shall provide license preferably as USB dongle. All necessary back up shall also be loaded in the lap-top.

- 8.0 The Technical Specification of the Instruments for CODP is as given below:

Technical specification for Instruments:

8.1 PUMP SUCTION PRESSURE TRANSMITTER

MAKE : DRUCK or Equivalent
MODEL : PTX1240
RANGE : 0 TO 200 PSI
OUTPUT : 4 TO 20mA

8.2 PUMP DISCHARGE PRESSURE TRANSMITTER

MAKE : DRUCK or Equivalent
MODEL : PTX1240
RANGE : 0 TO 3000 PSI
OUTPUT : 4 TO 20mA

8.3 PUMP VIBRATION SWITCH

MAKE : MURPHY or Equivalent
MODEL : VS2EX
To detect vibration / Shock in 3 places of motion
Fully adjustable
Manual / Electrical reset

8.4 OIL LEVEL SWITCH (PUMP SUMP, GEAR BOX)

MAKE : MURPHY or Equivalent
MODEL : EL150X
Float : Brass
Contact rating : 2A, 30 VDC
Max Working Pressure : 25 PSI

8.5 TURBINE FLOWMETER

MAKE : NU FLO or Equivalent
MODEL : MC II PLUS EXP
POWER SUPPLY : MAX 30 VDC
OUTPUT : 4 TO 20 mA
LCD DISPLAY : FLOW RATE & TOTAL FLOW

9.0 **CONTROL PANEL:**

The PLC based control panel shall be suitably located for a clear view. The control panel shall be manufactured of a corrosion resistant material and shall include permanent labeling of all controls and instrumentation. The control panel shall include an HMI- Human Machine Interface (colour TFT display) with touch screen and alarm/ shutdown set point shall be configurable via HMI. The display/monitoring panel shall be an anti-reflective glass panel for increased visibility in intense sunlight.

There shall have the following features:

All normal operational functions should be available using panel mounted push buttons.

Digital readout with shutdown and alarm annunciation for the following:

- (i) Pump discharge pressure

- (ii) Pump suction pressure
- (iii) Pump outlet flow

The following discrete alarms/shutdowns should also be provided:

- (i) Pump crank case oil level
- (ii) Pump vibration
- (iii) Emergency shutdown push button
- (iv) Motor "ON"
- (v) Motor "OFF"
- (vi) Motor "TRIPPED"

24 VDC control power supply shall be provided for the following devices:

- (i) Pump discharge pressure transducer
- (ii) Pump suction pressure transducer
- (iii) Pump discharge flow meter

N.B: Programmable Logic Controller (PLC) shall be used to Display the process parameter and safe shutdown of the Motor for instrumentation parameters. For safe shutdown of the Motor, PLC shall generate potential free digital output (DO) signal which shall be connected through hard wired with the Motor Control Circuit. Once the Motor tripped due to any instrumentation shutdown parameters, manual reset is required in the form of potential free digital input (DI) to PLC which shall be connected through hardwired to take the Motor inline.

SPECIAL NOTES

1. The bidder must submit detailed technical specifications with all relevant technical catalogues, statutory certificates etc. for Instrumentation items of their offered model no. along with the bid for technical evaluation.
2. Bidder shall submit necessary documents along with the offer for all electronic/electrical instruments and equipment used in zone "1" or zone "2" hazardous area as per the Regulation 107(2) of OMR 2017.
3. Successful bidder has to take approvals of the following from OIL:
 - i. Control System cabinet Wiring Details
 - ii. Transmitters/ Switches locations & installation plan
 - iii. Loop diagram & loop details
 - iv. Cable schedule
 - v. Project Implementation Schedule
4. Test and calibration certificates for instruments have to be provided along with the supply.
5. The materials shall be packed in robust cartoons so as to avoid damage in transit
6. OIL reserves the right to inspect, test and if necessary reject any part/parts after delivery at site (including incomplete manuals, catalogues, etc.) in case of any fault on the part of the supplier he has to replace/ repair at his own cost.
7. The bidders must submit a written undertaking (along with the bid) that they would be able to supply all the requisite spares and consumables (including bought out items) for a minimum period of 10 (ten) years from the Certified date of completion / successful field commissioning of the unit.
8. Supply of all necessary accessories & fittings like-pipe, cable tray, Junction Box, Cable gland cable tie, nut bolt, screw, clamp, etc. required to complete the installation and commission is under the scope of bidders.

F. PUMP PACKAGE UNITISATION

The pump set is to be supplied with all components and accessories fitted and mounted on a robust oilfield type three runner portable master skid. The floor of the skid should be covered with anti-skid steel plates. While unitizing the pump set, easy approach to various components should be kept in mind, to facilitate operational and maintenance requirements. The skid should be fabricated out of properly sizes beams to withstand loading / unloading and transfer in oil field trucks.

The skid shall be sized to contain the entire pump and motor unit and should include the following components:

- a) Drip pan for cradle/fluid area of pump and packing area complete with threaded drain
- b) Dip lip for cradle / fluid area of pump and packing area
- c) Grouting holes

- d) Horizontal adjustment screws for minor adjustment
- e) Two grouting bosses on skid
- f) Interconnection piping spool pieces on suction and discharge with ancillary components
- g) Non sparking Aluminum safety guards.
- h) One set of proper size foundation bolts and nuts (J type bolt) with each pump sets. The foundation Bolt & nut for the skid is to be in accordance with ASTM #A193 B7 Standard.

N.B.: *The unitization process shall also include following:*

- a) Painting of skid, pump, piping and other accessories.
Paint / finish specifications shall consist of wire brushing structural pieces and piping, solvent cleaning of components, one coat of red oxide alkyd primer 2.0 to 2.5 mils dry film thickness (50 - 130 micron). The top coat shall be one coat of gloss sky blue national enamel 1.0 to 2.0 mils dry film thickness.
- b) Supply and erection of suction stabiliser, Discharge dampener, Safety/ Pressure Relief Valve, pressure gauges, inlet & outlet ball valves, check valves drain valve, Bypass valve and pipes and pipe fittings.

G. INSPECTION & TESTING

- i. The bidder shall ensure that the material to be supplied against the order shall be individually inspected, tested and analysed in terms of the specifications attached to the order and the relevant codes and practices specified therein by expression or implication.
- ii. The pump set shall be inspected by OIL's deputed engineer(s) or any other individual/agency authorised by OIL for the purpose of inspection at manufacturers / assembler's works / factory prior to dispatch. However, such inspection will not relieve the supplier of his responsibility to ensure that the equipment supplied conforms to the correct specifications and is free from manufacturing and all other defects.
The supplier shall carry out full load performance test on the pump set, at duty conditions, in the presence of OIL's deputed representative(s).
The supplier shall make available to OIL or any other individual/agency authorised by OIL for the purpose of inspection, all its records and results in respect of inspection.
- iii. For false calls for inspection and for the cases where material is rejected on inspection, the successful bidder will bear the actual cost of inspection incurred/suffered by OIL.
- iv. The inspection by OIL or by OIL's representative in any manner does not absolve the successful bidder of any liability and/or responsibility under the purchase order.

N.B.: *Charges for carrying out the above tests at the Manufacturer's facility should be included in the offer.*

H. FACTORY ACCEPTANCE TEST (FAT)

The bidder will have to submit final GA drawing including all the technical details, factory acceptance test procedure (or Quality Assurance Plan) and inspection plan to OIL for approval. OIL will depute engineer(s) to witness the complete functions and operation of the all the items of the system at one workplace. The acceptance of the system will be signed by OIL representatives at that work place after final successful functional test and demonstration.

Unless otherwise specifically authorized by OIL in writing, the successful bidder shall not ship or dispatch for any material under the purchase order before Inspection.

I. TRAINING

- a) The bidder shall provide comprehensive training to a group of OIL's engineers at their manufacturing plant/works for a period of 5 days (approx.) on Operation & Maintenance, Troubleshooting of the system. The training is to be supplemented by manual in hard bound copy. **Travel charges and boarding/lodging of OIL personnel shall be borne by OIL.**
- b) After successful installation and commissioning the bidder needs to provide detailed onsite operation and maintenance training to OIL personnel for minimum two days duration.

J. INSTALLATION & COMMISSIONING

- a) Installation & Commissioning of the Pump set shall be carried out by the bidder in the presence of OIL's representatives at its fields in and around Duliajan, Assam (India). Services of qualified and competent personnel from equipment manufacturer are must during installation & commissioning of the pump sets. Only competent service personnel shall be engaged for installation, testing and commissioning of pump sets. OIL will provide necessary statutory permits in classified areas as and when required.

- b) **Installation and Commissioning charges must be included in the quoted price.** These charges should include to and fro fares, boarding/ lodging, local transportation and other expenses of the commissioning engineers during their stay at Duliajan, Assam (India). All Taxes towards the services provided by the supplier shall be borne by the supplier and will be deducted at source. Bidders should also confirm about installation/ commissioning in the Technical Bid.
- c) The successful bidder shall install all the hardware i.e. Transmitter, cable laying, fixing of cable trays, cable termination, fixing of Instrumentation System for CODP along with power supply and hooter etc.
- d) The successful bidder should design and submit the complete cable schedule for OIL's approval prior to execution of the job.

K. SITE ACCEPTANCE TEST (SAT)

- a) OIL shall take over the system from bidder after successful completion of SAT. SAT shall be started only after satisfactory performance of loop checking and verification of records.
- b) Site acceptance tests shall be carried out in presence of OIL's representative.
- c) Bidder shall carry out following tests as minimum as part of SAT
 - Hardware verification as per final Bill of material.
 - Visual & Mechanical inspection for proper workmanship, identification, wiring, ferruling, name plates etc.
 - System configuration as per approved configuration diagram / scheme.
 - Demonstration of all system diagnostics.
 - Testing of all operational functionalities including pre-alarm and alarm logic function.
 - System performance test.
- d) OIL will finally test for successful uninterrupted operation of the integrated system for the duration of minimum 72 hours for the system. Bidder's personnel shall be present during the test. Any malfunctioning of the system components shall be rectified free of cost. Once the system failure is detected, the test shall start all over again from the beginning. On satisfactory performance, the pumps set shall be subsequently handed over to OIL and will be declared as commissioned. The warranty period shall start from the day OIL takes over the system.

L. WARRANTY

The equipment/materials will be guaranteed for a period of 18 (eighteen) months from the date of receipt of the material at OIL's depot or 12(twelve) months from the date of commissioning, whichever is earlier. The supplier shall repair or replace any item or equipment found defective in materials or workmanship or performance within the above period free of charge. The warranty is applicable to bought out items and system software also. Any system/ software fault during warranty period, supplier has to attend within 48-hours after receiving of calls from OIL free of charges.

M. SPARE PARTS AND SPECIAL TOOLS

1. COMMISSIONING SPARES & TOOLS

The Supplier has to supply all the spare parts for initial commissioning of the unit.

The following special tools should be included *[one set against each pump set]* in the scope of supply, as commissioning spares. **The prices of these spares shall be included in the quoted price.**

- i. A set of tools (Box and open spanner wrenches) for fitting and tightening all bolts installed in the pump set.
- ii. A valve seat puller and special wrenches for tightening stuffing box glands, studs etc.
- iii. A charging kit for charging (Nitrogen) the suction stabilizer and discharge dampener.

NOTE: All the above mentioned tools shall have to be packed separately for handing over the same to CGM - Field Engineering and the package to be labeled with following:

OIL's Purchase order No: _____

To,
Head- Field Engineering
OIL INDIA LIMITED
DULIAJAN- 786602
ASSAM, INDIA

2. **CRITICAL SPARES**

Supplier shall supply the critical spares for pumps, motors, other electrical and instrumentation items along with the supply of the Unit considering 2(two) years consumption.

- a) Bidders have to provide the part numbers of the following spares that we envisage shall be required for maintenance of the pump set for at least two years.

TRIPLEX PLUNGER PUMP:

- | | | |
|-------|-------------------------|--|
| i. | SUCTION VALVE ASSEMBLY | : 3 NOS PER PUMP |
| ii. | DELIVERY VALVE ASSEMBLY | : 3 NOS PER PUMP |
| iii. | VALVE COVER GASKET | : 12 NOS PER PUMP |
| iv. | VALVE SEAT (SUCTION) | : 3 NOS PER PUMP |
| v. | VALVE SEAT (DELIVERY) | : 3 NOS PER PUMP |
| vi. | ROD WIPER | : 6 SETS PER PUMP |
| vii. | PLUNGER | : 3 NOS PER PUMP |
| viii. | PLUNGER PACKING | : 12 SETS PER PUMP (EACH SET ADEQUATE TO CATER FOR 3 PLUNGERS) |
| ix. | CRANK PIN BEARING | : 3 SETS PER PUMP |

Note:

- i. **The prices of these above mentioned spares should be included in the quoted price.**
- ii. All the above mentioned tools shall have to be packed separately for handing over the same to CGM- Field Engineering and the package to be labeled with following:

OIL's Purchase order No: _____

To,
Head- Field Engineering
OIL INDIA LIMITED
DULIAJAN- 786602
ASSAM, INDIA

- b) Bidders shall have to provide the unit price, along with the part numbers, of the following insurance spares. **The cost of these spares however shall not be considered during commercial evaluation of the offer and hence should not be included in the quoted price.**

- | | |
|------|-------------------------|
| i. | FLUID END |
| ii. | STUFFING BOX ASSEMBLY |
| iii. | GLAND NUT |
| iv. | EXTENSION ROD |
| v. | CRANKSHAFT |
| vi. | CROSS HEAD |
| vii. | CONNECTING ROD ASSEMBLY |

3. **RECOMMENDED SPARES**

- a) The bidder shall furnish a list of spares & components that will be required for regular operation and maintenance, overhauling etc. throughout the life of the equipment (*Without price in technical bid*). Annual consumption of each spare should be furnished in a tabular format. The bidder should also provide detailed spare list of all the items including bought out items in the operation and maintenance manuals. The list should include a spare parts list along with OEM part numbers, make & model of the equipment and contact postal address of OEM for all items of the whole unit.
- b) The bidders must submit a written undertaking (along with the bid) that they would be able to supply all the requisite spares and consumables (including bought out items) for a minimum period of 10 (ten) years from the Certified date of completion/ successful field commissioning of the unit.

NOTE:

- 1.0 Bidder should provide indicating part numbers, quantity & unit price separately as per methodology mentioned below for **CRITICAL SPARES - Item under Point 2(b) – Insurance Spares only** and categorically confirm the same in the technical bid. **(Price should not be mentioned in the technical**

bid). However, the cost of these spares will not be considered for bid evaluation purpose and hence should not be included in the quoted price. The price should remain valid for at least two (02) years.

- 1.1 The "Spare Price List" (**CRITICAL SPARES- Item under Point 2(b) - Insurance Spares only**) shall be submitted in bidders own original letterhead duly signed by authorised signatory and stamped. It should be put in a sealed envelope bearing the following details on the left hand top corner of the envelope -

- (i) GEM Bid No.
- (ii) Bid closing date
- (iii) Brief Description of materials
- (iv) Bidder's Name, official address with Phone Nos. & Email address.
- (v) Recommended "spare price list" or any other attachment (as applicable)

Note: The Techno-commercial Bid/Un-priced Bid in GeM portal shall contain only the technical and commercial details except the prices. No price shall be provided in the Technical-commercial Bid/Un-Priced Bid otherwise the offer shall be rejected.

- 1.2 The above sealed envelope should then be put in another envelope bearing the following address:

**GM-MATERIALS,
Materials Department,
Oil India Limited,
Duliajan -786602, Assam.**

Note: Bidders, in their own interest, are advised to drop their sealed envelope personally in "TENDER BOX" at Materials Department, Oil India Limited, Duliajan. Alternatively they may send the same through Registered Post/courier. However, Oil India Limited will not be responsible for any delay, wrong delivery or non-delivery of the sealed envelope at the said address. No offer will be accepted after the bid closing date and time.

- 1.3 The Bid submitted through GeM shall be rejected without further reference, if the sealed envelope is not received strictly as above at the aforementioned address on or before the Bid Closing date of the GeM Tender. The sealed envelope of only the techno-commercially acceptable bidders shall be opened along with priced bid submitted in GeM portal. The sealed envelope shall contain only the "Spare Price List" which shall not be considered for bid evaluation purpose. No other price details shall be submitted in the envelope as those shall not be considered for bid evaluation. **The "Spare Price List" (CRITICAL SPARES- Item under Point 2(b) – Insurance spares only) should not be uploaded along with the Techno-commercial Bid/Un-priced Bid in the GeM portal.**

N. AFTER SALES SERVICE

The nature of after sales service, which can be offered by the bidder during initial commissioning and also subsequently should be clearly stated.

O. GENERAL NOTES:

- 1.0 **A system will be considered as successfully commissioned only after obtaining valid DGMS approval for all the constituent equipment/instruments of the system.**

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

ANNEXURE – II

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

The bid must conform to the specifications and terms and conditions given in the enquiry. Bid shall be rejected in case the items offered do not conform to all the required technical parameters stipulated in the technical specifications and to the respective international / national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements shall have to be particularly met by the bidders, without which the offer shall be considered as non-responsive and rejected.

A. TECHNICAL

1.0 BIDDER'S ELIGIBILITY:

- 1.1 The offered pump should be a horizontal, single acting, triplex plunger pump conforming to API 674 standards/ American Hydraulic Institute (ANSI/HI) standards, suitable for meeting the delivery parameters (Volume and Pressure) mentioned in the tender.

[Note: Speed of the pump (RPM of Pump crank shaft) should be as per API-674 standard.]

- 1.2 Prime mover of the pump should be squirrel cage rotor Induction motor shall be 3-phase, FLAMEPROOF type (Ex-d), suitable for installation in Zone-1, Zone-2 Hazardous Area, Gas Group IIA and IIB, of Oil Mine and capable of providing net BHP in the range as mentioned in the tender with limiting rpm 1500 and the motor rating should be limited to Maximum 75 KW or 100 HP.
- 1.3 The bidder should be an OEM or authorized dealer of OEM of the pump or an OEM (of pump) recommended assembler of pump sets. In all cases, the bidder has to purchase the Motor from an OEM of Motor or their Authorized Dealer. Undertaking from the bidder in this regard must be enclosed with the offer failing which the offer will be rejected.
- 1.4 If the bidder is an OEM (of pump) recommended assembler of pump sets, he must purchase the pump and the motor from OEM or their authorized dealer. Undertaking from the bidder in this regard must be enclosed with the offer failing which the offer will be rejected. The assembler should indicate that necessary infra structural facilities for fabrication and load testing of the pump sets are available with them. Bidders other than the OEM must furnish the following undertaking from the OEM.

Date of manufacture, make, model, serial no., test certificate, literatures and parts book of the pump and also the operation & maintenance manual of pump will be submitted if order is placed on the bidder.

- 1.5 Bidder must have successfully supplied at least 02 (two) nos. continuous duty pump sets (*of capacity 25 KLPH and above*) of “**similar nature**” in a single order, for water flood/formation water disposal/ hydrocarbon service applications in PSUs/Central Government Undertakings/Public Limited Companies in the Oil & Gas sector in the last 10(ten) years reckoned from the original bid closing date of the Tender. Copies of purchase orders from the clients indicating the supply of such equipment are to be submitted with the offer. The orders are to be further substantiated by satisfactory performance certificates from the customer.

Note:

- (i) The bidder shall submit documentary evidence/details of the previous supply of such pump set in a tabular format along with the bid. The copy of such format is attached with the tender (**APPENDIX-I**).
- (ii) “**Similar nature**” pump means horizontal, single acting, triplex plunger pump conforming to API 674 standards/ American Hydraulic Institute (ANSI/HI) standards.
- 1.6 The model of pump offered as per tender (both Volume & pressure) should be one that has a proven track record for continuous duty water flood / formation water disposal / hydrocarbon service applications. The model should be one that has been successfully deployed for any of the continuous duty applications, viz: water flood / formation water disposal / hydrocarbon service, for a minimum period of 2400 hours. In this regard satisfactory performance certificate of the offered model pump from the end users shall to be enclosed along with the offer.

N.B.:

1. "Continuous duty" means pump having service operation on full load for a period of 8 hours to 24 hours per day as per Hydraulic Institute Standard application.
2. Hydrocarbon Service Application of continuous duty plunger pumps in the context of this tender refers to applications where such pumps are deployed for duties such as crude oil transfer, condensate injection, polymer injection, glycol injection etc. in the E & P Sector and also continuous duty handling of petroleum and petrochemical products in the Refining & Distribution Sector of the Oil & Gas Industry.

- 2.0 **DELIVERY PERIOD:** Delivery of all the items must be completed within 9(nine) months from the date of issue of Purchase order. The date of receipt of materials at site shall be considered as the date of delivery.

Installation/Commissioning of the CODPs to be completed within 3 (three) months from the date of receipt of site clearance from OIL.

- 2.1 Bids submitted by Bidders quoting delivery period more than the above-mentioned duration shall not be accepted. Bidders must categorically confirm the delivery period in their Technical Bid.

B. BRC - FINANCIAL:

- 1.0 The bidder shall have an annual financial turnover of minimum **INR 1,45,20,000.00** during any of the preceding 3 (Three) financial/accounting years reckoned from the original bid closing date of the tender.
- 2.0 "Net Worth" of the bidder must be positive for the financial/accounting year just preceding to the original Bid Closing Date of the Tender.
- 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 (**PROFORMA – 1**) certifying that 'the balance sheet/Financial Statements for the financial year (as applicable) 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 technical 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 (**PROFORMA – 2**)
- OR
- ii) Audited Balance Sheet alongwith 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 on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US\$.

5.0 In case the Bidder is subsidiary company (should be 100% owned subsidiary of the parent/ultimate parent/holding company) who does not meet financial criteria by itself and submits its bid based on the strength of parent/ultimate parent/holding company, then following documents need to be submitted:

- (i) Turnover of the parent/ultimate parent/holding company should be in line with Para B (1.0) above.
- (ii) Net Worth of the parent/ultimate parent/holding company should be positive in line with Para B (2.0) above
- (iii) Corporate Guarantee (**PROFORMA - 3**) on parent/ultimate parent/holding company's company letter head signed by an authorized official undertaking that they would financially support their wholly owned subsidiary company for executing the project/job in case the same is awarded to them.
- (iv) Documents to substantiate that the bidder is as 100% subsidiary of the parent/ultimate parent/holding company.

ANNEXURE - III

GENERAL NOTES TO BIDDERS

- 1.0 Bidders shall submit their offer mentioning pointwise compliance/noncompliance to all the terms & conditions, BEC/BRC, Specifications etc. Any deviation(s) from the tender terms & conditions, BEC/BRC, Specifications etc. should be clearly highlighted specifying justification in support of deviation.

- 2.0 The Bidder to submit following Technical Evaluation Sheet & Appendices along with technical bid -

Annexure -IV: Technical Evaluation Matrix (Technical Specification)

Annexure - V: Bid Evaluation Matrix (Bid Rejection Criteria)

Appendix – I: Documentary evidence / Supply Details for Single Acting Triplex Plunger Pump Set

Appendix – II: Technical Checklist

Appendix – III: Data Sheet

- 3.0 OIL shall be entering into an Integrity Pact, **if applicable** with the bidders as per format enclosed vide **PROFORMA - 4** 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 have 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.

OIL's Independent External Monitors at present are as under:

Shri Sutanu Behuria, IAS (Retd.),
e-mail ID : sutanu2911@gmail.com

Shri Om Prakash Singh, IPS (Retd.),
Former DGP, Uttar Pradesh
e-mail: Ops2020@rediffmail.com

Shri Rudhra Gangadharan, IAS (Retd.),
Ex-Secretary, Ministry of Agriculture
e-mail id : rudhra.gangadharan@gmail.com

- 3.1 In case of a joint venture, all the partners of the joint venture should sign the Integrity Pact.
- 3.2 In the event of any dispute between the management and the contractor relating to those contracts where Integrity Pact is applicable, in case, both the parties are agreeable, they may try to settle dispute through mediation before the panel of IEMs in a time bound manner. If required, the organizations may adopt any mediation rules for this purpose. In case, the dispute remains unresolved even after mediation by the panel of IEMs, the organisation may take further action as per the terms and conditions of the contract.
- 4.0 **Categorisation and various criteria applicable to MSE bidders shall be guided by the Gazette Notification No. CG-DL-E-26062020-220191 dated 26.06.2020 issued by MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISE.**

The bidder claiming as MSE status (MSE-General, MSE-SC/ST, MSE -Woman) against this tender has to submit the following documents for availing the benefits applicable to MSEs:

- i. **Udyam Registration Number with Udyam Registration Certificate.**

Note: In case bidding MSE is owned by Schedule Caste or Schedule Tribe entrepreneur or Woman Entrepreneur, valid documentary evidence issued by the agency who has registered the bidder as MSE owned by SC/ST entrepreneur/ Woman Entrepreneurs should also be enclosed.

- 5.0 **POLICY TO PROVIDE PURCHASE PREFERENCE (LINKED WITH LOCAL CONTENT) (PPLC):**

Bidders to note that Ministry of Petroleum & Natural Gas, Government of India implemented PPLC Policy to provide Purchase Preference (linked with local content) by notification no. Ref. FP-20013/2/2017-FP-PNG dtd. 17.11.2020 and its amendment issued from time to time. PP-LC Policy (including its latest modifications/amendments) as may be prevailing on the date of Price Bid Opening shall be applicable against this tender. Bidders are requested to go through the policy and take note of the following while submitting their offer.

1. Certification and Verification

Class I/Class II Local suppliers are eligible to bid only if they meet the local content norms, therefore whether or not they want to avail PP-LC benefit, it will still be mandatory for them to give adequate documentation as follows to establish their status as class-I or class-II local supplier:

(i) At bidding stage:

a) Price Break-up:

- The bidder shall provide the percentage of local content in the bid.

b)

- The bidder shall submit an undertaking from the authorised signatory of bidder having the power of Attorney alongwith the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.
- In cases of procurement for a value in excess of Rs 10 crores, the undertaking submitted by the bidder shall be supported by a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practising chartered accountant (in respect of other than companies) giving the percentage of local content.
- However, in case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/ subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practising cost accountant or practising chartered accountant giving the percentage of local content is also acceptable.

(ii) After Contract Award

- The bidder shall submit an undertaking from the authorised signatory of bidder having the power of Attorney alongwith the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.
- In cases of procurement for a value in excess of Rs 10 crores, the undertaking submitted by the bidder shall be supported by a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practising chartered accountant (in respect of other than companies) giving the percentage of local content.
- However, in case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/ subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practising cost accountant or practising chartered accountant giving the percentage of local content is also acceptable.

2. Each supplier shall provide the necessary local-content documentation to the statutory auditor, which shall review and determine that local content requirements have been met, and issue a local content certificate to that effect on behalf of procuring company, stating the percentage of local content in the good or service measured. The Auditor shall keep all necessary information obtained from suppliers for measurement of Local Content confidential.

3. The Local Content certificate shall be submitted along with each invoice raised. However, the % of

local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.

4. As regards cases where currency quoted by the bidder is other than Indian Rupee, exchange rate prevailing on the date of notice inviting tender (NIT) shall be considered for the calculation of Local Content.
 5. The Procuring Company shall also have the authority to audit as well as witness production processes to certify the achievement of the requisite local content.
- 6.0 **Bidder to categorically confirm under which policy i.e. PP-LC or MSME, they want to avail the benefit and to submit requisite document/certificate in support to avail this benefit. The bids will be evaluated based on their declaration.**

- 7.0 Ministry of Finance of Govt. of India, Department of Expenditure, Public procurement Division vide office memorandum F. No. 6/18/2019-PPD dated 23rd July, 2020 (order-Public Procurement no.1) has proclaimed the insertion of Rule 144 (xi) in the General Financial Rules (GFRs), 2017 w.e.f. 23rd July, 2020 regarding restrictions on procurement from a bidder of a country which shares a land border with India on the grounds of defence of India on matters directly or indirectly related thereto including national security. Bidders are requested to take note of the office memorandum and submit their offers accordingly, wherever applicable. In this regard, bidders must submit duly sealed & signed undertaking as per format provided vide, “**PROFORMA-5**” along with the technical bid.

8.0 **TAX COLLECTIBLE AT SOURCE (TCS):**

Tax Collectible at Source (TCS) applicable under the Income-tax Law and charged by the SUPPLIER shall also be payable by OIL along with consideration for procurement of goods/materials/ equipment. If TCS is collected by the SUPPLIER, a TCS certificate in prescribed Form shall be issued by the SUPPLIER to OIL within the statutory time limit.

Payment towards applicable TCS u/s 206C (IH) of Income Tax Act, 1961 will be made to the supplier provided they are claiming it in their invoice and on submission of following undertaking along with the invoice stating that:

- a. TCS is applicable on supply of goods invoiced to OIL as turnover of the supplier in previous year was more than Rs. 10 Cr. and
- b. Total supply of goods to OIL in FY (As applicable) exceeds Rs. 50 Lakh and
- c. TCS as charged in the invoice has already been deposited (duly indicating the details such as challan No. and date) or would be deposited with Exchequer on or before the due date and
- d. TCS certificate as provided in the Income Tax Act will be issued to OIL in time.

However, Performance Security deposit will be released only after the TCS certificate for the amount of tax collected is provided to OIL. Supplier will extend the performance bank guarantee (PBG), wherever required, till the receipt of TCS certificate or else the same will be forfeited to the extent of amount of TCS, if all other conditions of Purchase order are fulfilled.

The above payment condition is applicable only for release of TCS amount charged by supplier u/s 206C (I H) of Income tax Act, 1961.

- 9.0 At any time prior to the deadline for submission of bids, the Company may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the tender Documents through issuance of Corrigendum(s)/Addendum(s). Bidders are expected to take the Corrigendum(s)/ Addendum(s) into account in preparation and submission of their bid. No separate intimation for Corrigendum(s)/Addendum(s) published by OIL shall be sent to the Bidders.

APPENDIX – I

ATTACHMENT TO BRC CLAUSE NO. 1.5

(Documentary evidence / Supply Details for Single Acting Triplex Plunger Pump Set)

Sl. No.	Client / customer Name and Address with contact e-mail id	Order No / Contract No.	Date of order	Pump specification: Make, Model, Capacity (Discharge in CUM /HR & Pressure in KSC of pump) & Quantity supplied	Completion date	Supporting document enclosed
1						
2						
3						
4						
5						
6						
7						
8						
9						

APPENDIX-II

TECHNICAL CHECKLIST

*The Technical Check List must be completed and submitted 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/No/Not Applicable** to the following questions, in the right hand column*

SL. NO.	DESCRIPTIONS	COMPLIANCE Yes/No/Not Applicable	REMARKS
1	Whether quoted as OEM of Pump and whether documentary evidences submitted?		
2	Whether quoted as authorised dealer of Pump and whether documentary evidences submitted?		
3	Whether quoted as OEM recommended assembler of Pump sets and whether documentary evidences submitted?		
4	Whether the offered Pump is a horizontal, triplex plunger Pump as per API 674 standard?		
5	Whether the Pump is designed for continuous service duty?		
6	Whether the offered Electric Motor meets the specification mentioned in the tender?		
7	Whether the Calculation behind selection of Motor Rating (HP or KW) furnished with the offer as per NIT?		
8	Whether the Motor is rated for continuous power?		
9	Whether Test Certificates or Declaration against FLP Items furnished with the offer?		
10	Whether the speed reduction gear box is external foot-mounted?		
11	Whether the floor of the three runner skid shall be covered by checkered plates?		
12	Whether Flexible disc couplings have been incorporated in the transmission?		
13	Whether guards shall be provided over couplings?		
14	Whether the two years spares for the packages indicated have been quoted?		
15	Whether special tools and commissioning spares have been included in the scope of supply?		
16	Whether spares shall be available for 10 years after supply of equipment?		
17	Whether separately highlighted any deviation from the technical specifications?		
18	Whether the Pre-despatch inspection of the Pump packages shall include Full Load Performance test of the Pump Sets?		
19	Whether "Spare Price List" (<u>CRITICAL SPARES- Item under Point 2(b) – Insurance Spares only</u>) submitted as per methodology mentioned in the tender.		

APPENDIX-III

DATA SHEET

<u>MOTOR DATA SHEET</u>		
1	Make	
2	Model	
3	Type	
4	Voltage	
5	Frequency	
6	No of phases	
7	No of poles	
8	Enclosure	
9	Cooling system	
10	Direction of rotation	
11	Insulation class	
12	Rated rpm	
13	Duty	
14	Mounting	
15	Starting	
16	Switching	
17	Terminal box	
18	Gland	
19	Type of drive	
20	Bearing	
21	Gross hp at rated rpm	
22	Net hp available at 1500 rpm	
23	Make and model of coupling motor and gearbox	

<u>PUMP DATA SHEET</u>		
1	Make	
2	Model	
3	Size (plunger diameter x stroke length)	
4	Limiting pressure and volume at offered size	
5	Offered speed	
6	Limiting speed as per relevant standard	
7	Discharge volume @ offered speed (n vol = 95%)	
8	HP requirement as per nit parameters	
9	Make and model of external gear box	
10	Gear ratio of external foot mounted gear box	
11	Type and size of coupling between motor shaft and gear box input shaft	
12	Type and size of coupling between gear box output shaft and triplex pump input shaft	

ANNEXURE – IV

BID EVALUATION MATRIX (TECHNICAL) (TO BE FILLED IN BY BIDDER DULY SIGNED)				
SL. NO.	SECTION/ SUB-SECTION	DESCRIPTION	BIDDER'S RESPONSE (Complied / Not Complied/Deviation / Not Applicable)	TO BE FILLED BY THE BIDDER Relevant Location of their Bid to support the remarks/compliance (Reference of Document name / Serial number / Page number of bid for documentary evidence)
A	PUMP			
A.1		Type Horizontal, single acting, triplex plunger pump manufactured as per API Standard 674 / American Hydraulic Institute (ANSI/HI) standards .		
A.2		Capacity and Discharge The plunger size selected should be adequate to meet the pressure and volume requirements of 50 Kg/ Sq.cm and 25 CuM/hr respectively.		
A.3		Pump Speed The speed limit of the offered pump shall be governed by the maximum allowable speed ratings for single acting plunger type pumps in continuous service as per API Standard 674. NOTE: 'Continuous duty' means pump having service operation on full load for a period of 8 hours to 24 hours per day as per Hydraulic Institute Standard application.		
A.4		Fluid end features i. Aluminum Bronze / Forged Carbon Steel / Cast Nodular Iron , Valve cover, Valve , Mono Block Fluid End with bolt on type valve covers ii. Al Bronze / Carbon Steel / Nodular Iron stuffing boxes iii. Hard coated plungers iv. General service packing		

		<ul style="list-style-type: none"> v. Suitably designed valves with tapered valve seats pressed onto mono block fluid end vi. Three feed belt driven packing lubricator, to drip feed (Make : PREMIER / MEGA) vii. Suction and Discharge on either side 		
A.5		<p>Power end features</p> <ul style="list-style-type: none"> i. One piece Cast Iron frame ii. Alloy steel / Cast Nodular Iron crankshaft iii. Heavy duty Taper Roller crankshaft bearings iv. Two piece , steel backed, precision type, Aluminum alloy / Tin & Babbit lined crank pin bearings v. Ductile / nodular iron connecting rods vi. Nodular Iron / Cast Iron cross heads vii. Bronze crosshead pin bushings viii. Alloy Steel crosshead pins ix. Stainless Steel pony / extension rods x. Flooded sump Splash Lubrication for power end xi. Sight glass gauge or oil level dipstick 		
A.6		<p>Accessories</p> <ul style="list-style-type: none"> i. Full flow, suitably sized and rated, spring loaded, Reset Relief Valve, mounted on the discharge piping. (Make: OTECO/ BAIRD / CAMERON or equivalent) <p><i><u>N.B.:</u> The relief valve is to be set at 110% of our maximum pressure requirement at the time of delivery.</i></p> <ul style="list-style-type: none"> ii. Liquid filled discharge pressure gauge having a range up to 100 Kg/ Sq.cm, with built in dampening mechanism to minimize fluctuations for accurate response to pressure changes. (Make: OTECO/ CAMERON / MARTIN DECKER or equivalent) iii. Suitably designed Suction Stabilizer and Discharge Pulsation Dampener (Diaphragm type, pre charged), mounted and installed in line with the suction and discharge piping. <p><i><u>N.B.:</u> Dampeners should be of Carbon Steel construction built to ASME pressure vessel codes and code stamped.</i></p>		

		<p>iv. The pump suction piping should incorporate a suitably sized Gate / Ball valve and suction stabiliser while the discharge line should incorporate a suitably sized Ball valve/Gate valve , a Check valve, a Drain valve (to de-pressurize the system when carrying out maintenance of the unit),a by-pass valve, a Reset relief valve and discharge pulsation dampener. Suction and discharge piping, fitting and accessories connection should be preferably as per the sketch enclosed.</p> <p>NB:</p> <p>a) The discharge valve/By-pass valve should be full opening/ full bore ball valve/Gate valve conforming to API 6D specification, RTJ Flanged ends of suitable size and pressure rating with a pair of companion RTJ flange (weld neck) conforming to ANSI B16.5 (latest edition), complete with two no ring joint gaskets and requisite no. of studs and nuts.</p> <p>b) The check valve of discharge line should be full opening/ full bore check valve conforming to API 6D specification, bolted cover, renewable seat, RTJ Flanged ends of suitable size and pressure rating with a pair of companion RTJ flange (weld neck) conforming to ANSI B16.5 std.(latest edition)complete with two no ring joint gaskets and requisite no of studs and nuts.</p> <p>c) All the pipes, valves and fittings of the suction/discharge line should be of same size.</p> <p>v. Complete set of fittings, interconnection piping and companion flanges with appropriate bolting, gaskets, dampener brackets, blind flanges etc. required for mounting all items mentioned above.</p>		
A.7		<p>Duty / Service</p> <p>The pump should be designed for continuous duty application. Necessary credentials in this regard, in the form of product catalogues / brochures from OEM should be furnished.</p> <p>NOTE : ‘Continuous duty’ means pump having service operation on full load for a period of 8 hours to 24 hours per day as per Hydraulic Institute Standard application.</p>		
A.8		Liquid to be handled:		

		<p>The pumping unit should be suitable for pumping crude oil. A recent Test report of a typical sample is provided to assist the selection process:</p> <p>API Gravity at 60 Deg F : 30 PH : 7.2 Salinity (ppm) : 4400 CO3 : NIL HCO3 : 305 Pour Point (Deg C) : 27 Water Content (% v / v) : 21 Pumping Temp : 34 to 35 Deg C Viscosity : 13 cp @26 Deg C, 17 cp @24 Deg C, 29 cp @22 Deg C Sp. Gravity : 0.8574 @ 35 Deg C and 0.8718 @ 15 Deg C</p>		
A.9		<p>Suction condition: Positive suction</p>		
A.10		<p>Name plate and rotation arrows: A nameplate shall be securely attached at a readily visible location wherein the manufacturers name, machine serial number, maximum and minimum design limits and rating data, maximum allowable working pressure and temperatures, hydrostatic test pressure etc. should be clearly indicated. Rotation arrows indicating direction of rotation of major items should be cast in or attached.</p>		
A.11.I		<p>The following documents should be forwarded along with the quotations:</p> <p>(a) Product line catalogue, specifying materials of construction and constructional features of the triplex plunger pump and technical literatures of all ancillary equipment. (b) Performance chart of the plunger pump including all technical calculations such as hydraulic horse power, volumetric efficiency, mechanical efficiency, RPM, gear ratio, maximum plunger load, NPSH requirement, etc. (c) Detail of Motors and motor glands as per tender.</p>		
A.11.II		<p>The following documents shall have to be forwarded within a month of issue of LOI or placement of firm order</p> <p>(a) Foundation diagrams for the complete pump set indicating the static and dynamic loads of the package.</p>		
A.11.III		<p>The following documents must be forwarded along with the supply of equipment</p> <p>(a) Certified Test Results (b) Certificate of hydrostatic testing</p>		

		(c) Manufacturers certificate of authenticity (d) Certificate of test/conformance of pump, motors and associated ancillaries like relief valves, pressure gauges, dampeners, etc. (e) Operation and Maintenance manuals, parts lists of pump, electric motor, gear box and all other accessory equipment.		
B	SPEED REDUCTION GEAR BOX	<p>The speed reduction from the Prime Mover (Electric Motor) at its rated rpm to the desired rpm of pump shall be effected by means of a separate external foot mounted gear box installed between the prime mover and the pump.</p> <p>The Gear Box should be SHANTHI/GREAVES/ PREMIUM Make parallel shaft speed reducer with a gear rated to designed HP from an Electric Motor at rated RPM to the pump at desired RPM, with a suitable Gear ratio, and a minimum service factor of 1.75 as per American Gear Manufacturers Association (AGMA SF). The unit design includes cast iron housing, helical gear elements, anti-friction roller bearings on all shafts, and a self-contained splash lubrication system with a shaft driven lube oil pump and radiator type air/oil cooler to meet the thermal horsepower requirements.</p>		
C	DRIVE ARRANGEMENT	<p>The drive arrangement will involve flow of prime mover power through Direct Flexible Disc coupling to the input shaft of an external foot mounted speed reduction gearbox and finally from the Output shaft of the gearbox to the crankshaft of the triplex pump through a Flexible Disc coupling.</p> <p>Suitably selected Flexible Disc / Grid Member Couplings should be incorporated to transfer power from the prime mover to the triplex pump through the transmission, as illustrated in the schematic diagram.</p> <p>N.B.: All rotating parts should be covered by suitable guards.</p>		
D	PRIME MOVER			
D.1		Type: The motor shall be 3- phase, FLAMEPROOF type (Ex-d), suitable for installation in Zone-1, Zone-2 Hazardous Area, Gas Group IIA and IIB, of Oil Mine.		
D.2		HP/KW Rating of the Motor: KW/HP rating of motors to be calculated by supplier/OEM of pump set as per pump requirement. Motor rating shall be minimum 10 % higher than the HP or KW required immediately after the motor shaft [i.e. Motor capacity in HP or KW shall be 1.1 times of (Pump capacity in HP or KW + all losses in the mechanical system, e.g. coupling loss etc.)]. Both pump capacity and motor capacity calculation sheets to be attached with the bid. The motor rating should be limited to Maximum 75 KW or 100 HP.		
D.3		Enclosure: TEFC, FLP with Degree of protection - IP55. CI/ MS enclosure painted with Epoxy based DA Grey Paint.		

D.4		Insulation: Vacuum pressure impregnated. Class F with temperature rise limited to that of class B.		
D.5		Standards: Motor shall confirm to IS/IEC 60079-0 : 2011, IS/IEC : 60079-1: 2007, IS 12615 - 2018 and IS/IEC: 60034 for performance and service.		
D.6		Voltage: Motor shall be suitable for $415 \pm 6\%$ volts, 3 Phase, 50HZ, AC supply and should withstand high voltage fluctuation.		
D.7		Freq.: 50 Hz +- 3%		
D.8		RPM : To match driven equipment		
D.9		Duty : Continuous (S1)		
D.10		Mounting: As per equipment design.		
D.11		Shaft support : Rolling element Bearings at DE and NDE		
D.12		Cooling : Bidirectional cooling fan at NDE		
D.13		Terminal stud arrangement of winding: 6 nos. terminal studs shall be available in the terminal box and shall be marked for identification. Terminal studs shall be required for heater, if fitted.		
D.14		Switching: 15 Cold Starts /Hr.		
D.15		Ambient: Max. 40°C, Min 6°C, 95% RH, Altitude-150 Mtr		
D.16		Terminal Box: FLP Cable termination box with brought out terminal studs suitable for terminating PVCA Aluminum cables of proper size as per rating of motor. Terminal shall be of brass with non-hygroscopic insulation support (FRP or DMC) suitable for tropical climate. Suitable termination arrangement shall also be provided in case the heater is installed. No. of cable entries to the terminal box, and hole size would be decided after placement of the order depending on motor rating, starter type and cable size. Cable entry thread ET type. Suitable flameproof double compression type cable gland(s) shall be provided along with motor / terminal box.		
D.17		Glands: FLP double compression, Nickel plated brass glands, as per cable size shall be fitted in all the cable entries in terminal box of the motor. Make of Gland: Baliga, GMI, Dowells, Sudhir.		
D.18		Earthing: Two nos. of earthing studs to be provided on both sides of the motor. Earthing system for the motor shall be as per the IS: 3043-2018.		
D.19		Lifting Eye: Lifting hook(s) shall be provided for lifting the motor.		
D.20		Markings: Name plate details with name of manufacturer, frame size, rated voltage, rated output, current, frequency, type of duty, class of insulation, no. of phases, speed in rpm at rated output, degree of protection, winding connections, ambient temp, bearing sizes, lubricant, lubrication material and year of manufacture, Flameproof Test Certification details conforming to IS/IEC 60079.		

D.21		<p>Certificates:</p> <p>(A) Test certificate of Motor for routine tests done at manufacturer's works shall be submitted with the supply.</p> <p>(B) Certification of Flameproof Items: Against all flameproof items (Motor & Cable Gland) bidder shall furnish (along with the offer) test certificates conforming to the latest version of IS/IEC 60079-0:2011, IS/IEC 60079-0:2007 and IS/IEC 60079-1:2007 standard from CIMFR (Central Institute of Mining and Fuel Research) or any other NABL (National Accreditation Board for Testing Laboratories, India) accredited Indian Government Laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility.</p> <p>In case, such certificates not available at the time of bidding, then the bidder has to provide a declaration that on placement of order, within 15 days, all the essential test certificates will be produced for OIL's review/scrutiny before finalization of the selected make/model of the flameproof item/equipment. In such cases, OIL may ask for a change in the selection, if produced test certificate is not found in order. Hard copies of all the test certificates have to be supplied along with the materials. Despatch clearance will not be given to supplier unless above (1) test certificates and (2) bill of electrical materials are duly approved by OIL.</p> <p>Bids/offers not accompanying the above test certificates/declaration will not be considered for technical evaluation.</p>		
D.22		Guarantee: Motor shall be guaranteed for one year. Guarantee certificate shall be submitted with the supply.		
D.23		Make: Bharat Bijlee/ Crompton Greaves/ KEC/ Siemens/NGEF / Marathon / ABB.		
D.24		<p>General Notes on motor</p> <p>(i) The FLP motor and the FLP gland(s) must be suitable for installation in Hazardous Area Zone 1 area, Gas Group IIA and IIB, of Oil Mine. These must be conforming to the latest version of IS/IEC 60079-0:2011, IS/IEC 60079-0:2007 and IS/IEC 60079-1:2007. Test certificates in this regard must be provided along with materials.</p> <p>(ii) Frame size & make of the offered motor should be mentioned in the offer.</p> <p>(iii) Copy of the drawing of the offered FLP Motor enclosure showing terminal box & cable entry arrangement with double compression FLP cable gland to be submitted with the offer.</p> <p>(iv) All unused cable entries holes must be plugged with appropriate type metallic plugs.</p>		

		(v) Packing should be suitable for transit damage & protection against tropical rains. (vi) Bidder must categorically mention that their offer complies with all the features mentioned in the Motor specification & all the relevant documents required as per above points are enclosed in their offer.		
E	INSTRUMENTATION FOR CODP:			
E.1.0		The CODP shall be controlled by a Programmable Logic Controller (PLC) with Panel mounted HMI- Human Machine Interface for display & alarm of critical parameters and safety shutdown. The HMI shall be color TFT display (minimum of 10 Inch) with touch screen and all alarm/ shutdown set point shall be configurable via HMI.		
E.2.0		The PLC shall be Rockwell Automation make SLC 5/03 processor or equivalent with necessary I/O. (Input/Output) modules. It shall also be provided with an Ethernet communication module for remote monitoring of the CODP parameters from control room.		
E.3.0		The Control panel shall be an explosion proof control panel with a glass window for viewing the CODP parameters. The Control panel shall be certified to use in Zone1, Zone2, Gas group IIA & IIB (Division 1, Division 2, Gas group Class I, Group C&D) environment.		
E.4.0		The following instrumentation items shall be provided for CODP. However, the supplier has to include, but not limited to all the items such that the supplied system is functionally and operationally complete in all respect: # Pump Suction Pressure Transmitter # Pump Discharge Pressure Transmitter # Pump Vibration Switch # Oil level switch for Pump sump # Pump Outlet Flow Transmitter # Motor Bearing Temperature (if possible) # Motor Voltage # Motor Current		
E.5.0		All electronic/electrical instruments and equipment use in hazardous area should fulfill the following: 5.1 Item shall be of a type and specification confirming to the relevant standards as specified in the Regulation 107(2) of Oil Mines Regulation-2017 and complying the provisions therein. 5.2 Bidder should supply documents specifying the type, details of specification, reference of the particular standard, test criteria as per the		

		standards and status of testing, place of testing, copies of test reports from Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body which is not a part of manufacture's facilities. 5.3 In this regard, Bidder may refer OMR-2017 ॐ Notification dated 18th October 2017, published in the Gazette of India, under Ministry of Labour and Employment, Directorate General of Mines Safety, published on 2nd November 2017.		
E.6.0		The supplier has to provide 3 (THREE) sets each of the following documentation: # Operation and maintenance manual of each field Instrument # Instrument list and Instrument data sheets # Test & Calibration reports # As built & Hook up drawings # Wiring diagram of the control panel # Detailed operation and maintenance manuals of the PLC system # Ladder logic developed for the PLC		
E.7.0		The supplier has to provide ONE Lap-top computer for Programming the PLC & HMI. The minimum technical specification for the Lap-top shall be as follows: Processor-8th Gen core-i5, RAM-8GB, HDD-500 GB, 14 inch HD LED Display, OS-Latest Windows OS, 1 year anti-virus license with carry case for comfortable handling. It shall be loaded with the all relevant PLC software (programming & communication software). All the required software shall have lifetime validity license and bidder shall provide license preferably as USB dongle. All necessary back up shall also be loaded in the lap-top.		
E.8.1		PUMP SUCTION PRESSURE TRANSMITTER MAKE : DRUCK or Equivalent MODEL : PTX1240 RANGE : 0 TO 200 PSI OUTPUT : 4 TO 20mA		
E.8.2		PUMP DISCHARGE PRESSURE TRANSMITTER MAKE : DRUCK or Equivalent MODEL : PTX1240 RANGE : 0 TO 3000 PSI OUTPUT : 4 TO 20mA		
E.8.3		PUMP VIBRATION SWITCH		

		<p>MAKE : MURPHY or Equivalent</p> <p>MODEL : VS2EX</p> <p>To detect vibration / Shock in 3 places of motion</p> <p>Fully adjustable</p> <p>Manual / Electrical reset</p>		
E.8.4		<p>OIL LEVEL SWITCH (PUMP SUMP, GEAR BOX)</p> <p>MAKE : MURPHY or Equivalent</p> <p>MODEL : EL150X</p> <p>Float : Brass</p> <p>Contact rating : 2A, 30 VDC</p> <p>Max Working Pressure : 25 PSI</p>		
E.8.5		<p>TURBINE FLOWMETER</p> <p>MAKE : NU FLO or Equivalent</p> <p>MODEL : MC II PLUS EXP</p> <p>POWER SUPPLY : MAX 30 VDC</p> <p>OUTPUT : 4 TO 20 mA</p> <p>LCD DISPLAY : FLOW RATE & TOTAL FLOW</p>		
E.9	CONTROL PANEL	<p><u>CONTROL PANEL:</u></p> <p>The PLC based control panel shall be suitably located for a clear view. The control panel shall be manufactured of a corrosion resistant material and shall include permanent labeling of all controls and instrumentation. The control panel shall include an HMI- Human Machine Interface (colour TFT display) with touch screen and alarm/ shutdown set point shall be configurable via HMI. The display/monitoring panel shall be an anti-reflective glass panel for increased visibility in intense sunlight.</p> <p>There shall have the following features:</p> <p>All normal operational functions should be available using panel mounted push buttons.</p> <p>Digital readout with shutdown and alarm annunciation for the following:</p> <ul style="list-style-type: none"> (i) Pump discharge pressure (ii) Pump suction pressure (iii) Pump outlet flow 		

		<p>The following discrete alarms/shutdowns should also be provided:</p> <ul style="list-style-type: none"> (i) Pump crank case oil level (ii) Pump vibration (iii) Emergency shutdown push button (iv) Motor "ON" (v) Motor "OFF" (vi) Motor "TRIPPED" <p>24 VDC control power supply shall be provided for the following devices:</p> <ul style="list-style-type: none"> (i) Pump discharge pressure transducer (ii) Pump suction pressure transducer (iii) Pump discharge flow meter <p>N.B: Programmable Logic Controller (PLC) shall be used to Display the process parameter and safe shutdown of the Motor for instrumentation parameters. For safe shutdown of the Motor, PLC shall generate potential free digital output (DO) signal which shall be connected through hard wired with the Motor Control Circuit. Once the Motor tripped due to any instrumentation shutdown parameters, manual reset is required in the form of potential free digital input (DI) to PLC which shall be connected through hardwired to take the Motor inline</p>		
	SPECIAL NOTES	<ol style="list-style-type: none"> 1. The bidder must submit detailed technical specifications with all relevant technical catalogues, statutory certificates etc. for Instrumentation items of their offered model no along with the bid for technical evaluation. 2. Bidder shall submit necessary documents along with the offer for all electronic/electrical instruments and equipment used in zone "1" or zone "2" hazardous area as per the Regulation 107(2) of OMR 2017. 3. Successful bidder has to take approvals of the following from OIL: <ul style="list-style-type: none"> i. Control System cabinet Wiring Details ii. Transmitters/ Switches locations & installation plan iii. Loop diagram & loop details iv. Cable schedule v. Project Implementation Schedule 4. Test and calibration certificates for instruments have to be provided along with the supply. 5. The materials shall be packed in robust cartoons so as to avoid damage in transit 		

		<p>6. OIL reserves the right to inspect, test and if necessary reject any part/parts after delivery at site (including incomplete manuals, catalogues, etc.) in case of any fault on the part of the supplier he has to replaced/repair at his own cost.</p> <p>7. The bidders must submit a written undertaking (along with the bid) that they would be able to supply all the requisite spares and consumables (including bought out items) for a minimum period of 10 (ten) years from the Certified date of completion / successful field commissioning of the unit.</p> <p>8. Supply of all necessary accessories & fittings like-pipe, cable tray, Junction Box, Cable gland cable tie, nut bolt, screw, clamp, etc. required to complete the installation and commission is under the scope of bidders.</p>		
F	PUMP PACKAGE UNITISATION	<p>The pump set is to be supplied with all components and accessories fitted and mounted on a robust oilfield type three runner portable master skid. The floor of the skid should be covered with anti-skid steel plates. While unitizing the pump set, easy approach to various components should be kept in mind, to facilitate operational and maintenance requirements. The skid should be fabricated out of properly sizes beams to withstand loading / unloading and transfer in oil field trucks.</p> <p>The skid shall be sized to contain the entire pump and motor unit and should include the following components:</p> <ul style="list-style-type: none"> a) Drip pan for cradle/fluid area of pump and packing area complete with threaded drain b) Dip lip for cradle / fluid area of pump and packing area c) Grouting holes d) Horizontal adjustment screws for minor adjustment e) Two grouting bosses on skid f) Interconnection piping spool pieces on suction and discharge with ancillary components g) Non sparking Aluminum safety guards. h) One set of proper size foundation bolts and nuts (J type bolt) with each pump sets. The foundation Bolt & nut for the skid is to be in accordance with ASTM #A193 B7 Standard. <p><u>N.B.:</u> The unitization process shall also include following:</p>		

		<p>a) <u>Painting of skid, pump, piping and other accessories.</u> Paint / finish specifications shall consist of wire brushing structural pieces and piping, solvent cleaning of components, one coat of red oxide alkyd primer 2.0 to 2.5 mils dry film thickness (50 - 130 micron). The top coat shall be one coat of gloss sky blue national enamel 1.0 to 2.0 mils dry film thickness.</p> <p>b) Supply and erection of suction stabiliser, Discharge dampener, Safety/ Pressure Relief Valve, pressure gauges, inlet & outlet ball valves, check valves drain valve, Bypass valve and pipes and pipe fittings.</p>		
G	INSPECTION & TESTING	<p>i. The bidder shall ensure that the material to be supplied against this order shall be individually inspected, tested and analysed in terms of the specifications attached to the order and the relevant codes and practices specified therein by expression or implication.</p> <p>ii. The pump set shall be inspected by OIL's deputed engineer(s) or any other individual/agency authorised by OIL for the purpose of inspection at manufacturers / assembler's works / factory prior to dispatch. However, such inspection will not relieve the supplier of his responsibility to ensure that the equipment supplied conforms to the correct specifications and is free from manufacturing and all other defects.</p> <p>iii. The supplier shall carry out full load performance test on the pump set, at duty conditions, in the presence of OIL's deputed representative(s).</p> <p>iv. The supplier shall make available to OIL or any other individual/agency authorised by OIL for the purpose of inspection, all its records and results in respect of inspection.</p> <p>v. For false calls for inspection and for the cases where material is rejected on inspection, the successful bidder will bear the actual cost of inspection incurred/suffered by OIL.</p> <p>vi. The inspection by OIL or by OIL's representative in any manner does not absolve the successful bidder of any liability and/or responsibility under the purchase order.</p> <p>N.B.: Charges for carrying out the above tests at the Manufacturer's facility should be included in the purview of the offer.</p>		
H	FACTORY ACCEPTANCE TEST (FAT)	The bidder will have to submit final GA drawing including all the technical details, factory acceptance test procedure (or Quality Assurance Plan) and inspection plan to OIL for approval. OIL will depute engineer(s) to witness the complete functions and operation of the all the items of the system at one workplace. The acceptance of the system will be signed by OIL representatives at that work place		

		<p>after final successful functional test and demonstration.</p> <p>Unless otherwise specifically authorized by OIL in writing, the successful bidder shall not ship or dispatch for any material under the purchase order before Inspection.</p>		
I	TRAINING	<p>a) The bidder shall provide comprehensive training to a group of OIL's engineers at their manufacturing plant/works for a period of 5 days (approx.) on Operation & Maintenance, Troubleshooting of the system. The training is to be supplemented by manual in hard bound copy. Travel charges and boarding/lodging of OIL personnel shall be borne by OIL.</p> <p>b) After successful installation and commissioning the bidder needs to provide detailed onsite operation and maintenance training to OIL personnel for minimum two days duration.</p>		
J	INSTALLATION & COMMISSIONING	<p>a) Installation & Commissioning of the Pump set shall be carried out by the bidder in the presence of OIL's representatives at its fields in and around Duliajan, Assam (India). Services of qualified and competent personnel from equipment manufacturer are must during installation & commissioning of the pump sets. Only competent service personnel shall be engaged for installation, testing and commissioning of pump sets. OIL will provide necessary statutory permits in classified areas as and when required.</p> <p>b) <u>Installation and Commissioning charges must be included in the quoted price.</u> These charges should include to and fro fares, boarding/ lodging, local transportation and other expenses of the commissioning engineers during their stay at Duliajan, Assam (India). All Taxes towards the services provided by the supplier shall be borne by the supplier and will be deducted at source. Bidders should also confirm about installation/ commissioning in the Technical Bid.</p> <p>c) The successful bidder shall install all the hardware i.e. Transmitter, cable laying, fixing of cable trays, cable termination, fixing of Instrumentation System for CODP along with power supply and hooter etc.</p> <p>d) The successful bidder should design and submit the complete cable schedule for OIL's approval prior to execution of the job.</p>		
K	SITE ACCEPTANCE TEST (SAT)	<p>a) OIL shall take over the system from bidder after successful completion of SAT. SAT shall be started only after satisfactory performance of loop checking and verification of records.</p> <p>b) Site acceptance tests shall be carried out in presence of OIL's representative.</p> <p>c) Bidder shall carry out following tests as minimum as part of SAT</p> <ul style="list-style-type: none"> - Hardware verification as per final Bill of material. 		

		<ul style="list-style-type: none"> - Visual & Mechanical inspection for proper workmanship, identification, wiring, ferruling, name plates etc. - System configuration as per approved configuration diagram / scheme. - Demonstration of all system diagnostics. - Testing of all operational functionalities including pre-alarm and alarm logic function. - System performance test. <p>d) OIL will finally test for successful uninterrupted operation of the integrated system for the duration of minimum 72 hours for the system. Bidder's personnel shall be present during the test. Any malfunctioning of the system components shall be rectified free of cost. Once the system failure is detected, the test shall start all over again from the beginning. On satisfactory performance, the pumps set shall be subsequently handed over to OIL and will be declared as commissioned. The warranty period shall start from the day OIL takes over the system.</p>		
L	WARRANTY	<p>The equipment/materials will be guaranteed for a period of 18 (eighteen) months from the date of receipt of the material at OIL's depot or 12(twelve) months from the date of commissioning whichever is earlier. The supplier shall repair or replace any item or equipment found defective in materials or workmanship or performance within the above period free of charge. The warranty is applicable to bought out items and system software also. Any system/ software fault during warranty period, supplier has to attend within 48-hours after receiving of calls from OIL free of charges.</p>		
M	SPARE PARTS AND SPECIAL TOOLS:	<p>1. COMMISSIONING SPARES & TOOLS</p> <p>The Supplier has to supply all the spare parts for initial commissioning of the unit.</p> <p>The following special tools should be included [one set against each pump set] in the scope of supply, as commissioning spares. <u>The prices of these spares shall be included in the quoted price.</u></p> <ul style="list-style-type: none"> i. A set of tools (Box and open spanner wrenches) for fitting and tightening all bolts installed in the pump set. ii. A valve seat puller and special wrenches for tightening stuffing box glands, studs etc. iii. A charging kit for charging (Nitrogen) the suction stabilizer and discharge dampener. <p><u>NOTE:</u> All the above mentioned tools shall have to be packed separately</p>		

		<p>for handing over the same to CGM- Field Engineering and the package to be labeled with following:</p> <p>OIL's Purchase order No: _____</p> <p>To, Head- Field Engineering OIL INDIA LIMITED DULIAJAN- 786602 ASSAM, INDIA</p>																													
		<p>2. CRITICAL SPARES</p> <p>Supplier shall supply the critical spares for pumps, motors, other electrical and instrumentation items along with the supply of the Unit considering 2 years year consumption.</p> <p>a) Bidders have to provide the price, along with the part numbers, of the following spares that we envisage shall be required for maintenance of the pump set for at least two years.</p> <p>TRIPLEX PLUNGER PUMP:</p> <table><tr><td>i.</td><td>SUCTION VALVE ASSEMBLY</td><td>: 3 NOS PER PUMP</td></tr><tr><td>ii.</td><td>DELIVERY VALVE ASSEMBLY</td><td>: 3 NOS PER PUMP</td></tr><tr><td>iii.</td><td>VALVE COVER GASKET</td><td>: 12 NOS PER PUMP</td></tr><tr><td>iv.</td><td>VALVE SEAT (SUCTION)</td><td>: 3 NOS PER PUMP</td></tr><tr><td>v.</td><td>VALVE SEAT (DELIVERY)</td><td>: 3 NOS PER PUMP</td></tr><tr><td>vi.</td><td>ROD WIPER</td><td>: 6 SETS PER PUMP</td></tr><tr><td>vii.</td><td>PLUNGER</td><td>: 3 NOS PER PUMP</td></tr><tr><td>viii.</td><td>PLUNGER PACKING</td><td>: 12 SETS PER PUMP (EACH SET ADEQUATE TO CATER FOR 3 PLUNGERS)</td></tr><tr><td>ix.</td><td>CRANK PIN BEARING</td><td>: 3 SETS PER PUMP</td></tr></table> <p>Note:</p> <p>i. <u>The prices of these above mentioned spares should be included in the quoted price.</u></p> <p>ii. All the above mentioned tools shall have to be packed separately for handing over the same to CGM- Field Engineering and the package to be labeled with following:</p>	i.	SUCTION VALVE ASSEMBLY	: 3 NOS PER PUMP	ii.	DELIVERY VALVE ASSEMBLY	: 3 NOS PER PUMP	iii.	VALVE COVER GASKET	: 12 NOS PER PUMP	iv.	VALVE SEAT (SUCTION)	: 3 NOS PER PUMP	v.	VALVE SEAT (DELIVERY)	: 3 NOS PER PUMP	vi.	ROD WIPER	: 6 SETS PER PUMP	vii.	PLUNGER	: 3 NOS PER PUMP	viii.	PLUNGER PACKING	: 12 SETS PER PUMP (EACH SET ADEQUATE TO CATER FOR 3 PLUNGERS)	ix.	CRANK PIN BEARING	: 3 SETS PER PUMP		
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ix.	CRANK PIN BEARING	: 3 SETS PER PUMP																													

		<p>OIL's Purchase order No: _____</p> <p>To,</p> <p>Head- Field Engineering</p> <p>OIL INDIA LIMITED</p> <p>DULIAJAN- 786602</p> <p>ASSAM, INDIA</p> <p>b) Bidders shall have to provide the unit price, along with the part numbers, of the following insurance spares. <u>The cost of these spares however shall not be considered during commercial evaluation of the offer and hence should not be included in the quoted price.</u></p> <ul style="list-style-type: none"> i. FLUID END ii. STUFFING BOX ASSEMBLY iii. GLAND NUT iv. EXTENSION ROD v. CRANKSHAFT vi. CROSS HEAD vii. CONNECTING ROD ASSEMBLY 		
		<p>3. <u>RECOMMENDED SPARES</u></p> <p>a) The bidder shall furnish a list of spares & components that will be required for regular operation and maintenance, overhauling etc. throughout the life of the equipment. Annual consumption of each spare should be furnished in a tabular format. The bidder should also provide detailed spare list of all the items including bought out items in the operation and maintenance manuals. The list should include a spare parts list along with OEM part numbers, make & model of the equipment and contact postal address of OEM for all items of the whole unit.</p> <p>b) The bidders must submit a written undertaking (along with the bid) that they would be able to supply all the requisite spares and consumables (including bought out items) for a minimum period of 10 (ten) years from the Certified date of completion/ successful field commissioning of the unit.</p>		
N	AFTER SALES SERVICE:	The nature of after sales service, which can be offered by the bidder during initial commissioning and also subsequently should be clearly stated.		
O	GENERAL NOTES	A system will be considered as successfully commissioned only after obtaining valid DGMS approval for all the constituent equipment/instruments of the system.		
		Any deviation(s) from the tender specification should be clearly highlighted specifying justification in support of deviation.		

ANNEXURE – V

BID EVALUATION MATRIX (BID REJECTION CRITERIA) (TO BE FILLED IN BY BIDDER DULY SIGNED)			
BID EVALUATION CRITERIA			
Clause Number	DESCRIPTION	BIDDER'S RESPONSE (Complied / Not Complied / Deviation/Not Applicable)	TO BE FILLED BY THE BIDDER Relevant Location of their Bid to support the remarks / compliance (Reference of Document name / Serial number / Page number of bid for documentary evidence)
A.1.0	<u>BIDDER'S ELIGIBILITY</u>		
A.1.1	The offered pump should be a horizontal, single acting, triplex plunger pump conforming to API 674 standards/ American Hydraulic Institute (ANSI/HI) standards, suitable for meeting the delivery parameters (Volume and Pressure) mentioned in the tender. <i>[Note: Speed of the pump (RPM of Pump crank shaft) should be as per API-674 standard.</i>		
A.1.2	Prime mover of the pump should be squirrel cage rotor Induction motor shall be 3-phase, FLAMEPROOF type (Ex-d), suitable for installation in Zone-1, Zone-2 Hazardous Area, Gas Group IIA and IIB, of Oil Mine and capable of providing net BHP in the range as mentioned in the tender with limiting rpm 1500 and the motor rating should be limited to Maximum 75 KW or 100 HP.		
A.1.3	The bidder should be an OEM or authorized dealer of OEM of the pump or an OEM (of pump) recommended assembler of pump sets. In all cases the bidder has to purchase the Motor from an OEM of Motor or their Authorized Dealer. Undertaking from the bidder in this regard must be enclosed with the offer failing which the offer will be rejected.		
A.1.4	<p>If the bidder is an OEM (of pump) recommended assembler of pump sets, he must purchase the pump and the motor from OEM or their authorized dealer. Undertaking from the bidder in this regard must be enclosed with the offer failing which the offer will be rejected. The assembler should indicate that necessary infra structural facilities for fabrication and load testing of the pump sets are available with them. Bidders other than the OEM must furnish the following undertaking from the OEM.</p> <p>Date of manufacture, make, model, serial no, test certificate, literatures and parts book of the pump and also the operation & maintenance manual of pump will be supplied if order is placed on the bidder.</p>		

A.1.5	<p>Bidder must have successfully supplied at least 02 (two) nos. continuous duty pump sets <i>(of capacity 25 KLPH and above)</i> of “similar nature” in a single order, for water flood/formation water disposal/ hydrocarbon service applications in PSUs/Central Government Undertakings/Public Limited Companies in the Oil & Gas sector in the last 10(ten) years reckoned from the original bid closing date of the Tender. Copies of purchase orders from the clients indicating the supply of such equipment are to be submitted with the offer. The orders are to be further substantiated by satisfactory performance certificates from the customer.</p> <p>Note:</p> <ul style="list-style-type: none"> (i) The bidder shall submit documentary evidence/details of the previous supply of such pump set in a tabular format along with the bid. The copy of such format is attached with the tender (APPENDIX-I). (ii) “Similar nature” pump means horizontal, single acting, triplex plunger pump conforming to API 674 standards/ American Hydraulic Institute (ANSI/HI) standards. 		
A.1.6	<p>The model of pump offered as per tender (both Volume & pressure) should be one that has a proven track record for continuous duty water flood / formation water disposal / hydrocarbon service applications. The model should be one that has been successfully deployed for any of the continuous duty applications, viz: water flood / formation water disposal / hydrocarbon service, for a minimum period of 2400 hours. In this regard satisfactory performance certificate of the offered model pump from the end users shall to be enclosed along with the offer.</p> <p>N.B.:</p> <ol style="list-style-type: none"> 1. <i>"Continuous duty" means pump having service operation on full load for a period of 8 hours to 24 hours per day as per Hydraulic Institute Standard application.</i> 2. <i>Hydrocarbon Service Application of continuous duty plunger pumps in the context of this tender refers to applications where such pumps are deployed for duties such as crude oil transfer, condensate injection, polymer injection, glycol injection etc. in the E & P Sector and also continuous duty handling of petroleum and petrochemical products in the Refining & Distribution Sector of the Oil & Gas Industry.</i> 		

2.0	<p>DELIVERY PERIOD: Delivery of all the items must be completed within 9(nine) months from the date of issue of Purchase order. The date of receipt of materials at site shall be considered as the date of delivery.</p> <p>Installation/Commissioning of the CODPs to be completed within 3 (three) months from the date of receipt of site clearance from OIL.</p>		
B	BRC - FINANCIAL:		
1.0	The bidder shall have an annual financial turnover of minimum INR 1,45,20,000.00 during any of the preceding 3 (Three) financial/accounting years reckoned from the original bid closing date of the tender.		
2.0	"Net Worth" of the bidder must be positive for the financial/accounting year just preceding to the original Bid Closing Date of the Tender.		
3.0	<p>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 (PROFORMA - 1) certifying that 'the balance sheet/Financial Statements for the financial year (as applicable) has actually not been audited so far'.</p> <p>Note:</p> <p>a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the technical bid:-</p> <p style="padding-left: 40px;">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 (PROFORMA – 2)</p> <p style="text-align: center;">OR</p> <p style="padding-left: 40px;">ii) Audited Balance Sheet alongwith Profit & Loss account. In case of foreign bidders, self-attested/digitally signed printed published accounts are also acceptable.</p> <p>b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/ State</p>		

	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 on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US\$.		
5.0	<p>In case the Bidder is subsidiary company (should be 100% owned subsidiary of the parent/ultimate parent/holding company) who does not meet financial criteria by itself and submits its bid based on the strength of parent/ultimate parent/holding company, then following documents need to be submitted:</p> <ul style="list-style-type: none"> (i) Turnover of the parent/ultimate parent/holding company should be in line with Para B (1.0) above. (ii) Net Worth of the parent/ultimate parent/holding company should be positive in line with Para B (2.0) above (iii) Corporate Guarantee (PROFORMA - 3) on parent/ultimate parent/holding company's company letter head signed by an authorized official undertaking that they would financially support their wholly owned subsidiary company for executing the project/job in case the same is awarded to them. (iv) Documents to substantiate that the bidder is as 100% subsidiary of the parent/ultimate parent/holding company. 		
GENERAL NOTES TO BIDDERS			
1.0	Bidders shall submit their offer mentioning pointwise compliance/noncompliance to all the terms & conditions, BEC/BRC, Specifications etc. Any deviation(s) from the tender terms & conditions, BEC/BRC, Specifications etc. should be clearly highlighted specifying justification in support of deviation.		
2.0	<p>The Bidder to submit following Technical Evaluation Sheet & Appendices along with technical bid -</p> <p>Annexure -IV: Technical Evaluation Matrix (Technical Specification) Annexure - V: Bid Evaluation Matrix (Bid Rejection Criteria) Appendix – I: Documentary evidence / Supply Details for Single Acting Triplex Plunger Pump Set Appendix – II: Technical Checklist Appendix – III: Data Sheet</p>		

3.0	Whether submitted Integrity Pact as per Format – 4 ?		
4.0	Whether quoted as MSE? If yes, whether submitted Udyam Registration Certificate ?		
5.0	Whether quoted under PPLC Policy ? If yes, whether relevant documents as per as per clause no. 5.0 under Annexure – III submitted?		
6.0	BIDDER TO CATEGORICALLY CONFIRM UNDER WHICH POLICY I.E. PP-LC OR MSME, THEY WANT TO AVAIL THE BENEFIT AND TO SUBMIT REQUISITE DOCUMENT/CERTIFICATE IN SUPPORT TO AVAIL THIS BENEFIT. THE BIDS WILL BE EVALUATED BASED ON THEIR DECLARATION.		
7.0	Whether undertaking as per Proforma – 5 towards “restrictions on procurement from a bidder of a country which shares a land border with India” submitted?		

PROFORMA – 1

(ON THE OFFICIAL PAD OF THE BIDDER TO BE EXECUTED BY THE AUTHORIZED SIGNATORY OF THE BIDDER)

Certificate of Compliance of Financial Criteria

Ref: Financial Criteria of the BEC

I the authorized signatory(s) of (Company or firm name with address) do hereby solemnly affirm and declare as under:-

The balance sheet/Financial Statements for the financial year _____ (as the case may be) has actually not been audited as on the Original Bid closing Date.

Place :.....

Date :.....

Signature of the authorized signatory

Note: Please note that any declaration having date after the **Bid closing Date** will not be considered and will be rejected. This certificate are to be issued only considering the time required for preparation of Financial Statements i.e. if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date.

PROFORMA – 2

CERTIFICATE OF ANNUAL TURNOVER & NETWORTH

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

TO WHOM IT MAY CONCERN

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

YEAR	TURNOVER In INR (Rs.) Crores/ USD Million*	NET WORTH In INR (Rs.) Crores / USD Million*

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

Place:

Date:

Seal:

Membership No.:

Registration Code:

UDIN:

Signature:

PROFORMA – 3

PARENT/ ULTIMATE PARENT/ HOLDING COMPANY'S CORPORATE GUARANTEE TOWARDS FINANCIAL STANDING

(Delete whichever not applicable)

(TO BE EXECUTED ON COMPANY'S LETTER HEAD)

DEED OF GUARANTEE

THIS DEED OF GUARANTEE executed at this day of by M/s(mention complete name) a company duly organized and existing under the laws of (insert jurisdiction/country), having its Registered Office at.....herein after called "the Guarantor" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successors and permitted assigns.

WHEREAS M/s. Oil India Limited (hereinafter referred to as OIL) has invited offers vide their Tender No..... for.....and M/s.....(Bidder) intends to bid against the said tender and desires to have Financial support of M/s..... [Parent / Ultimate Parent/Holding Company(Delete whichever not applicable)] and whereas Parent/Ultimate Parent/Holding Company(Delete whichever not applicable) represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the Financial support as required by the bidder for qualifying and successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed by the Guarantor to give this Guarantee and undertakes as follows:

1. The Guarantor confirms that the Bidder is a 100% subsidiary of the Guarantor.
2. The Guarantor agrees and confirms to provide the Audited Annual Reports of any of the preceding 03(three) financial/accounting years reckoned from the original bid closing date.
3. The Guarantor have an annual financial turnover of minimum INR..... Cr or USD during any of the preceding 03(three) financial/ accounting years reckoned from the original bid closing date.
4. Net worth of the Guarantor is positive for preceding financial/ accounting year.
5. The Guarantor undertakes to provide financial support to the Bidder for executing the project/job, in case the same is awarded to the Bidder.
6. The Guarantor represents that:
 - (a) this Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Bidder.
 - (b) the liability of the Guarantor, under the Guarantee, is limited to the 100% of the order value between the Bidder and OIL. This will, however, be in addition to the forfeiture of the Performance Guarantee furnished by the Bidder.
 - (c) this Guarantee has been issued after due observance of the appropriate laws in force in India.
 - (d) this Guarantee shall be governed and construed in accordance with the laws in force in India and subject to the exclusive jurisdiction of the courts of New Delhi, India.
 - (e) this Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.
 - (f) the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

for and on behalf of (Parent/Ultimate Parent/ Holding Company) (Delete whichever not applicable)

Witness:

- 1.
- 2.

for and on behalf of (Bidder)

Witness:

- 1.
- 2.

PROFORMA – 4

INTEGRITY PACT

Between

Oil India Limited (OIL) hereinafter referred to as "The Principal"

And

(Name of the bidder).....hereinafter referred to as "The Bidder/Contractor"

Preamble:

The Principal intends to award, under laid down organizational procedures, contract/s for **Tender No.**The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

In order to achieve these goals, the Principal cooperates with the renowned international Non-Governmental Organization "Transparency International" (TI). Following TI's national and international experience, the Principal will appoint an external independent Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section: 1 -Commitments of the Principal

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:

1. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.
2. The Principal will, during the tender process treat all Bidders with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/additional information through which the Bidder could obtain an advantage in relation to the tender process or the contract execution.
3. The Principal will exclude from the process all known prejudiced persons.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a Page 2 of 6 substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section: 2 -Commitments of the Bidder/Contractor

(1) The Bidder/Contractor commits itself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

1. The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or immaterial benefit which h e/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
2. The Bidder/Contractor will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, Subsidiary

contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

3. The Bidder/Contractor will not commit any offence under the relevant Anticorruption Laws of India; further the Bidder/Contractor will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

4. The Bidder/Contractor will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

(2) The Bidder/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.

(3) The Bidder/Contractor signing Integrity Pact shall not approach the Courts while representing the matters to IEMs and he/she will await their decision in the matter.

Section 3 -Disqualification from tender process and exclusion from future Contracts

If the Bidder, before contract award has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or risibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already signed, for such reason.

1. If the Bidder/Contractor has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is entitled also to exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressions within the company hierarchy of the Bidder and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.

2. The Bidder accepts and undertakes to respect and uphold the Principal's Absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.

3. If the Bidder/Contractor can prove that he has restored/recouped the Damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.

4. A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.

5. Integrity Pact, in respect of a particular contract, shall be operative from the date Integrity Pact is signed by both the parties till the final completion of the contract or as mentioned in Section 9- Pact Duration whichever is later. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings. Any issue relating to execution of contract, if specifically raised before the IEMs shall be looked into by IEMs.

Section 4 -Compensation for Damages

1. If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from the Bidder liquidated damages equivalent to Earnest Money Deposit / Bid Security.

(2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to Security Deposit / Performance Bank Guarantee.

3. The bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder/Contractor can prove and establish that the exclusion of the Bidder from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount or the liquidated damages, the Bidder/Contractor shall compensate the Principal only to the extent of the damage in the amount proved.

Section 5 -Previous transgression

1. The Bidder declares that no previous transgression occurred in the last 3 years with any other Company in any country conforming to the TI approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section: 6 -Equal treatment of all Bidders/Contractor/Subcontractors

1. The Principal will enter into Pacts on identical terms with all bidders and contractors.

2. The Bidder / Contractor undertake(s) to procure from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the provisions laid down in this agreement/Pact by any of its sub-contractors/sub-vendors.

3. The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section: 7 -Criminal charges against violating Bidders/Contractors/ Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section: 8 -External Independent Monitor/Monitors

1. The Principal appoints competent and credible external independent Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal.

3. The Contractor accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same

is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder/Contractor/Subcontractor with confidentiality.

4. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

5. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or heal the violation, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action. However, the Independent External Monitor shall give an opportunity to the bidder / contractor to present its case before making its recommendations to the Principal.

6. The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.

7. If the Monitor has reported to the Chairperson of the Board a Substantiated suspicion of an offence under relevant Anti-Corruption Laws of India, and the Chairperson has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8. The word 'Monitor' would include both singular and plural.

Section:9 -Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by Chairperson of the Principal.

Section:10 -Other provisions

1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. New Delhi. The Arbitration clause provided in the main tender document / contract shall not be applicable for any issue / dispute arising under Integrity Pact.

2. Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

3. If the Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.

4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

M. B. SINGHA

.....

For the Principal

Place: Duliajan

Date: 09.07.2021

.....

For the Bidder/Contractor

Witness 1:

Witness 2:

PROFORMA - 5

Format for Undertaking by Bidders towards compliance of office memorandum F. No. 6/18/2019-PPD dated 23rd July, 2020 (Public Procurement no. 1) issued by Department of Expenditure, Ministry of Finance, Govt. of India

(To be typed on the letter head of the bidder)

Ref. No. _____

Date: _____

Tender No. _____ Date: _____

**OIL INDIA LIMITED
MATERIALS DEPARTMENT,
DULIAJAN, ASSAM, INDIA**

Dear Sirs,

We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; We certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. We hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where evidence of valid registration by the Competent Authority shall be attached.]”

We also agree that, during any stage of the tender/contract agreement, in case the above information/documents submitted by us are found to be false, Oil India Limited has the right to immediately reject our bid/terminate contract at any stage and carry out further legal action on us in accordance with law.

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

Signature of Authorised Signatory

Name :

Designation :

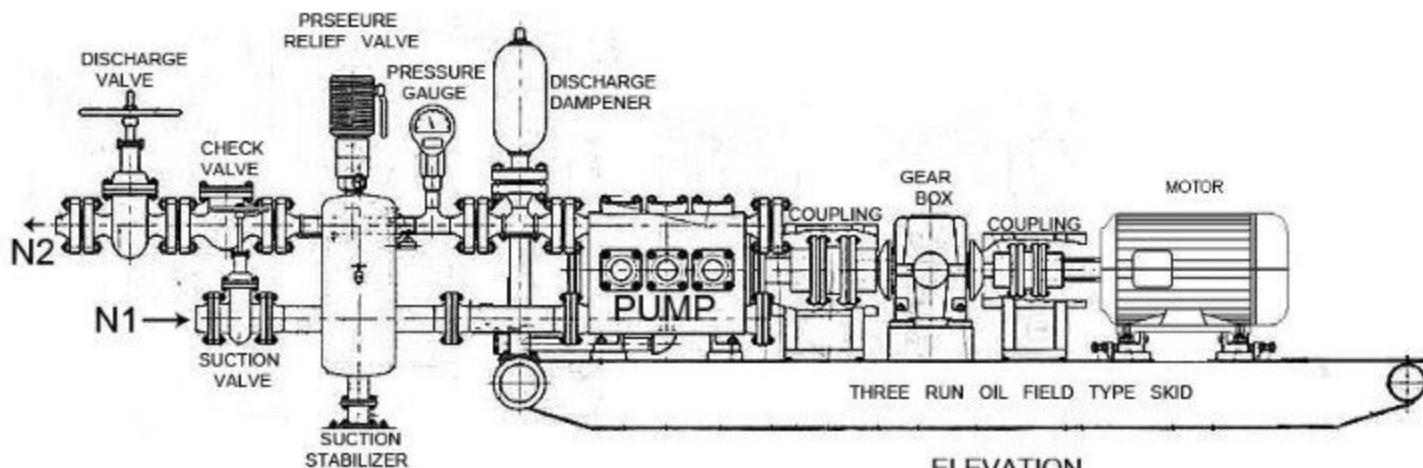
Phone No.

Place :

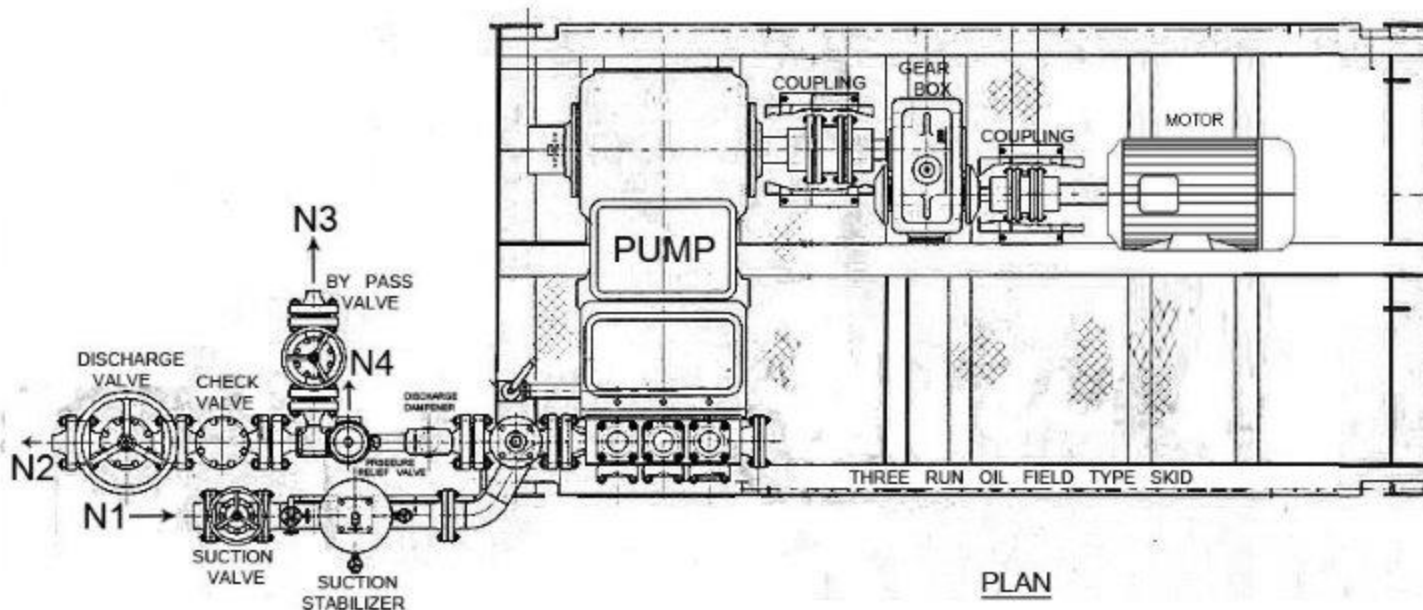
Date :

(Affix Seal of the Organization here, if applicable)

Note : This form should be returned along with offer duly signed.



ELEVATION



PLAN

LEGEND:

- N1 - SUCTION
- N2 - DISCHARGE
- N3 - BY PASS OUTLET
- N4 - SRV OUTLET

DRG NO: FE/ICE/CKD/EMDCODP/GA/10
 TITLE: GENERAL ARRANGEMENT OF ELECTRIC MOTOR DRIVEN RECIPROCATING PUMPING UNIT
 (WITH EXTERNAL GEAR BOX, USED FOR WATER INJECTION / CRUDE OIL DESPATCH)
 (NOT TO SCALE)