



**Oil India Limited**  
**(A Govt. of India Enterprise)**  
**P.O. Duliajan – 786602, Assam**

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**Tender No. & Date: SDG 1893P17/07 dated: 27.07.2016**

Tender Fee : **INR 6,000.00** OR **USD 100.00**  
 Bid Security Amount : **INR 103,373.00** OR **USD 1,520.00**

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

Period of Sale of  
 Bid Documents : **From 14.11.2016 to 14.12.2016 ; 15:30 Hrs(IST)**

Bid Closing on : **21.12.2016 (at 11.00 Hrs. IST)**

Bid Opening on : **21.12.2016 (at 14.00 Hrs. IST)**

Bid Validity : Bid Should be valid for **120 days** from bid closing date.

Bid Bond Validity : Bid Bond Should be valid up to **21.07.2017**

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

Integrity Pact : **Applicable**

**OIL INDIA LIMITED invites Global Tenders for items detailed below:**

Item No.	MATERIAL DESCRIPTION	QTY.	UOM
<u>10</u>	<p>ELECTRIC MOTOR DRIVEN, SKID MOUNTED, RECIPROCATING PLUNGER TYPE CHEMICAL DOSING PUMP.</p> <p>Electric Motor Driven, Skid Mounted, reciprocating plunger type Chemical Dosing Pump with enclosed gear box, complete with variable output adjustment devices, relief valves, check valves on suction as well as delivery sides, strainer, base frame etc. as per the following specification -</p> <p>A. Details of Pump:</p> <p>Capacity: 0-40 LPH          Delivery Pressure-Maximum of 10 Kg/cm<sup>2</sup></p> <ol style="list-style-type: none"> <li>1. Single Simplex Reciprocating Plunger type Metering Pump.</li> <li>2. The suction shall be of size ½ " x ½ " Flanged to ANSI B 16.5, Flanges of SA 105.</li> <li>3. Capacity of the pump shall be 0-40 LPH against dis. Pressure of 10 Kg/cm<sup>2</sup> when run with flooded suction. The pump shall have manual adjustment facility for discharge rate.</li> <li>4. The pump shall have suitable check valves at suction and delivery along with a strainer at suction side.</li> <li>5. The Pump shall have suitable safety valves to protect it from any abnormal pressure rise in delivery.</li> <li>6. Liquid - Fluid end (wetted parts) of pump suction and discharge end shall be of SS 304.</li> <li>7. The following MOC shall be used for various parts of pump body: Head: AISI 304, Plunger: AISI 304, Valves (Suction and Discharge): AISI 304, Gland Packing: PTFE.</li> <li>8. The Pump shall be suitable for handling flow improver of viscosity 85 cP @ 40°C. Pump shall be suitable for operating temperature of range 40 - 60°C.</li> </ol>	20	Nos.

	<p>B. Details of Motor:</p> <ol style="list-style-type: none"> <li>1. The motor shall be 3 phase, squirrel cage, AC Induction motor. The motor shall be FLAMEPROOF type, suitable for installation in Zone 1 Hazardous Area, Gas Group IIA and IIB of Oil Mines. The motor shall be certified by Central Industrial Mining and Fuel Research Institute (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory and approved by Director General of Mines Safety (DGMS), Govt. of India, for FLP construction and use in above area.</li> <li>2. Standards to be followed for motor: IS- 325, 2148.</li> <li>3. The motor rating shall be minimum 10 % higher than the input shaft HP, required for running of the driven equipment at the rated continuous output.</li> <li>4. The enclosure of the motor shall be TEFC with Degree of protection - IP55.</li> <li>5. The insulation of the motor shall be Class F/H with temperature rise limited to that of class B.</li> <li>6. Motor shall be suitable for 415 ± 6% volts, 3 Phase, 50 cycles, AC supply and should withstand high voltage fluctuation.</li> <li>7. The frequency of the motor shall be 50 Hz ± 3%.</li> <li>8. The motor shall be Direct Coupled with bi-directional fan at NDE.</li> <li>9. Starting: DOL starting for motors up to 12.5 HP; Y/D for motor above 12.5 HP.</li> <li>10. Terminal Box: Flameproof Cable termination box with brought out terminals suitable for terminating PVCA aluminium cables of proper size as per rating of motor (01 no. for DOL; 02 nos. for Y/D starter). Terminal shall be of brass with non-hygroscopic insulation support (FRP or DMC) suitable for tropical climate.</li> <li>11. Glands: Adequate nos. of FLP-WP cable glands (depending on motor rating and type of starter) shall be supplied with the motor. The glands shall be double compression type and suitable for installation in Hazardous Area Zone 1 and Gas Group IIA and IIB of Oil Mines. Glands shall be certified by Central Institute of Mining and Fuel Research (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory.</li> <li>12. Earthing: Two nos. of earthing studs to be provided on both sides of the motor. Earthing system for the motor shall be as per the IS: 3043.</li> <li>13. Lifting Eye: One no. lifting eye hook shall be provided for lifting the motor.</li> <li>14. Markings: Name plate details with name of manufacturer, frame size, rated voltage, output, current, frequency, type of duty, class of insulation, no. of phases, speed in rpm at rated output, degree of protection, winding connections, ambient temp, bearing sizes, lubricant, lubrication material and year of manufacture CMRI certification details, DGMS approval details and DGMS logo as per DGMS approval. DGMS logo and approval no. shall be engraved type on a separate metallic plate (brass/SS) and fixed on the motor body in a conspicuous place, in a permanent manner (riveted on the motor body).</li> <li>15. The motor shall be of Bharat Bijlee/Crompton Greaves/KEC/Siemens/NGEF/ABB/Laxmi Hydraulic make.</li> </ol> <p>C. Details of Starter:</p> <p>Separate Flameproof starter shall be supplied with the motor. The starter shall be suitable for self-mounting with proper supports, with provisions for grouting on floor/wall.</p> <ol style="list-style-type: none"> <li>1. The starter shall be suitable for 3 phase, 415 V, 50 Hz squirrel cage, AC Induction motor.</li> <li>2. The starter shall be FLAMEPROOF and WEATHERPROOF type, suitable for installation in Zone 1 Hazardous Area, Gas Group IIA and IIB of Oil Mine. The starter shall be certified by Central Industrial Mining and Fuel Research Institute (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory and approved by Director General of Mines Safety (DGMS), Govt. of India, for FLP-WP construction and use in above area. Standards: IS-13947, 2148. Enclosure: FLP with</li> </ol>		
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	<p>Degree of protection -IP65</p> <p>3. Starter shall be suitable for 415 ± 6% volts, 3 Phase, 50 cycles, AC supply and should withstand specified voltage fluctuation. Freq.: 50 Hz ± 3%.</p> <p>4. There shall be a power isolator built-in with the FLP enclosure for isolating the power supply to the starter. Alternately, a separate FLP-WP box with isolator, mounted with the main starter enclosure, can also be provided. However, the complete enclosure shall be certified for flameproof quality and approved by DGMS.</p> <p>5. The starter shall have Power contactor(s) with auxiliary contacts. The Power Contactor(s) normal current rating shall be selected for long life operation of the contactors. One bimetallic thermal overload relay with AUTO/ MANUAL reset (reset button to be mounted on door of the starter and shall be accessible from front) shall be provided for overload protection of the motor.</p> <p>6. Start/stop push button shall be provided on the front of the starter.</p> <p>7. Control circuit of the starter shall operate on 240/415v AC.</p> <p>8. In case of Y/D starter Electronic timer for Y/D delay shall be provided.</p> <p>9. Make of Contactor, Relay, timer: Siemens/GE/Schneider/L&amp;T/ABB/Indo-Asian.</p> <p>10. Terminal Box: Cable termination box with brought out terminals suitable for terminating PVCA aluminum/copper cables of proper size as per rating of motor (01 no. incoming; outgoing 01 no. for DOL or 02 Nos. for YD starter). Terminal shall be of brass with non-hygroscopic insulation support (FRP or DMC) suitable for tropical climate.</p> <p>11. Glands: Adequate nos. of FLP-WP glands (depending on rating and type of starter and cable rating) shall be supplied with the starter. The FLP glands shall be double compression type suitable for installation in Hazardous Area Zone 1 and Gas Group IIA and IIB of Oil Mines. The glands shall be certified by Central Institute of Mining and Fuel Research (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory for FLP construction and use in above area.</p> <p>12. Earthing: Two nos. of earthing studs to be provided on both sides of the enclosure. Earthing system for the starter shall be as per the IS: 3043.</p> <p>13. Markings: Name plate details with name of manufacturer, type, rated voltage, rated output CIMFR/other certification details, DGMS approval details and DGMS logo as per DGMS approval. DGMS logo and approval no. shall be engraved type on a separate metallic plate (brass/SS) and fixed on the motor body in a conspicuous place, in a permanent manner (riveted on the motor body).</p> <p>14. Make of Starter shall be FCG/Baliga/Flexpro/FEPL/ExEc/Sudhir/Laxmi Hydraulic.</p>		
<u>20</u>	<p>Pneumatic Chemical Dozing Pump complete with variable output adjustment devices, relief valves, check valves on suction as well as delivery sides, strainer, base frame etc. as per the following specification -</p> <p>1. PUMP:</p> <p>a) Pump Type - The pump must be a Single acting, positive displacement type.</p> <p>b) Capacity: 0-40 LPH</p> <p>c) Maximum Delivery pressure - 50 Kg/cm<sup>2</sup></p> <p>d) Maximum Operating Temperature - 70 Deg C</p> <p>e) The pump shall have a variable discharge adjusting mechanism to adjust delivery.</p> <p>f) The pump shall have a safety valve for protection of the operating mechanism (Diaphragm) in case of Overpressure on these elements.</p> <p>g) The pump shall have an integrated priming valve to enable the operator to easily check the operation of the pump.</p> <p>h) The pump shall have check valves with a strainer at suction and a check valve at the delivery end to withstand the delivery pressure.</p>	20	Nos.

	<p>i)The suction and delivery shall be of ½ inch size.</p> <p>2. OPERATING MECHANISAM</p> <p>a)Pump Operating Mechanism - Pneumatic, diaphragm operated or plunger operated.</p> <p>b)The pump shall be suitable to be operated by Air or Natural Gas (Sp. Gr. 0.65) and the maximum operating pressure of the operating pneumatic fluid shall be 5 Kg/sq. cm.</p> <p>c)The operating pneumatic circuit shall be complete with necessary/suitable regulator, filter and relief valves.</p> <p>d)The pressure regulator of the pneumatic circuit shall be capable of stepping down pressure from a maximum of 25 kg/cm2 to the required operating pressure of the pump.</p> <p>e)The end connections of the pneumatic circuit shall be 1/4" NPT.</p> <p>f)The pump shall be supplied with all necessary piping and quick connecting type piping connections for pneumatic supply.</p> <p>3. BASE FRAME / SKID / ENCLOSURE</p> <p>a)If the pump operating mechanism is diaphragm type, the entire unit shall be mounted on a skid.</p> <p>b)If the pump operating mechanism is plunger type, the entire unit shall be mounted on a enclosure / box over a skid.</p> <p>4. SPARES:</p> <p>Following spares in specified quantity as indicated shall be supplied along with the supply of the units. Specific description, part numbers, Make etc. (if available) and unit price of each &amp; every spares shall clearly to be indicated in the bid which will be considered for bid evaluation purpose.</p> <p>a)If the pump operating mechanism is diaphragm type,</p> <p>i)Diaphragm disc- 01 Nos.</p> <p>ii)Spring for the diapgrahm-02 Nos.</p> <p>iii)Teflon and gland packing for pump -02 Sets.</p> <p>iv)O-rings and packings-02 Sets.</p> <p>b)If the pump operating mechanism is plunger type,</p> <p>i)Teflon and gland packing for pump -02 Sets.</p> <p>ii)O-rings and packings-02 Sets.</p>		
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#### **GENERAL NOTES FOR E- TENDER:**

1.0 The tender will be governed by "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) including Amendments & Addendum to "General Terms & Conditions" for e-Procurement.

2.0 Technical and Commercial Check list is furnished vide Annexure – B . Please ensure that the check list is properly filled up and uploaded along with Technical bid.

3.0 Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with tender no. and due date to The Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender.

**a) Original Bid Security along with duplicate copies of Bid Security.**

**b) Any other document which have been specified to be submitted in original.**

4.0 The tender is invited under SINGLE STAGE-TWO BID SYSTEM. The bidder has to submit both the "TECHNO-COMMERCIAL UNPRICED BID" and "PRICED BID" through electronic form in the OIL's e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The "Techno-commercial Unpriced Bid" shall contain all technical and commercial details except the prices which shall be kept blank. Details of prices as per Bid format / Commercial bid to be uploaded as attachment in the Attachment Tab "Notes and Attachments".

Any offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.

5.0 In Technical Bid opening, only Technical Rfx will be opened. Therefore, the bidder should ensure that "TECHNO-COMMERCIAL UNPRICED BID" should contain details as mentioned in the technical specifications as well as BEC/ BRC and upload the same in the Technical RFX Response-> User - > Technical Bid. **No price should be given in above Technical Rfx otherwise the offer will be rejected.** Please go through the help document in details before uploading the document and ensure uploading of technical bid in the Technical RFX Response-> User - > Technical Bid only. The "PRICE BID" must contain the price schedule and the bidder's commercial terms and conditions. Details of prices as per Bid format / Commercial bid can be uploaded as Attachment under the attachment option under "Notes & Attachments"

6.0 PRICED BIDS OF ONLY THOSE BIDDERS WILL BE OPENED WHOSE OFFERS ARE FOUND TO BE TECHNO-COMMERCIALLY ACCEPTABLE.

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

8.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the bid or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in the rejection of its offer without seeking any clarifications.

9.0 The Integrity Pact is applicable against this tender. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure XII of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. **If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact with the offer, their bid shall be rejected straightway.**

OIL's Independent External Monitor at present is as under:

SHRI RAJIV MATHUR, IPS (Retd.),  
Former Director (IB) Govt. of India  
e-Mail ID : [rajivmathur23@gmail.com](mailto:rajivmathur23@gmail.com)

&

SHRI SATYANANDA MISHRA, IAS (Retd.)  
Former Chief Information Commissioner of India &  
Ex-Secretary, DOPT, Govt. of India  
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### **General Notes to Bidder's:**

1. The Pump and motor shall be unitized on a common MS skid base plate by a Pin bush type / lovejoy coupling having coupling guard and foundation bolts.
2. The bidder must submit necessary drawings and literatures, catalogues, operating manual along with the bid for technical evaluation.
3. The FLP motor, starter & FLP gland(s) must be suitable for installation in Hazardous Area Zone 1, Gas Groups IIA and IIB, of Oil Mines. These items shall be certified by Central Institute of Mining and Fuel Research (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory for FLP & WP construction and approved by DGMS for use in above area.
4. Valid DGMS approval no. & mark shall be fixed on the motor and starter body as per guidelines mentioned in the DGMS approval.
5. DGMS approval certificate copy and test laboratory certificate copies of the motor, starter and glands shall be submitted along with the bid.
6. Motor/starter shall be guaranteed for one year after date of commissioning and tested for routine tests at factory. Guarantee certificate & the factory test report of the motor should be submitted with the pump unit.
7. Frame size & make of the offered motor should be mentioned in the offer.
8. All unused cable entries holes of the starter/motor must be plugged with CIMFR/test laboratory certified FLP-WP sealing plugs.
9. Packing shall be adequate to avoid transit damage & protection against tropical rains.
10. Bidder shall categorically mention that their offer complies with all the features mentioned in the Motor specification & all the relevant documents required as per above points are enclosed in their offer.
11. The bidder has to submit the following documents along with their offer for evaluation purpose:
  - a. Detailed layout drawing with detailed equipment sizing calculation
  - b. Detailed technical literature for all equipment
  - c. Detailed Electrical schematic and component layout Diagram of the starter panel
  - d. Detailed drawings of the offered FLP Motor and starter enclosure showing terminal box & cable entry arrangement with double compression cable glands
  - e. Categorical confirmation of submission of valid DGMS approval letter and test laboratory Certification for all equipment used in the unit
12. The bidder shall, in the event of an order, agree to submit the following documents prior to dispatch of the unit & only after receipt of categorical approval from OIL; the unit is to be dispatched from their plant:
  - a. Detailed Foundation Drawing of the unit.
  - b. Detailed Operation & Maintenance (O&M) Manual.
  - c. Guarantee Certificate.
  - d. Valid test laboratory certification & DGMS approval letter for all flameproof equipment used in the unit.
13. The bidder shall quote for recommended spares along with price, part nos. of individual items for two (02) years trouble free operation of the dozing unit. While quoting for these spares, the bidder shall take into account the consumption pattern as deemed fit. The price of these spares shall not be considered for evaluation. However, procurement of these spares shall be at the discretion of OIL.
14. The bidders shall also confirm availability of all the spares quoted, for a period of ten (10) years from the date of supply of the dozing unit.
15. In the event of an order, first fill of lubricant shall be within the scope of supply of the bidder.
16. The Bidder to submit Technical Compliance Check List along with technical bid as per Annexure-I, Annexure-II & Annexure-III, attached.

17. The bidder shall confirm that the pump shall be able to handle various chemicals used in E&P activity, i.e. Oil Soluble Demulsifiers, Deoilers, Pour Point Depressant (Flow Improver), Methanol etc.
18. **Delivery Clause:** "Bidder should categorically confirm in the technical bid a delivery schedule within **Six (06) months**, FOB Port of dispatch, after establishment of letter of credit (in case of foreign bidder) or for dispatch of **the equipment within Six (06) months** after receipt of formal order (in case of indigenous bidder) failing which their offer will be rejected."

**Special Notes:**

1. The items shall be brand new, unused & of prime quality. Bidder shall warrant (in the event of an order) that the product supplied will be free from all defects & fault in material, workmanship & manufacture and shall be in full conformity with ordered specifications. This clause shall be valid for 12 months from date of receipt at site or 18 months from the date of shipment/despatch. The defective materials, if any, rejected by us shall be replaced by the supplier at their own expense on FOR Destination basis. Bidders must confirm the same while quoting.
2. To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.
3. Other terms and conditions of the tender shall be as per "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). However, if any of the Clauses of the Bid Rejection Criteria (BRC) / Bid Evaluation Criteria (BEC) mentioned here contradict the Clauses in the "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.
4. The items covered by this tender shall be used by Oil India Limited in the PEL/ML areas which are issued/renewed after 01/04/99 and hence Nil Customs Duty during import will be applicable. Indigenous bidder shall be eligible for Deemed Export Benefit against this purchase. Details of Deemed Export are furnished vide Addendum to MM/GLOBAL/01/2005 enclosed. However no Recommendatory letters will be issued to Indian Bidders.

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

In addition to BRC/BEC criteria vide SECTION – ‘D’ of General Terms and Conditions for Global Tender (MM/ GLOBAL/E-01/2005) including amendments thereof, the following clause will be applicable against this tender.

**(I) BID REJECTION CRITERIA (BRC)** : The bids shall conform to the specifications, terms and conditions given in the tender. Bids shall be rejected in case the item(s) offered do not conform to technical specifications and to the respective international / national standards wherever stipulated.

Notwithstanding the general conformity of the bids to the stipulated specifications, and terms & conditions, the following requirements shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected. All the documents related to BRC must be submitted along with the technical bid.

**A) TECHNICAL: Bidder must meet the following criteria failing which the bid shall be rejected :**

**1.0 Qualification Criteria :**

- i) The bidder shall be an Original Equipment Manufacturer of the tendered item(s), or shall be an authorised agent / dealer / distributor/supply house of an Original Equipment Manufacturer of the tendered item(s) having valid authorization letter/dealership certificate with warranty/guarantee back up from the principal (OEM). Copy of authorization letter/ dealership certificate with warranty/guarantee back up from the principal (OEM) shall be submitted along with the technical bid.
- ii) The Original Equipment Manufacturer of the tendered item(s) shall be holding relevant API certificate(s) with continuous validity for 5 years preceding original bid closing date of the tender, and copy of relevant API certificate(s) shall be submitted along with the technical bid.

**2.0 Experience Criteria**

- i) In case the bidder is an Original Equipment Manufacturer of the tendered item(s),



- (a) The bidder shall have experience of successful execution of past supply for minimum 50% quantity (to be rounded off to next higher integer) of each tender item of same or higher size & rating (class, WP, PSL, PR etc) as specified in the tender, against purchase order / contract awarded in last 5 years preceding the original bid closing date of the tender, to any Oil & Gas Industry or service provider to an E&P company, either by themselves or through their agent/dealer/distributor/stockiest/supply house.
- ii) In case the bidder is an authorized agent /dealer /distributor /supply house,
  - (a) The OEM (principal) shall fulfill the experience criteria mentioned in clause 2(i)(a) mentioned above.
  - (b) Additionally, the bidder himself shall have experience of successful execution of past supply for minimum 50% quantity (to be rounded off to next higher integer) of each tendered item of same or higher size & rating (class, WP, PSL, PR etc.) as specified in the tender, against purchase order / contract awarded in last 5 years preceding the original bid closing date of the tender, to any Oil & Gas Industry or service provider to an E&P company, provided either from the same OEM (principal) or from any other OEM.
- iii) The bidder shall submit documents in support of their previous supply experience and of the principal (OEM), as applicable under clause Nos. 2(i)(a), 2(ii)(a) & 2(ii)(b) mentioned above as follows:
  - (a) Copy(ies) of Purchase Order(s)/Contract document(s), **and**
  - (b) Any one or combination of the following documents that confirms the successful execution of each of the purchase order(s) / contract(s) -
    - Completion report/performance certificate from the clients,
    - Bill of lading,
    - Delivery challan/Invoice etc.
    - Any other documentary evidence that can substantiate the successful execution of each of the Purchase Order(s)/contract(s) cited above.

2.0 The bidder should categorically confirm in their technical bid that the tendered items will be supplied within the delivery period, if mentioned in the tender, without which the bid will be rejected.

#### 4.0 Financial Criteria:

4.1 **Annual Turnover** : The bidder shall have an annual financial turnover of minimum **US\$ 38,005.00** or **Rs 25,84,330.00** during any of the preceding 03 (three) financial years reckoned from the original bid closing date of the tender.

4.2 "Net Worth" of the bidder should be positive for the preceding financial/accounting year.

4.3 Documentary evidence in the form of Audited Balance Sheet and Profit & Loss Account for the preceding 03 (three) financial/accounting years should be submitted along with the Technical Bid.

4.4 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\$.

#### (B) COMMERCIAL:

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

1) Bids are invited under **Single Stage Two Bid System**. Bidders shall quote accordingly under Single Stage Two Bid System. **Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid.** The "Unpriced Bid" shall contain all techno-commercial details except the prices, which shall be kept blank. The "Price Bid" must contain the price schedule and the bidder's commercial terms and conditions.

Bidder not complying with above submission procedure will be rejected.

2) **Bid security of US \$ 1,520.00 or Rs. 103,373.00** shall be furnished as a part of the TECHNICAL BID (refer Clause Nos.9.0 & 12.0 (Section A) of "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders)). A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and/or if the Bid Security validity is shorter than the validity indicated in Tender and/or if the Bid Security amount is lesser than the amount indicated in the Tender.

2.1) For exemption for submission of Bid Security, please refer Clause No. 9.8 (Section A) of "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders).

2.2) The Bank Guarantee towards Bid Security shall be valid upto **21.07.2017**.

3) Validity of the bid shall be **minimum 120 days from** Bid closing date. Bids with lesser validity will be straightway rejected.

4) Bidders must confirm that Goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of 18(eighteen) months from the date of despatch/shipment or 12(twelve) months from the date of receipt at site against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplier's expenses at no extra

cost to OIL.

- 5) Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Bank Guarantee must be valid for 18(eighteen) months from the date of despatch/shipment or 12(twelve) months from the date of receipt at site. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected
- 6) Bidders are required to submit the summary of the prices in their price bids as per bid format (Summary), given below :

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

- (A) Total Material Value :
- (B) Packing & FOB Charges :
- (C) Total FOB Port of Shipment value, ( A + B ) above :
- (D) Overseas Freight Charges upto Kolkata, India :
- (E) Insurance Charges :
- (F) Total CIF Kolkata value, ( C + D + E ) :
- (G) TPI Charges (if any) :
- (H) Grand Total Value,( F + G )
- (I) Grand Total Value in words :
- (J) Gross Weight :
- (K) Gross Volume :

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

- (A) Total Material Value :
- (B) Packing and Forwarding Charges:
- (C) Total Ex-works value, ( A + B ) above :
- (D) Sales Tax, (Please indicate applicable rate of Tax)
- (E) Total FOR Despatching station price, ( C + D ) above
- (F) Road Transportation charges to Duliajan
- (G) Insurance Charges
- (H) Assam Entry Tax
- (I) Total FOR Duliajan value, ( E + F + G + H ) above
- (J) TPI Charges (if any) :
- (K) Total value, (I+J) above :
- (L) Total Value in words :
- (M) Gross Weight :
- (N) Gross Volume:

**NOTE:**

1. Cost of the individual items must be quoted separately.
- 7) The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.
- 8) Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.
- 9) Bids containing incorrect statement will be rejected.

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

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

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

Bids conforming to the specifications, terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria mentioned in Section D of "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005.

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**CHECK LIST****(A) COMMERCIAL CHECK-LIST**

Sl. No.	PARAMETERS/REQUIREMENTS	BIDDER RESPONSE	REMARKS IF ANY
1.	Whether Original Signed quotation submitted?	YES/NO	
2.	Whether quoted as manufacturer?	YES/NO	
3.	Whether quoted as authorized dealer? [To Specify]	YES/NO	
4.	If quoted as authorized dealer,		
5.	(a) Whether submitted valid and proper authorization letter from manufacturer IN ORIGINAL confirming that bidder is their authorized dealer for the product offered?	YES/NO	
6.	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	YES/NO	
7.	Whether bid submitted under single stage Two-Bid System?	YES/NO	
8.	Whether ORIGINAL Bid Bond (not copy of Bid Bond) enclosed with the offer? If YES, provide details	YES/NO	
	(a) Amount :		
	(b) Name of issuing Bank :		
	(c) Validity of Bid Bond :		
9.	Whether offered firm prices?	YES/NO	
10.	Whether quoted offer <b>validity of 120 days from</b> the date of closing of tender?	YES/NO	
11.	Whether quoted a firm delivery period?	YES/NO	
12.	Whether quoted as per NIT (without any deviations)?	YES/NO	
13.	Whether any deviation is there in the offer?	YES/NO	
14.	Whether deviation separately highlighted?	YES/NO	
15.	Whether agreed to the NIT Warranty clause?	YES/NO	
16.	Whether Price Bid submitted as per Price Schedule?	YES/NO	
17.	Whether indicated the country of origin for the items quoted?	YES/NO	
18.	Whether all the items of tender quoted?	YES/NO	
19.	Whether technical literature/catalogue/drawings enclosed?	YES/NO	
20.	For Foreign Bidders - Whether offered FOB/FCA port of dispatch including sea/air worthy packing & forwarding?	YES/NO	
21.	For Foreign Bidders – Whether port of shipment indicated? [To specify]	YES/NO	
22.	For Foreign Bidders only - Whether indicated ocean freight up to C&F Kolkata port (Excluding marine insurance)?	YES/NO	
23.	Whether Indian Agent applicable?	YES/NO	
	If YES, whether following details of Indian Agent provided?		
	(a) Name & address of the agent in India – To indicate		
	(b) Amount of agency commission – To indicate		
	(c) Whether agency commission included in quoted material value?	YES/NO	
24.	Whether weight & volume of items offered indicated?	YES/NO	
25.	Whether confirmed to submit PBG as asked for in NIT?	YES/NO	
26.	Whether agreed to submit PBG within 30 days of placement of order?	YES/NO	
27.	For Indian bidders – Whether place of dispatch indicated in the offer? [To specify]	YES/NO	
28.	For Indian bidders – Whether road transportation charges up to Duliajan quoted?	YES/NO	
29.	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	YES/NO	
30.	For Indian Bidders only - Whether offered Deemed Export prices?	YES/NO	
31.	Whether quoted prices are exclusive of Excise duty?	YES/NO	
32.	For Indian bidders only – whether import content indicated in the offer?	YES/NO	
33.	For Indian Bidders only - whether all Taxes have been indicated categorically?	YES/NO	
34.	Whether all BRC/BEC clauses accepted?	YES/NO	
35.	Whether confirm to accept all clauses of Integrity Pact?	YES/NO	
36.	Whether duly signed Integrity Pact enclosed?	YES/NO	

## COMPLIANCE CHECK-LIST FOR TECHNICAL SPECIFICATION:

SI No	Material Code	Tender requirement	Compliance		Vendor's deviation / remarks
			Yes	No	
1	OC00045 1	<p>ELECTRIC MOTOR DRIVEN, SKID MOUNTED, RECIPROCATING PLUNGER TYPE CHEMICAL DOSING PUMP.</p> <p>Electric Motor Driven, Skid Mounted, reciprocating plunger type Chemical Dosing Pump with enclosed gear box, complete with variable output adjustment devices, relief valves, check valves on suction as well as delivery sides, strainer, base frame etc. as per the following specification -</p>			
		<p>A. Details of Pump:</p> <p>Capacity: 0-40 LPH Delivery Pressure-Maximum of 10 Kg/cm2</p> <ol style="list-style-type: none"> <li>1. Single Simplex Reciprocating Plunger type Metering Pump.</li> <li>2. The suction shall be of size <math>\frac{1}{2}</math> " x <math>\frac{1}{2}</math> " Flanged to ANSI B 16.5, Flanges of SA 105.</li> <li>3. Capacity of the pump shall be 0-40 LPH against dis. Pressure of 10 Kg/cm2 when run with flooded suction. The pump shall have manual adjustment facility for discharge rate.</li> <li>4. The pump shall have suitable check valves at suction and delivery along with a strainer at suction side.</li> <li>5. The Pump shall have suitable safety valves to protect it from any abnormal pressure rise in delivery.</li> <li>6. Liquid - Fluid end (wetted parts) of pump suction and discharge end shall be of SS 304.</li> <li>7. The following MOC shall be used for various parts of pump body: Head: AISI 304, Plunger: AISI 304, Valves (Suction and Discharge): AISI 304, Gland Packing: PTFE.</li> <li>8. The Pump shall be suitable for handling flow improver of viscosity 85 cP @ 40°C. Pump shall be suitable for operating temperature of range 40 - 60°C.</li> </ol>			
		<p>B. Details of Motor:</p> <ol style="list-style-type: none"> <li>1. The motor shall be 3 phase, squirrel cage, AC Induction motor. The motor shall be FLAMEPROOF type, suitable for installation in Zone 1 Hazardous Area, Gas Group IIA and IIB of Oil Mines. The motor shall be certified by Central Industrial Mining and Fuel Research Institute (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory and approved by Director General of Mines Safety (DGMS), Govt. of India, for FLP construction and use in above area.</li> <li>2. Standards to be followed for motor: IS-325, 2148.</li> <li>3. The motor rating shall be minimum 10 % higher than the input shaft HP, required for running of the driven equipment at the rated continuous output.</li> <li>4. The enclosure of the motor shall be TEFC</li> </ol>			

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

		<p>shall be certified by Central Industrial Mining and Fuel Research Institute (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory and approved by Director General of Mines Safety (DGMS), Govt. of India, for FLP-WP construction and use in above area. Standards: IS-13947, 2148. Enclosure: FLP with Degree of protection -IP65</p> <p>3. Starter shall be suitable for <math>415 \pm 6\%</math> volts, 3 Phase, 50 cycles, AC supply and should withstand specified voltage fluctuation. Freq.: <math>50 \text{ Hz} \pm 3\%</math>.</p> <p>4. There shall be a power isolator built-in with the FLP enclosure for isolating the power supply to the starter. Alternately, a separate FLP-WP box with isolator, mounted with the main starter enclosure, can also be provided. However, the complete enclosure shall be certified for flameproof quality and approved by DGMS.</p> <p>5. The starter shall have Power contactor(s) with auxiliary contacts. The Power Contactor(s) normal current rating shall be selected for long life operation of the contactors. One bimetallic thermal overload relay with AUTO/ MANUAL reset (reset button to be mounted on door of the starter and shall be accessible from front) shall be provided for overload protection of the motor.</p> <p>6. Start/stop push button shall be provided on the front of the starter.</p> <p>7. Control circuit of the starter shall operate on 240/415v AC.</p> <p>8. In case of Y/D starter Electronic timer for Y/D delay shall be provided.</p> <p>9. Make of Contactor, Relay, timer: Siemens/GE/Schneider/L&amp; T/ABB/Indo-Asian.</p> <p>10. Terminal Box: Cable termination box with brought out terminals suitable for terminating PVCA aluminum/copper cables of proper size as per rating of motor (01 no. incoming; outgoing 01 no. for DOL or 02 Nos. for YD starter). Terminal shall be of brass with non-hygroscopic insulation support (FRP or DMC) suitable for tropical climate.</p> <p>11. Glands: Adequate nos. of FLP-WP glands (depending on rating and type of starter and cable rating) shall be supplied with the starter. The FLP glands shall be double compression type suitable for installation in Hazardous Area Zone 1 and Gas Group IIA and IIB of Oil Mines. The glands shall be certified by Central Institute of Mining and Fuel Research (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory for FLP construction and use in above area.</p> <p>12. Earthing: Two nos. of earthing studs to be provided on both sides of the enclosure. Earthing system for the starter shall be as per the IS: 3043.</p> <p>13. Markings: Name plate details with name of manufacturer, type, rated voltage, rated output CIMFR/other certification details, DGMS approval details and DGMS logo as per DGMS approval. DGMS logo and approval no. shall be engraved type on a separate metallic plate (brass/SS) and fixed on the</p>			
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	motor body in a conspicuous place, in a permanent manner (riveted on the motor body). 14. Make of Starter shall be FCG/Baliga/Flexpro/FEPL/ExEc/Sudhir/Laxmi Hydraulic.			
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#### Annexure-II

#### COMPLIANCE CHECK-LIST FOR SPECIAL TERMS AND CONDITIONS:

Sl no	Tender requirement	Compliance		Vendor's deviation / remarks
		Yes	No	
1.	The Pump and motor shall be unitized on a common MS skid base plate by a Pin bush type / lovejoy coupling having coupling guard and foundation bolts.			
2.	The bidder must submit necessary drawings and literatures, catalogues, operating manual along with the bid for technical evaluation.			
3.	The FLP motor, starter & FLP gland(s) must be suitable for installation in Hazardous Area Zone 1, Gas Groups IIA and IIB, of Oil Mines. These items shall be certified by Central Institute of Mining and Fuel Research (CIMFR), Dhanbad, or any government approved NABL accredited test laboratory for FLP & WP construction and approved by DGMS for use in above area.			
4.	Valid DGMS approval no. & mark shall be fixed on the motor and starter body as per guidelines mentioned in the DGMS approval			
5.	DGMS approval certificate copy and test laboratory certificate copies of the motor, starter and glands shall be submitted along with the bid.			
6.	Motor/starter shall be guaranteed for one year after date of commissioning and tested for routine tests at factory. Guarantee certificate & the factory test report of the motor should be submitted with the pump unit.			
7.	Frame size & make of the offered motor should be mentioned in the offer.			
8.	All unused cable entries holes of the starter/motor must be plugged with CIMFR/test laboratory certified FLP-WP sealing plugs.			
9.	Packing shall be adequate to avoid transit damage & protection against tropical rains.			
10.	Bidder shall categorically mention that their offer complies with all the features mentioned in the Motor specification & all the relevant documents required as per above points are enclosed in their offer.			
11.	The bidder has to submit the following documents along with their offer for evaluation purpose: a. Detailed layout drawing with detailed equipment sizing calculation b. Detailed technical literature for all equipment c. Detailed Electrical schematic and component layout Diagram of the starter panel			

	d. Detailed drawings of the offered FLP Motor and starter enclosure showing terminal box & cable entry arrangement with double compression cable glands e. Categorical confirmation of submission of valid DGMS approval letter and test laboratory Certification for all equipment used in the unit			
12.	The bidder shall, in the event of an order, agree to submit the following documents prior to dispatch of the unit & only after receipt of categorical approval from OIL; the unit is to be dispatched from their plant: a. Detailed Foundation Drawing of the unit. b. Detailed Operation & Maintenance (O&M) Manual. c. Guarantee Certificate. d. Valid test laboratory certification & DGMS approval letter for all flameproof equipment used in the unit.			
13.	The bidder shall quote for recommended spares along with price, part nos. of individual items for two (02) years trouble free operation of the dozing unit. While quoting for these spares, the bidder shall take into account the consumption pattern as deemed fit. The price of these spares shall not be considered for evaluation. However, procurement of these spares shall be at the discretion of OIL.			
14.	The bidders shall also confirm availability of all the spares quoted, for a period of ten (10) years from the date of supply of the dozing unit.			
15.	In the event of an order, first fill of lubricant shall be within the scope of supply of the bidder.			
16.	The Bidder to submit Technical Compliance Check List along with technical bid as per Annexure-I, Annexure-II & Annexure-III, attached.			

#### Annexure-III

#### COMPLIANCE CHECK-LIST FOR BRC/BEC (TECHNICAL):

Tender requirement		Compliance			Vendor's deviation / remarks
		Yes	No	Page nos. of the relevant documents	
BRC/BEC (TECHNICAL):					
Notwithstanding the general conformity of the bids to the stipulated specifications, terms and conditions, the following requirements shall be particularly met by the bidders, without which the offer will be considered as nonresponsive and summarily rejected. Post tender clarification or submission of additional documents cannot be sought in regards to BRC stipulated below.					
1	Bidder's Qualification:  The Bidder shall be an Original Equipment Manufacturer (OEM) or its authorized agent / dealer. Bidders other than Original Equipment Manufacturer (OEM) shall submit a valid				

	Authorization Certificate along with warranty / guarantee back-up from the OEM along with the bid.				
2	<p><b>Bidders Experience:</b></p> <p>The bidder shall have the experience of successful execution of purchase order(s)/ contract(s) for supplying 50 % of tender quantity (rounded off to next integer), of tender item to any reputed Oil &amp; Gas Industry (s) in the last 05 (five) years preceding the original bid closing date of this tender.</p> <p>The supporting documents to be submitted with the technical bid as documentary evidence of successful execution of past supply/ contract are as follows:-</p> <p>Copy(ies) of Purchase Order(s) / Contract document(s), and</p> <p>b) Any of the following documents that confirms the successful execution of the order(s)-</p> <ul style="list-style-type: none"> <li>- Performance / supply completion / installation report from the customer,</li> <li>- Bill of lading,</li> <li>- Delivery challan / invoice etc.</li> <li>- any other documentary evidence that can substantiate the successful execution of each of the Purchase Orders cited above.</li> </ul>				