

Bid Document

Bid Details	
Bid End Date/Time	01-06-2022 15:00:00
Bid Opening Date/Time	01-06-2022 15:30:00
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	2
Item Category	Reciprocating triplex, seal-less (packing free) hydraulically actuated and balanced diaphragm pump (Q3)
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,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (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	3 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
Quality Assurance Plan document	1651654104.pdf

Bid Details	
Payment Timelines	Payments shall be made to the Seller within 30 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
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).	20

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

Beneficiary:

GMFA

Oil India Limited, Duliajan, Assam 786602. Email : tuhin_roy@oilindia.in; Details of Beneficiary : OIL INDIA, 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 (Gmfa)

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.

Reciprocating Triplex, Seal-less (packing Free) Hydraulically Actuated And Balanced Diaphragm Pump (2 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

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	1%
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	2	270

Buyer added Bid Specific Additional Scope of Work

S.No.	Document Title	Description	Applicable i.r.o. Items
1	SCOPE View	SCOPE	Reciprocating Triplex, Seal-less (packing Free) Hydraulically Actuated And Balanced Diaphragm Pump(2)

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 Terms and Conditions

1. Scope of Supply

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and

2. Generic

After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 15 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 15 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing– the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

3. Generic

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. Generic

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.

5. Purchase Preference (Centre)

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.

6. Generic

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. Generic

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 30 days from date of issue of GeM Contract and material should be dispatche after receiving of EC rom DGH."

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---

TECHNICAL SPECIFICATIONS.

ITEM NO. 1 - Horizontal, single acting, positive displacement, reciprocating triplex, seal-less (packing free) hydraulically actuated and balanced diaphragm pump meeting API Standard 674 and rated for Continuous Duty. Qty = 2 Nos.

Sl No	Section / subsection	NIT Description	Bidder's Comments / Remarks/ Offer
A.	PUMP :		
1.0	Type	Horizontal, single acting, positive displacement, reciprocating triplex, seal-less (packing free) hydraulically actuated and balanced diaphragm pump meeting API Standard 674 and rated for Continuous Duty.	
2.0	Capacity and Discharge	Continuous Rating Flow should be less 20 M ³ to 25 M ³ per hour at working pressure 25Kg/Square CM to 30 Kg/Square CM or higher pressure.	
3.0	Pump Speed	The speed limit of the offered pump shall be governed by the maximum allowable speed ratings for continuous service as per API 674 standards. 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 .	
4.0	Fluid End Features	The pump should have at least the following Fluid End features: (i) Seal-less pumping chamber and hydraulically-balanced multiple diaphragm design (ii) Diaphragm Position Control Device for protection of diaphragm for accidental operation of pump under closed suction line condition (iii) Rugged construction, Continuous Dry Run option for time not less than 2 hours (iv) Wetted Materials made of 316L Stainless Steel / Nickel Aluminium Bronze / Duplex / Hastelloy C	

		(v) Suction and Discharge on either side (vi) Monobloc pump head	
5.0	Power End Features	The pump should have at least the following Power End features: (i) Ductile Iron Crankcase (ii) Forged alloy steel crankshaft (iii) Spherical Roller Crankshaft bearings or Crankshaft bearing as per manufacturer standard, suitable for taking the thrust loads.) (iv) Steel backed babbit (Crankpin Bearing) (v) Ductile iron connecting rods (vi) Carbon steel Cross Heads (vii) Bronze Wrist Pin (viii) Alloy Steel crosshead pins (ix) Flooded sump Splash Lubrication for power end (x) Sight glass gauge or oil level dipstick	
6.0	Accessories	(i) Full flow, suitably sized and rated, spring loaded, Reset/ Auto Relief Valve, mounted on the discharge piping. (Make: OTECO/ BAIRD / CAMERON or of EQUIVALENT STANDARD & QUALITY and conforming to API standards.) Note: The relief valve is to be set at 110% of maximum working pressure requirement at the time of delivery. (i) 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) (ii) Suitably designed Suction Stabilizer and Discharge Pulsation Dampener (Diaphragm Type, pre charged), mounted and installed in line with the suction and discharge piping. Note: Dampeners should be of Carbon Steel/ 316SS construction built to ASME pressure vessel codes and code stamped (iii) The pump suction piping should incorporate a suitably sized Gate / Ball valve and suction stabilizer 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 bypass valve, a Reset relief valve and discharge pulsation dampener. Notes	

		<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>(iv) 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>																																											
7.0	Liquid to be handled	<p>The pumping unit should be suitable for pumping crude oil and condensate. Typical properties of the well fluid, required to be handled, is provided to assist the selection process :</p> <table><tr><td>(i)</td><td>API Gravity at 60 Deg</td><td>: 34 to 65</td></tr><tr><td>(ii)</td><td>PH</td><td>: 7.2- 8.5</td></tr><tr><td>(iii)</td><td>Salinity (ppm)</td><td>: 3800</td></tr><tr><td>(iv)</td><td>CO3</td><td>: 250</td></tr><tr><td>(v)</td><td>HCO3</td><td>: 800</td></tr><tr><td>(vi)</td><td>Pour Point (Deg C)</td><td>: <9 to 28</td></tr><tr><td>(vii)</td><td>Water Content (% v/v)</td><td>: 0 to 50</td></tr><tr><td>(viii)</td><td>Pumping Temp</td><td>: 25 to 35 Deg C</td></tr><tr><td>(ix)</td><td>Viscosity</td><td>: 09 to 13 cp @ 26 Deg C, 11 to 17 cp @ 24 Deg C, 14 to 29 cp @ 22 Deg C</td></tr><tr><td>(x)</td><td>Density at 15 (Deg C), gm/cm3</td><td>: 0.7200 to 0.8550</td></tr><tr><td>(xi)</td><td>Wax content, % w/w</td><td>: 0.1 to 3</td></tr><tr><td>(xii)</td><td>Asphaltene content, % w/w</td><td>: 0.1 to 3</td></tr><tr><td>(xiii)</td><td>Resin content, % w/w</td><td>: 0.1 to 3</td></tr><tr><td>(xiv)</td><td>Sulphur, mg/l</td><td>:300</td></tr></table>	(i)	API Gravity at 60 Deg	: 34 to 65	(ii)	PH	: 7.2- 8.5	(iii)	Salinity (ppm)	: 3800	(iv)	CO3	: 250	(v)	HCO3	: 800	(vi)	Pour Point (Deg C)	: <9 to 28	(vii)	Water Content (% v/v)	: 0 to 50	(viii)	Pumping Temp	: 25 to 35 Deg C	(ix)	Viscosity	: 09 to 13 cp @ 26 Deg C, 11 to 17 cp @ 24 Deg C, 14 to 29 cp @ 22 Deg C	(x)	Density at 15 (Deg C), gm/cm3	: 0.7200 to 0.8550	(xi)	Wax content, % w/w	: 0.1 to 3	(xii)	Asphaltene content, % w/w	: 0.1 to 3	(xiii)	Resin content, % w/w	: 0.1 to 3	(xiv)	Sulphur, mg/l	:300	
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8.0	Suction condition	<p>The pump should be capable of operating with suction Pressure 0 to 05 Bar (gauge)(minimum)</p>																																											

9.0	Name plate and rotation arrows	<p>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.</p> <p>OIL's Purchase Order No. should be clearly and permanently painted.</p> <p>Rotation arrows indicating direction of rotation of major items should be cast in or attached.</p>	
10.0	Certificates and Documents to be forwarded	<p>(a) The following documents should be forwarded along with the quotations:</p> <ul style="list-style-type: none"> (i) Product Line Catalogue, specifying materials of construction and constructional features of the seal less triplex diaphragm pump and technical literatures of all ancillary equipment. (ii) Performance Chart of the seal less triplex diaphragm pump including all technical calculations such as hydraulic horse power, volumetric efficiency, mechanical efficiency, RPM, gear ratio, maximum plunger load, NPSH requirement, etc. (iii) Documents for Electrical items (Please refer C. PRIME MOVER) (iv) Documents for Instrumentation items (Please refer L. SPECIAL TERMS & CONDITIONS) <p>(b) The following documents shall have to be forwarded within a month of issue of LOI or placement of firm purchase order</p> <ul style="list-style-type: none"> (i) Foundation diagrams for the complete pump set indicating the static and dynamic loads of the package. <p>(c) The following documents must be forwarded along with the supply of equipment</p> <ul style="list-style-type: none"> (i) Certified Test Results (ii) Certificate of Hydrostatic Testing (iii) Manufacturers Certificate of Authenticity (iv) Certificate of Test / Conformance of Pump, Motors and associated Ancillaries like Relief Valves, Pressure Gauges, Dampeners, Etc. 	

		<p>(v) Operation and Maintenance Manuals , Illustrated Parts Catalogues Of Pump, Electric Motor , Gear Box and all other Accessory Equipment.</p> <p>(vi) Detailed step by step Safe Operating Procedure (SOP) for the complete equipment.</p>	
B	Speed Reduction	<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 SHANTI/ GREAVES or equivalent 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 1.75 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 and suitable cooling system.</p>	
C	PRIME MOVER	<p>C. PRIME MOVER: The prime mover for main pump and charge pump (if any) shall be three phase, squirrel cage rotor induction motor with the following specifications:</p> <p>1. Type: The motor shall be 3 phase, squirrel cage, AC Induction motor. The motor shall be FLAMEPROOF (Explosion Proof) Ex-d type, suitable for installation in Zone 1 Hazardous Area, Gas Group IIA and IIB of Oil Mine.</p> <p>2. Rated output: Capacity of the motor shall be corresponding to pump capacity. However, the 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.)], required for running of the driven equipment at the rated continuous output. Selected Motor rating and calculation behind selection must be furnished while bidding.</p>	

	<p>3. Enclosure: TEFC, FLP with Degree of protection - IP55. CI/ MS enclosure painted with Epoxy based DA Grey Paint.</p> <p>4. Insulation: Vacuum pressure impregnated. Class F with temperature rise limited to that of class B. Space heater shall be fitted if selected motor capacity happens to be 100 HP or more.</p> <p>5. The motor shall confirm to IS/IEC 15999-1, IS 12615, IS/IEC 60079-0, IS/IEC 60079-1 for performance, service and construction.</p> <p>6. Voltage: Motor shall be suitable for $415 \pm 6\%$ volts, 3 Phase, 50HZ, AC supply and should withstand high voltage fluctuation.</p> <p>7. Freq.: 50 Hz +- 3%</p> <p>8. RPM: To match driven equipment</p> <p>9. Duty: Continuous (S1)</p> <p>10. Mounting: As per equipment design.</p> <p>11. Shaft support: Rolling element Bearings at DE and NDE</p> <p>12. Cooling: Bidirectional cooling fan at NDE</p> <p>13. Switching: 15 Cold Starts / Hr.</p> <p>14. Ambient: Max. 40°C, Min 6°C, 95% RH, Altitude-150 Mtr.</p> <p>15. 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.</p> <p>16. Terminal Box: FLP Cable termination box with brought out terminal studs suitable for terminating PVCA aluminium cables of proper size as per rating of motor. Terminal shall be of brass with non-hygroscopic insulation support (FRP or DMC) suitable for tropical climate. Suitable termination arrangement shall also be provided in case the heater is installed. Cable entry shall be ET type.</p> <p>17. Starting: Direct on Line (DOL) starter for motors up to 12.5 HP; Star – Delta (YD) starter for motor above</p>	
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	<p>12.5 HP and up to 40 HP; Soft starter for motors above 40HP. Suitable NFLP type starter shall be provided along with pump set. Before construction / fabrication of the motor starter panel, the supplier shall get approve all electrical drawings (power & control circuit diagram) & relevant documents including bill of materials from the concerned Electrical Engineer of OIL.</p> <p>The control voltage of remote push button stations for motors is to be limited to maximum 30 V as per CEA Regulations, 2010. Therefore, an intrinsically safe barrier (ISB) shall be placed between the remote pushbutton station and motor starter panel, so that no dangerous voltage is transmitted to hazardous area for operation of the remote pushbutton station. The Intrinsically Safe Barrier is to be placed in the motor starter cubicle. Make & Model of ISB - PEPPERL+FUCHS (Model: KFA6-SR2-EX2.W)</p> <p>18. Suitable flameproof type local push button station for ON/OFF operation of the motor shall be provided, which will be installed nearer to motor.</p> <p>19. 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. No. of cable entry / entries in terminal box shall be as per starter type. Make of Gland: Baliga, GMI, Dowells, Sudhir, Commet.</p> <p>20. 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>21. Lifting Hook: Lifting hook(s) shall be provided for lifting the motor.</p> <p>22. 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, amb. temp, bearing sizes, lubricating material and year of manufacture, CIMFR Certification No.</p> <p>23. <u>Certification of Flameproof Items</u>: Against all flameproof items (Motor, Push Button Station & 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</p>	
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		<p>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 above mentioned type test certificates for the Flameproof (FLP) items are not readily available with the bidder at the time of bidding, bidder must furnish a declaration stating that "within 15 days of placement of order, all the above mentioned test certificates shall be furnished to OIL for review & approval. Fabrication / supply shall commence only after approval of test certificates by OIL."</p> <p>Bids/offers not accompanying the above test certificates/declaration will not be considered for technical evaluation.</p> <p>24. Motor Make: Bharat Bijlee/ Crompton Greaves/ KEC/ Siemens/ Marathon / ABB (Bidder to specify the make in the offer/bid)</p> <p>25. General Notes on motor</p> <p>i) Frame size & make of the offered motor should be mentioned in the offer.</p> <p>ii) Copy of the drawing of the offered FLP Motor enclosure showing terminal box & cable entry arrangement with double compression FLP cable gland and the offered starter shall be submitted with the offer.</p> <p>iii) Actual no. of cable entries to the Motor terminal box, and hole size would be decided after placement of the order depending on motor rating, starter type and cable size.</p> <p>iv) Packing should be adequate to avoid any transit damage & water ingress.</p> <p>v) On placement of PO, supplier shall obtain approval of drawings against Motor GA, Electrical schematic drawings of the Motor Starter, Sizing of the FLP type cable glands with respect to Motor Terminal Box and Motor Starter before manufacturing/fabrication.</p>	
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D	INSTRUMENTATION FOR PUMP	<p>INSTRUMENTATION FOR PUMP:</p> <p>The following instrumentation items shall be provided for the pump. 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:</p> <p>(i) PUMP DISCHARGE FLOW METER:</p> <p>TURBINE FLOWMETER MAKE : NU FLO / Emerson /Endress Heuser or Equivalent RANGE: AS PER DESIGN POWER SUPPLY: MAX 30 VDC OUTPUT: 4 TO 20 mA LCD DISPLAY: FLOW RATE & TOTAL FLOW</p> <p>Note: 230 VAC power supply is available at site. However rectification to 24 VDC will be at supplier's scope.</p>	
E	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 gearbox and finally from the Output shaft to the crankshaft of the triplex pump through a Flexible Disc coupling or as per manufacturer standard.</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,</p> <p>N.B.: All rotating parts should be covered by suitable guards.</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>	

		<p>a) Drip pan for cradle/fluid area of pump complete with threaded drain</p> <p>b) Dip lip for cradle / fluid area of pump</p> <p>c) Grouting holes</p> <p>d) Horizontal adjustment screws for minor adjustment</p> <p>e) Two grouting bosses on skid</p> <p>f) Interconnection piping spool pieces on suction and discharge with ancillary components</p> <p>g) Non sparking Aluminium safety guards.</p> <p>h) One set of proper size foundation bolts and nuts with each pump sets. The foundation Bolt for the skid is to be in accordance with ASTM #A193 and nut as per ASTM # A193.</p> <p>N.B.:</p> <p>The unitization process shall also include following:</p> <p>a) Painting of skid, pump, piping and other accessories.</p> <p>b) 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. The top coat shall be one coat of gloss alkyd national blue enamel 1.0 to 2.0 mils dry film thickness.</p> <p>c) Supply and erection of suction stabilizer, Discharge dampener, Safety Relief Valve, pressure gauges, inlet & outlet ball valves, check valves drain valve, Bypass valve and pipes and pipe fittings.</p>	
G	PRE-DISPATCH INSPECTION AND TESTING	<p>The pump set shall be inspected by OIL's deputed engineer at manufacturers / assemblers 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>The supplier shall carry out full load performance test on the pump set, at duty conditions , in the presence of OIL's deputed representative .</p> <p>During inspection and testing all electrical items including motor, starter, PBS etc. will be thoroughly checked and tested by OIL's Electrical Engineer. All test certificates of the flameproof items shall be produced during the inspection and testing.</p> <p>The supplier shall give "Pre-Dispatch Inspection" call to OIL atleast 60 days prior to delivery date of the PO. OIL shall complete "Pre-Dispatch Inspection" within 30 days of receipt of call from supplier.</p> <p>Note: OIL will bear the expenses towards traveling and accommodation etc. of the OIL's inspection team.</p>	
H	INSTALLATION & COMMISSIONING	<p>Installation and Commissioning of the Pump set shall be carried out by the bidder in the presence of OIL representatives at its fields at Duliajan, Assam (India). Services of qualified and competent personnel from equipment manufacturer are essential during installation and commissioning of the pump sets. Only competent service personnel shall be engaged for installation, testing and commissioning of pump sets. OIL will provide necessary statutory permits in classified areas as and when required.</p> <p>Installation / commissioning charges should be quoted separately which shall be considered for evaluation of the offers. These charges should include amongst others to and fro fares, boarding/ lodging and other expenses of the commissioning engineers during their stay at Duliajan, Assam (India). All Personal, Income and Service Tax etc. towards the services provided by the supplier shall be borne by the supplier and will be deducted at source. Bidders should provide their scope of the installation/ commissioning work and confirm the same in the Technical Bid.</p> <p>The supplier shall be intimated within 90 days of receipt of all the items at Duliajan for starting "Installation & commissioning". Installation & Commissioning shall be completed within 03 (Three) months after receipt of OIL's intimation.</p>	

		<p>Notes:</p> <p>(i) Scope of jobs offered by the bidder under installation & commissioning should be clearly mentioned in the offer.</p> <p>(ii) Once commissioned at designated site the pump set will be subjected to a trial run on available load for a minimum period of 72 hrs and on satisfactory performance shall be subsequently handed over to OIL.</p>	
I	WARRA NTY	<p>The warranty period for the Electric Motor, pump set and all ancillary equipment should be a minimum of 18 months from the date of dispatch / shipment or 12 months from the date of commissioning, whichever is earlier.</p>	
J	MANDA TORY SPARE PARTS AND SPECIA L TOOLS	<p>a) Bidders have to provide spare parts, along with supply of pumpset, (in case of order) that are envisaged to be required for operation and maintenance of the pump set for two years, including the following spares:</p> <p>(i) Complete set/ kit of diaphragms for the pump: 1 set per pump.</p> <p>(ii) Complete set of O Rings for fluid end: 1 set per pump.</p> <p>(iii) Complete set of valve assembly for suction and discharge: 1 set per pump.</p> <p>(iv) Pump Oil and Gear Box Oil required for oil change and top up for each pump: OEM Recommended Qty.</p> <p>(v) Spare flowmeter with all accessories: 01 set per pump.</p> <p>The part number with part description along with quantity shall be furnished in the technical bid.</p> <p>b) Special tools (if any) required for the operation and maintenance of the pump set should be included in the scope of supply.</p> <p>c) The cost of the spares, with individual price against each spare, and special tools (if any) should be included in “GEM price schedule”. The price break of items (as detailed in Annexure -II) should be uploaded as “Financial documents” of GEM Priced bid only. The</p>	

		<p>price breakup should not be uploaded under GEM Technical bid as it shall lead to rejection of the bid.</p> <p>Note: The bidder shall provide an undertaking that-</p> <p>(i) the spare parts required for 2 years of normal operation and maintenance are included in the scope of supply and are adequate,</p> <p>(ii) Special tools (if any) are also included in the scope of supply.</p>	
K	AFTER SALES SERVICE	<p>The nature of after sales service, which can be offered by the bidder during initial commissioning and also subsequently should be clearly stated.</p> <p>Bidders should also confirm that spares, both regular consumable ones as well as vital / insurance spares, for pump and all accessories quoted, shall be available for at least 10 years after the delivery of the material.</p>	
L	SPECIAL TERMS & CONDITIONS:	<p>(i) Undertaking from the OEM of Pump and Electric Motor (in original on OEM's letter head) shall be submitted by the bidder along with technical bid, guaranteeing uninterrupted supply of spares and availability of service for at least 10 years with effect from delivery of the Item / product for the item / product to be supplied under the Tender / Order, in the event of placement order.</p> <p>(ii) The bidder shall provide an undertaking that-</p> <p>(a) the spare parts required for 2 years of normal operation and maintenance are included in the scope of supply and are adequate,</p> <p>(b) Special tools (if any) are also included in the scope of supply.</p> <p>(iii) All electronic/electrical instruments and equipment to be used in hazardous area shall fulfil the following:</p> <p>(a) Item shall be of a type and specification conforming to the relevant standards as specified in the Regulation 107(2) of Oil Mines Regulation-2017 and complying the provisions therein.</p> <p>(b) Bidder shall provide 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,</p>	

		<p>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 along with their offer against this tender.</p> <p>(c) 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. Copy of the gazette notification is attached for reference.</p>	
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M. DATA SHEET

		DETAILED OFFER ATTACHED
1	DATA SHEET (MOTOR)	
2	MAKE	
3	MODEL	
4	TYPE	
5	VOLTAGE	
6	FREQUENCY	
7	NO OF PHASES	
8	NO OF POLES	
9	ENCLOSURE	
10	COOLING SYSTEM	
11	DIRECTION OF ROTATION	
12	INSULATION CLASS	
13	RATED RPM	
14	DUTY	
15	MOUNTING	
16	STARTING	
17	SWITCHING	
18	TERMINAL BOX	
19	GLAND	
20	TYPE OF DRIVE	
21	BEARING	
22	GROSS HP AT RATED RPM	
23	NETT HP AVAILABLE AT 1500 RPM	
24	MAKE AND MODEL OF COUPLING MOTOR AND GEARBOX	
25	DATA SHEET (PUMP)	
26	MAKE	
27	MODEL	
28	SIZE (PLUNGER DIAMETER X STROKE LENGTH)	
29	LIMITING PRESSURE AND VOLUME AT OFFERED SIZE	

30	OFFERED SPEED	
31	LIMITING SPEED AS PER RELEVANT STANDARD	
32	DISCHARGE VOLUME@OFFERED SPEED ($\eta_{vol} = 95\%$)	
33	HHP REQUIREMENT AS PER NIT PARAMETERS	
34	MAKE AND MODEL OF EXTERNAL GEAR BOX	
35	GEAR RATIO OF EXTERNAL FOOT MOUNTED GEAR BOX	
36	TYPE AND SIZE OF COUPLING BETWEEN MOTOR SHAFT AND GEAR BOX INPUT SHAFT	
37	TYPE AND SIZE OF COUPLING BETWEEN GEAR BOX OUTPUT SHAFT AND TRIPLEX PUMP INPUT SHAFT	

N. GENERAL NOTES TO BIDDERS.

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 order specifications. This clause shall be valid for 18 months from date of shipment/dispatch or 12 months from the date of Installation & Commissioning whichever is earlier. The defective materials, if any, rejected by OIL shall be replaced by the supplier at their own arrangements. Bidders must confirm the same in their quotations.

2. Bidder should indicate the name of manufacturer, country of origin and port of dispatch of the materials.

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

4. Bidder to sign and submit completely filled up Technical Evaluation Matrix for Bid evaluation criteria and Technical specification.

5. Delivery:

Materials must be delivered within (09) months from the date of placement of order by OIL.

The supplier shall be intimated within 90 days of receipt of all the items at Duliajan for starting "Installation & commissioning".

Installation & Commissioning shall be completed within 03 (Three) months after receipt of OIL's intimation.

6. Unloading at Duliajan, Assam:

All the Goods in the GeM shall be offered on Free Delivery at Site basis including unloading. HOWEVER, OIL SHALL PROVIDE CRANE FOR UNLOADING OF ITEMS ONLY. Supplier shall depute adequate crew, who has experience of unloading of items at Destination (Duliajan) with necessary safety gears i.e. helmet, safety boots, hand gloves etc. at unloading point.

The safety of the crew deputed by the supplier shall entirely be the responsibility of supplier and therefore they shall take all necessary measures/precautions to ensure that no injuries occur to personnel or property. Supplier must ensure that the crew involved for unloading are properly trained on the procedures and aware of the potential hazards while handling the items.

7. PRICE BREAK UP -

Bidders should fill up, sign and upload the price break of items (as detailed in Annexure -II) under “Financial documents” of GEM Priced bid only. The price breakup should not be uploaded under GEM Technical bid as it shall lead to rejection of the bid.

PRICE BREAK UP –**A) PRICE BREAK UP OF ITEMS WHOSE COST IS TO BE INCLUDED IN “GEM PRICE SCHEDULE”.**

		<i>Qty</i>	<i>Unit Price (In Rs) including GST</i>	<i>Applicable GST rate</i>
	<p>a) Spare parts that are envisaged to be required for operation and maintenance of the pump set for two years, including the following spares:</p> <p>(i) Complete set/ kit of diaphragms for the pump: 1 set per pump.</p> <p>(ii) Complete set of O Rings for fluid end: 1 set per pump.</p> <p>(iii) Complete set of valve assembly for suction and discharge: 1 set per pump.</p> <p>(iv) Pump Oil and Gear Box Oil required for oil change and top up for each pump: OEM Recommended Qty.</p> <p>(v) Spare flowmeter with all accessories: 01 set per pump.</p>			
	b) Special tools (if any) required for the operation and maintenance of the pump set.			

Notes:

1. Price break up to be provided for above.
2. **Bidders should fill up, sign and upload this price break up under “Financial documents” of GEM Priced bid only. The price breakup should not be uploaded under GEM Technical bid as it shall lead to rejection of the bid.**

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

The bids shall broadly conform to the specifications and terms and conditions given in this bid document. Bids shall be rejected in case the items offered do not conform to required 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 will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected.

BID REJECTION CRITERIA (BRC)

A.1. TECHNICAL:

1.0 The bidder should be an OEM of pump or authorized dealer of OEM of the pump or an OEM (of pump) recommended assembler of pump sets for the last 05 (five) years reckoning from the original bid closing date of the tender.

The following Documentary evidence of being the OEM/Assembler/ Authorized Dealer of OEM (as the case may be) must be submitted along with the offer:

Certificate of Incorporation, Undertaking as OEM/ Assembler/ Authorized Dealership Certificate, Product Catalogues, List of past orders.”

Bidders other than OEM must furnish valid authorization certificate from OEM (of pump) clearly stating whether the bidder is an authorized dealer of OEM (of pump) or an OEM (of pump) authorized assembler of pump set.

In all cases the bidder has to purchase the Pump and the Electric Motor (in case of bought out item) from the respective OEM or the authorized dealer of OEM of these items and such purchase documents must be submitted along with the supply of the Pump set. Undertaking from the bidder in this regard must be enclosed with the offer.

2.0 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. 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 supplied if order is placed on the bidder."

3.0 Bidders should have the experience of successfully executing at least 1(one) order for total minimum order value of Rs. 76.14 Lakhs (50% of the tender value) in preceding 5(five) years from the original bid closing date of the tender against

supply of reciprocating pump with prime mover for oil field application in PSUs, State/ Central Govt. Undertakings, Public Limited Companies.

The bidder shall submit documentary evidence in support of his previous supply experience as follows :

i) Copy (ies) of Purchase Order(s) clearly mentioning the Gross value of the order,
AND

ii) Any one or combination of the following documents that confirms the successful execution of each of the purchase order(s).

a) Signed and Sealed Satisfactory supply / Completion / Installation report (in Original on User's Letter Head).

b) Bill of lading, Invoice etc.

c) Consignee receipt delivery challan

d) Central Excise Gate Pass/Tax Invoices

e) Commercial Invoice/Payment Invoice

Note:

(a) The purchase order date need not be within 5(five) years preceding original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding Original bid closing date of this tender.

(b) A job executed by a bidder for its own organization / subsidiary cannot be considered as experience for the purpose of meeting BEC.

4.0 The pump model should have proven track record of not less than 720 running hours in one single unit in water flood / formation water disposal / hydrocarbon service applications (crude oil transfer, condensate injection/ pumping, polymer injection, glycol injection in the E & P Sector or petroleum and petrochemical products pumping in Refining & Distribution Sector of the Oil & Gas Industry)

Documentary evidence such as supply /purchase order copy, satisfactory performance certificates from the owner/user with the Make/Model of the pump clearly appearing in the body of the above documents should be enclosed with the technical bid.

5.0 The prime mover should be 3 phase, squirrel cage, AC Induction motor as specified in the tender document.

6.0 The bidder shall have to provide undertaking that in case the order is placed on the bidder, the major components of the pump packages to be supplied, like main pump and fluid end, will be manufactured after the bid closing date of this tender. However, all the items shall be new, unused & of prime quality.

A.2 BRC -FINANCIAL:

1.0 Annual Turnover - The bidder shall have annual financial turnover of minimum INR 76.14 Lakhs 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 proceeding 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 (ref. Proforma-6) certifying that 'the balance sheet/Financial Statements for the preceding financial year 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-7.

OR

ii) Audited Balance Sheet along with Profit & Loss account.

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\$, then the bidder shall have to convert the figures in equivalent INR or US\$ considering the prevailing conversion rate on the date of Balance Sheet and Profit & Loss Account. A CA certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US\$.

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 1.0 above.
- ii) Net Worth of the parent/ultimate parent/ holding company should be positive in line with Para 2.0 above.
- iii) Corporate Guarantee (as per Proforma-8) on parent / ultimate parent/ holding company's company letter head signed by an authorised 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) Document of subsidiary company being 100% owned subsidiary of the parent/ ultimate parent/ holding company.

CHECK LIST**Part I TECHNICAL**

<u>Sl No.</u>	<u>REQUIREMENT</u>	<u>COMPLIANCE</u>
1	Whether quoted as OEM of Pump and whether documentary evidences submitted? YES/NO	
2	Whether quoted as authorized dealer of OEM of Pump and whether documentary evidences submitted? YES/NO	
3	Whether quoted as OEM recommended assembler of Pump sets and whether documentary evidences submitted? YES/NO	
4	Whether the offered Pump is horizontal, single acting, seal-less, packing free triplex hydraulically balanced diaphragm pump meeting API Standard 674? YES/NO	
5	Whether the Pump is designed for continuous service duty? YES/NO	
6	Whether the offered Electric Motor meets the specification mentioned in the tender? YES/NO	
7	Whether the Minimum Net HP of the Motor is as per NIT requirement? YES/NO	
8	Whether the Motor is rated for continuous power? YES/NO	
9	Whether Test Certificates / Declaration against the FLP Motor, FLP Local PBS and Cable Glands for use in hazardous Area are enclosed with the offer, as per tender requirement? YES / NO	
10	Whether the speed reduction gear box is external foot-mounted? YES/NO	
11	Whether the floor of the three runner skid shall be covered by checkered plates? YES/NO	
12	Whether Flexible disc couplings have been incorporated in the transmission? YES/NO	
13	Whether guards shall be provided over couplings? YES/NO	
14	Whether the two years spares for the packages indicated have been included in the offer? YES/NO	
15	Whether special tools and commissioning spares have been included in the scope of supply? YES/NO	
16	Whether spares shall be available for 10 years after supply of equipment? YES/NO	
17	Whether separately highlighted any deviation from the technical specifications? YES/NO	

18	Whether the Pre-dispatch inspection of the Pump packages shall include Full Load Performance test of the Pump Sets ? YES/NO	
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Part II COMMERCIAL:

<u>Sl No.</u>	REQUIREMENT	COMPLIANCE
1.0	Whether quoted as manufacturer?	Yes / No
2.0	Whether quoted as OEM Dealer / Supply House etc. To Specify-	Yes / No
	If quoted as OEM Dealer / Supply House.	Yes / No
2.1	(a) Whether submitted valid and proper authorization letter from manufacturer confirming that bidder is their authorized Dealer / supply House for the product offered ?	
2.2	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	Yes / No
2.3	Whether all documents have been submitted as required for fulfilling Experience criteria clause of BRC-Technical.	Yes / No
2.3.1	Name and details of the company to whom the bidder has successfully executed orders / contracts for atleast 50% of the tendered quantity as per Experience criteria clause of BRC-Technical.	
2.3.2	Whether submitted the profile and other documents of the company for verification (viz. Annual reports, Memorandum of Association, Article of Association etc.)	Yes / No
2.3.3	Whether submitted Financial balance sheets, Proforma 6 & 7 for fulfilling BRC-Financial.	
3.0	Name of Manufacturer.	
4.0	Place of Despatch.	
5.0	Local content amount and percentage. Details of locations at which the local value addition is made.	
6.0	Whether you are quoting under PP-LC or MSME policy.	

7.0	Whether Integrity Pact with digital signature uploaded (if applicable as per Additional Terms and Conditions) ?	
7.1	Whether all the clauses in the Integrity Pact have been accepted?	
8.0	Name, Address, Phone No & E-mail id of Bidder.	
8.1	Bank details of Bidder.	
9.0	Whether indicated 'Local Content' required as per PPLC Policy?	
9.1	Whether indicated the import content in Price Bid?	
10.0	Whether quoted for any deviations to the tender.	

SPECIAL NOTES TO BIDDERS:

1.0 The items covered in this Tender shall be used by Oil India Limited in the PEL/ML areas and hence concessional GST @5% (for indigenous bidder) will be applicable as per Govt. Policy in vogue.

2.0 Successful bidder shall arrange to provide all necessary documents (invoice etc.) to OIL for applying Essentiality Certificate atleast 1 months prior to stipulated Delivery date. Further, Successful bidder shall affect dispatch only on receipt of relevant certificates/ shipment clearance from OIL, failing which all related liabilities shall be to Supplier's account.

3.0 No Bid Security /Earnest Money Deposit (EMD) shall be applicable till 31.12.2022. Instead of EMD /Bid Security, all the bidders shall be required to sign a "Bid Security Declaration" accepting that if they withdraw or modify their Bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the NIT/ Purchase order, they shall be suspended for the period of 2 (two) years. This suspension of two years shall be automatic without conducting any enquiry. Bidders shall submit "Bid Securing Declaration" as per enclosed PROFORMA - 1 along with their Technical bids.

4.0 Bidder to categorically confirm under which policy i.e. PP-LC or MSME or DPIIT-MII, 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. No benefit will be given if the bid is submitted without any above declaration along with supporting document as per the respective policies.

5.0 OIL's Reference No. PR = 1423368.

6.0 Bidders shall submit their offer mentioning pointwise compliance / non-compliance 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.

7.0 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 (1H) 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 ... 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 (1H) of Income tax Act, 1961.

8.0 PERFORMANCE SECURITY

Unless otherwise specified, the Seller shall furnish Performance Security to Purchaser in the form of a Bank Guarantee/Letter of Credit/ Demand Draft within 30 days of notification of purchase order/contract for the value and validity as per terms of Purchase order/contract. Performance Security shall be strictly as per the format prescribed vide PROFORMA-3 to this document.

8.1 Performance Security shall be issued from any scheduled Indian Bank or any branch of an International Bank situated in India and registered with the Reserve Bank of India as scheduled foreign Bank in case of domestic suppliers.

8.2 Bank Guarantee issued by a scheduled Bank in India at the request of some other non-scheduled Bank in India shall not be accepted.

8.3 Purchaser reserves the right to cancel the order and forfeit the corresponding Bid Security, in case of failure on the part of Seller to submit Performance Security as above.

8.4 The amount of Performance Security and the date of expiry of the Performance Security shall be as specified in the LOA/Purchase Order. Unless specified otherwise, the amount of Performance Security in case of Procurement of Goods shall be 3% of order value (excluding taxes & duties).

8.5 Bank Guarantees issued by a Bank in India should be on non-judicial Stamp Paper/Frinking receipt of requisite value, as per Indian Stamp Act, purchased in the name of the Banker or the Seller.

8.6 Bank Guarantee/Letter of Credit with condition other than those mentioned in OIL's prescribed format shall not be accepted.

8.7 The Bank Guarantee issued by a Bank amongst others shall contain the complete address of the Bank including Phone Nos., Fax Nos., E-mail address, Code Nos. of the authorized signatory with full name and designation and Branch Code.

8.8 The Performance Security shall be payable to Purchaser as compensation for any breach or loss resulting from Supplier's failure to fulfil its obligations under the Purchase Order/Contract. In the event of such default on the part of Seller, the Performance Security shall be encashed unconditionally and the proceeds thereof shall be forfeited without any further reference to the Seller. In such an eventuality, the Seller shall be liable to face penal actions including debarment as per OIL's Banning Policy, 2017.

8.9 The Performance Security specified above must be valid for three (3) months beyond the Warranty Period (if any) indicated in the Purchase Order/Contract agreement. The Performance Security shall be discharged by Purchaser not later than 30 days following its expiry after completion of obligations under the order/contract. In the event of any extension to the contractual validity or delay in supply/ execution or extension of Warranty Period of the Purchase Order/Contract, validity of the Performance Security shall be extended by the Seller/Contractor by the equivalent period.

8.10 The Performance Security shall not accrue any interest during its period of validity or extended validity. OIL shall not be liable to pay any bank charges, commission or interest on the amount of Performance Security.

8.11 Failure of the successful Bidder to comply with the requirements of above clauses shall constitute sufficient grounds for annulment of the award and forfeiture of their Bid Security or Performance Security. The defaulting party shall also be debarred from business as per OIL's Banning Policy, 2017

8.12 In case, the Performance Security in the form of a Bank Guarantee/ Letter of Credit is found to be not genuine or issued by a fake banker or issued under the fake signatures, the LOI/Purchase Order issued/placed on the bidder shall be treated as cancelled forthwith and the bidder shall be banned from participating in future tenders in accordance with the provisions of Company's Banning Policy, 2017. Further, the Bid Security submitted by such bidder shall be invoked without any further reference, besides other penal action, as the Company may think appropriate.

8.13 In case of Bank Guarantee, 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. 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.

8.14 In case of online payment, refund will be made in [INR] using the exchange rate prevailing as on the date of actual receipt of Performance Bank Guarantee

amount. The refund amount shall not (in any case) exceed the amount actually received.

9.0 Unloading For all other bulky items to be floated in GeM:

All the Goods in the GeM shall be offered on Free Delivery at Site basis including unloading. HOWEVER, OIL SHALL PROVIDE CRANE FOR UNLOADING OF ITEMS ONLY. Supplier shall depute adequate crew, who has experience of unloading of items at Destination (Duliajan) with necessary safety gears i.e. helmet, safety boots, hand gloves etc. at unloading point.

The safety of the crew deputed by the supplier shall entirely be the responsibility of supplier and therefore they shall take all necessary measures/precautions to ensure that no injuries occur to personnel or property. Supplier must ensure that the crew involved for unloading are properly trained on the procedures and aware of the potential hazards while handling the items.

PROFORMA - 1**BID SECURITY DECLARATION**

To,

M/s. Oil India Limited

.....,

.....

Sub:

Tender No:.....

Dear Sir,

After examining/reviewing provisions of above referred tender documents (including all corrigendum/ Addenda), we M/s. (Name of Bidder) have submitted our offer/bid no.....

We, M/s.(Name of Bidder) hereby understand that, according to your conditions, we are submitting this Declaration for Bid Security.

We understand that we will be put on watch list/holiday/banning list (as per policies of OIL INDIA in this regard), if we are in breach of our obligation(s) as per following:

(a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or

(b) having been notified of the acceptance of our Bid by the OIL INDIALIMITED during the period of bid validity:

(i) fail or refuse to execute the Contract, if required, or

(ii) fail or refuse to furnish the Contract Performance Security, in accordance provisions of tender document.

(iii) Fail or refuse to accept 'arithmetical corrections' as per provision of tender document.

(c) having indulged in corrupt/fraudulent/collusive/coercive practice as per procedure.

Place:

Date:

[Signature of Authorized Signatory of Bidder]

Name:

Designation:

Seal:

PROFORMA – 3

PERFORMANCE SECURITY FORM

To:

**M/s. OIL INDIA LIMITED,
MATERIALS DEPARTMENT**

WHEREAS _____ (Name and address of Contractor) (hereinafter called "Contractor") had undertaken, in pursuance of Contract No. _____ to execute (Name of Contract and Brief Description of the Work) _____ (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee as security for compliance with Contractor's obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee; NOW THEREFORE we hereby affirm that we are Guarantors on behalf of the Contractor, up to a total of (Amount of Guarantee in figures) _____ (in words _____), such amount being payable in the types and proportions of currencies in which the Contract price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of guarantee sum as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein. We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or the work to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way cease us from any liability under this guarantee, and we hereby waive notice of such change, addition or modification.

This guarantee is valid until the -----day of -----

The details of the Issuing Bank and Controlling Bank are as under:

A. Issuing Bank:

BANK FAX NO:
BANK EMAIL ID:
BANK TELEPHONE NO.:
IFSC CODE OF THE BANK:

B. Controlling Office:

Address of the Controlling Office of the BG issuing Bank:
Name of the Contact Person at the Controlling Office with Mobile No.
and e-mail address:

SIGNATURE AND SEAL OF THE GUARANTORS _____

Designation: _____

Name of Bank: _____

Address: _____

Witness: _____

Address: _____

Date: _____

Place: _____

Note:

The Bank Guarantee issuing bank branch must ensure the following:

(a) The Bank Guarantee issued by the bank must be routed through SFMS platform as per the 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 indicating the Purchase Order No.....shall be sent through SFMS by the BG issuing bank branch to STATE BANK OF INDIA, Duliajan Branch, IFS Code – SBIN0002053, Branch address – STATE BANK OF INDIA, Duliajan Branch, Duliajan, District Dibrugarh, PIN – 786602.

MICR Code 786002302; SWIFT Code SBININBB479

(b) Bank Guarantee issued by a Scheduled Bank in India at the request of some other Non-Scheduled Bank of India shall not be acceptable.

PROFORMA – 6

FORMAT FOR CERTIFICATE OF COMPLIANCE OF FINANCIAL CRITERIA

Ref: Clause No. B - Financial Criteria of the BEC

Tender No.: _____

**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: 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 - 7

CERTIFICATE OF ANNUAL TURNOVER & NET WORTH

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

TO WHOM IT MAY CONCERN

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

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

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

Place:

Date:

Seal

Membership No:

Registration Code:

Signature

NOTE: As per the guidelines of ICAI, every practicing CA is required to mention Unique Document Identification Number (UDIN) against each certification work done by them. Documents certified by CA without UDIN shall not be acceptable.

PROFORMA – 8

PARENT/ ULTIM ATE 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 atherein 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.

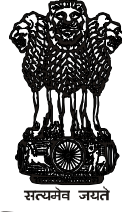
WHEREAS M/s. Oil India Limited (hereinafter referred to as OIL) has invited offers vide their Tender No..... for.....and M/s.....(Bidder) intends to bid against the said tender and desires to have Financial support of M/s..... [Parent / Ultimate Parent/Holding Company(Delete whichever not applicable)] 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.

<p>for and on behalf of</p> <p>(Parent/Ultimate Parent/ Holding Company) (Delete whichever not applicable)</p> <p>Witness:</p> <p>1.</p> <p>2.</p>	<p>for and on behalf of</p> <p>(Bidder)</p> <p>Witness:</p> <p>1.</p> <p>2.</p>
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भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (i)

PART II—Section 3—Sub-section (i)

प्राधिकार से प्रकाशित

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NEW DELHI, THURSDAY, NOVEMBER 2, 2017/KARTIKA 11, 1939

श्रम एवं रोजगार मंत्रालय

(खान सुरक्षा महानिदेशालय)

अधिसूचना

नई दिल्ली, 18 अक्तूबर, 2017

सा.का.नि. 1359(अ).— तेल खान विनियम, 2017 के विनियम 107 के उप-विनियम (2) के अधीन प्रदत्त शक्तियों का प्रयोग करते हुए, मैं प्रशान्त कुमार सरकार, मुख्य खान निरीक्षक जो खान सुरक्षा महानिदेशक के रूप में भी पदनामित हूँ, एतद्वारा तेल खानों के जोन-1 या जोन-2 जोखिममय क्षेत्रों में उपयोग किये जाने वाले विद्युत साधित्र, उपस्कर, मशीनरी या अन्य सामग्रियों के लिए निम्नलिखित मानकों को सामान्य आदेश के द्वारा अधिसूचित करता हूँ।

क्र. सं.	भारतीय मानक शीर्षक	भारतीय मानक	आईईसी मानक	समतुल्य मानक
1	वायुमंडल में विस्फोटक गैस के लिए विद्युत उपकरण – सामान्य आवश्यकता	आईएस/आईईसी 60079-0:2011 आईएस/आईईसी 60079-0:2007	आईईसी 60079-0:2011	ईएन 60079-0:2011
2	वायुमंडल में विस्फोटक गैस के लिए विद्युत उपकरण –ऊष्मारोधी आवरण “डी”	आईएस/आईईसी 60079-1:2007	आईईसी 60079-1:2007	ईएन 60079-1:2007
3	वायुमंडल में विस्फोटक गैस के लिए विद्युत उपकरण –दबावनुकूलित आवरण “पी”	आईएस/आईईसी 60079-2:2007	आईईसी 60079-2:2007	ईएन 60079-2:2007
4	वायुमंडल में विस्फोटक गैस के लिए विद्युत उपकरण – पाउडर भरने “क्यू”	आईएस/आईईसी 60079-5:2007	आईईसी 60079-5:2007	ईएन 60079-5:2007

क्र. सं.	भारतीय मानक शीर्षक	भारतीय मानक	आईईसी मानक	समतुल्य मानक
5	वायुमंडल में विस्फोटक गैस के लिए विद्युत उपकरण –तेल विसर्जन “ओ”	आईएस/आईईसी 60079-6:2007	आईईसी 60079-6:2007	ईएन 60079-6:2007
6	वायुमंडल में विस्फोटक गैस के लिए विद्युत उपकरण –सुरक्षा में वृद्धि “ई”	आईएस/आईईसी 60079-7:2006	आईईसी 60079-7:2006	ईएन 60079-7:2007
7	वायुमंडल में विस्फोटक गैस के लिए विद्युत उपकरण – आंतरिक सुरक्षा “आई”	आईएस/आईईसी 60079-11:2006	आईईसी 60079-11:2011	ईएन 60079-11:2012
8	वायुमंडल में विस्फोटक गैस के लिए विद्युत उपकरण –सुरक्षा के प्रकार “एन”	आईएस/आईईसी 60079-15:2010	आईईसी 60079-15:2010	ईएन 60079-15:2010
9	वायुमंडल में विस्फोटक गैस के लिए विद्युत उपकरण –संपुटीकरण “एम”	आईएस/आईईसी 60079-18:2009	आईईसी 60079-18:2009	ईएन 60079-18:2009
10	वायुमंडल में विस्फोटक गैस के लिए विद्युत उपकरण – आंतरिक रूप से सुरक्षित विद्युत प्रणालियाँ	आईएस/आईईसी 60079-25:2010	आईईसी 60079-25:2010	ईएन 60079-25:2010
11	विस्फोटक वायुमंडल – उपकरण संरक्षण स्तर (ईपीएल) के साथ उपकरण	आईएस/आईईसी 60079-26:2006	आईईसी 60079-26:2006	ईएन 60079-26:2006
12	विस्फोटक वायुमंडल – फील्ड बस आंतरिक रूप से सुरक्षित अवधारण (एफआईसीओ)	आईएस/आईईसी 60079-27:2008	आईईसी 60079-27:2008	ईएन 60079-27:2008
13	विस्फोटक वायुमंडल – ऑप्टिकल विकिरण का उपयोग करने वाले उपकरण और ट्रांसमिशन पणाली का संरक्षण	आईएस/आईईसी 60079-28:2006	आईईसी 60079-28:2006	ईएन 60079-28:2006
14	विस्फोटक वायुमंडल – गैस डिटेक्टर-ज्वलनशील गैसों को पता लगाने के लिए खुले रास्तों में प्रदर्शन की आवश्यकता	आईएस/आईईसी 60079-29/ Sec4: 2009	आईईसी 60079-29/Sec4:2009	ईएन 60079-29-4:2007
15	विस्फोटक वायुमंडल – गैस डिटेक्टर-ज्वलनशील गैसों के लिए डिटेक्टरों के प्रदर्शन की आवश्यकता	आईएस/आईईसी 60079-29/ Sec1: 2007	आईईसी 60079-29/Sec1:2007	ईएन 60079-29-1:2007
16	विस्फोटक वायुमंडल – गैस डिटेक्टर-ज्वलनशील गैसों और ऑक्सीजन के लिए डिटेक्टरों के रखरखाव एवं उपयोग का चयन करें	आईएस/आईईसी 60079-29/ Sec2: 2007	आईईसी 60079-29/Sec2:2007	ईएन 60079-29-2:2007
17	विस्फोटक वायुमंडल – विद्युत प्रतिरोध ट्रेस ताप- सामान्य एवं परीक्षण की आवश्यकताएं	आईएस/आईईसी 60079-30/Sec-1: 2007	आईईसी 60079-30/Sec-1:2007	ईएन 60079-30-1:2007
18	विद्युत प्रतिरोध ट्रेस ताप – डिजाइन प्रस्थापना और रखरखाव के लिए प्रयुक्त निर्देशन गाइड	आईएस/आईईसी 60079-30/Sec-2: 2007	आईईसी 60079-30/Sec-2:2007	ईएन 60079-30-2:2010

मानकों का नवीनतम संस्करण तालिका में दिए गए मानकों को प्रतिस्थापित करेगा। उपरोक्त प्रासंगिक मानकों के अनुरूप परीक्षण रिपोर्ट भारत सरकार के प्रयोगशाला या एनएवीएल मान्यता प्राप्त प्रयोगशाला या आईईसीईएक्स मान्यता प्राप्त प्रयोगशाला या एटीईएक्स अधिसूचित निकाय से होगी जो निर्माता की सुविधाओं का हिस्सा नहीं है।

खानों के जोखिममय क्षेत्रों में जोन-1 एवं जोन-2 में प्रयुक्त विद्युत उपकरण, केन्द्रीय विद्युत प्राधिकरण विनियम, 2010 (सुरक्षा और विद्युत आपूर्ति से संबंधित उपाय), (समय-समय पर यथा संशोधित) के प्रावधानों का अनुपालन करेगा।

[फा. सं. एस-29020/60/राजपत्र/2017/वि.मु.]

प्रशान्त कुमार सरकार, मुख्य खान निरीक्षक

MINISTRY OF LABOUR AND EMPLOYMENT

(Directorate General of Mines Safety)

NOTIFICATION

New Delhi, the 18th October, 2017

G.S.R. 1359(E).--- In exercise of the powers conferred on me under Sub-Regulation (2) of 107 of the Oil Mines Regulations, 2017, I, Prasanta Kumar Sarkar, Chief Inspector of Mines also designated as the Director General of Mines Safety notify the following standards by general order for electrical appliance, equipment, machinery or other material that are used or may be used in zone “1” or zone “2” hazardous areas of oil mines.

Sl. No.	TITLE OF INDIAN STANDARDS	INDIAN STANDARDS	IEC STANDARDS	EQUIVALENT STANDARDS
1	Electrical apparatus for explosive gas atmospheres- General requirements	IS/IEC 60079-0: 2011 IS/IEC 60079-0: 2007	IEC 60079-0: 2011	EN 60079-0: 2011
2	Electrical apparatus for explosive gas atmospheres- flameproof enclosure “d”	IS/IEC 60079-1: 2007	IEC 60079-1: 2007	EN 60079-1: 2007
3	Electrical apparatus for explosive gas atmospheres-Pressurized enclosure “p”	IS/IEC 60079-2: 2007	IEC 60079-2: 2007	EN 60079-2: 2007
4	Electrical apparatus for explosive gas atmospheres-Powder filling “q”	IS/IEC 60079-5: 2007	IEC 60079-5: 2007	EN 60079-5: 2007
5	Electrical apparatus for explosive gas atmospheres-Oil immersion “O”	IS/IEC 60079-6: 2007	IEC 60079-6: 2007	EN 60079-6: 2007
6	Electrical apparatus for explosive gas atmospheres-Increased safety “e”	IS/IEC 60079-7: 2006	IEC 60079-7: 2006	EN 60079-7: 2007
7	Electrical apparatus for explosive gas atmospheres-Intrinsic safety “i”	IS/IEC 60079-11: 2006	IEC 60079-11: 2011	EN60079-11: 2012
8	Electrical apparatus for explosive gas atmospheres-type of protection “n”	IS/IEC 60079-15: 2010	IEC 60079-15:2 010	EN 60079-15: 2010
9	Electrical apparatus for explosive gas atmospheres-Encapsulation “m”	IS/IEC 60079-18: 2009	IEC 60079-18: 2009	EN 60079-18: 2009
10	Electrical apparatus for explosive gas atmospheres-Intrinsically safe electrical systems	IS/IEC 60079-25: 2010	IEC 60079-25: 2010	EN 60079-25: 2010
11	Explosive atmospheres-Equipment with equipment protection level (EPL) Ga	IS/IEC 60079-26: 2006	IEC 60079-26: 2006	EN 60079-26 : 2006
12	Explosive atmospheres-Field bus intrinsically safe concept (FISCO)	IS/IEC 60079-27: 2008	IEC 60079-27: 2008	EN 60079-27: 2008

Sl. No.	TITLE OF INDIAN STANDARDS	INDIAN STANDARDS	IEC STANDARDS	EQUIVALENT STANDARDS
13	Explosive atmospheres-Protection of equipment and transmission system using optical radiation	IS/IEC 60079-28: 2006	IEC 60079-28: 2006	EN 60079-28: 2006
14	Explosive atmospheres-Gas detectors-Performance requirements of open path detectors for flammable gases	IS/IEC 60079-29/ Sec4: 2009	IEC 60079-29 / Sec4:2009	EN-60079-29-4: 2007
15	Explosive atmospheres-Gas detectors-Performance requirements of detectors for flammable gases	IS/IEC 60079-29/ Sec1: 2007	IEC 60079-29/Sec1:2007	EN-60079-29-1: 2007
16	Explosive atmospheres-Gas detectors-Selection use and maintenance of detectors for flammable gases and oxygen	IS/IEC 60079-29/ Sec2: 2007	IEC 60079-29 / Sec2:2007	EN-60079-29-2: 2007
17	Explosive atmospheres-Electrical resistance Trace Heating- General and testing requirements	IS/IEC 60079-30 /Sec-1: 2007	IEC 60079-30 /Sec-1:2007	EN-60079-30-1: 2007
18	Electrical resistance Trace Heating-Application guide for design installation and maintenance	IS/IEC 60079-30 /Sec-2: 2007	IEC 60079-30 /Sec-2:2007	EN-60079-30-2: 2010

The latest version of standards shall prevail over the standards given in the table. Test reports conforming to the above relevant standards shall be from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facilities.

The use of electrical apparatus either in Zone-“1” or Zone-“2” hazardous area of the mines shall comply with the provisions of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 (as amended from time to time).

[F. No. S-29020/60/Gazette/2017/EHQ]

PRASANTA KUMAR SARKAR, Chief Inspector of Mines

अधिसूचना

नई दिल्ली, 18 अक्टूबर, 2017

सा.का.नि. 1360(अ).—तेल खान अधिनियम, 2017 के विनियम 118 के उप-विनियम (1) के अधीन प्रदत्त शक्तियों का प्रयोग करते हुए, मैं प्रशान्त कुमार सरकार, मुख्य खान निरीक्षक जो खान सुरक्षा महानिदेशक के रूप में भी पदनामित हूँ, एतद्द्वारा तेल खानों के जोखिममय क्षेत्रों में प्रयुक्त किये जाने वाले वैद्युत प्रकाश साधित्र के लिए निम्नलिखित मानकों को सामान्य आदेश के द्वारा अधिसूचित करता हूँ।

क्र. सं.	भारतीय मानक शीर्षक	भारतीय मानक	आईईसी मानक	समतुल्य मानक
1	वायुमंडल में विस्फोटक गैस के लिए विद्युत उपकरण – सामान्य आवश्यकता	आईएस/आईईसी 60079-0:2011 आईएस/आईईसी 60079-0:2007	आईईसी 60079-0:2011	ईएन 60079-0: 2011
2	वायुमंडल में विस्फोटक गैस के लिए विद्युत उपकरण –ऊष्मारोधी आवरण “डी”	आईएस/आईईसी 60079-1:2007	आईईसी 60079-1:2007	ईएन 60079-1: 2007

क्र. सं.	भारतीय मानक शीर्षक	भारतीय मानक	आईईसी मानक	समतुल्य मानक
3	वायुमंडल में विस्फोटक गैस के लिए विद्युत उपकरण—सुरक्षा में वृद्धि “ई”	आईएस/आईईसी 60079-7:2006	आईईसी 60079-7:2006	ईएन 60079-2:2007

मानकों का नवीनतम संस्करण तालिका में दिए गए मानकों को प्रतिस्थापित करेगा। उपरोक्त प्रासंगिक मानकों के अनुरूप परीक्षण रिपोर्ट भारत सरकार के प्रयोगशाला या एनएबीएल मान्यता प्राप्त प्रयोगशाला या आईईसीईएक्स मान्यता प्राप्त प्रयोगशाला या एटीईएक्स अधिसूचित निकाय से होगी जो निर्माता की सुविधाओं का हिस्सा नहीं है।

खानों के जोखिममय क्षेत्रों में जोन-1 एवं जोन-2 में प्रयुक्त विद्युत प्रकाश उपकरण, केन्द्रीय विद्युत प्राधिकरण विनियम, 2010 (सुरक्षा और विद्युत आपूर्ति से संबंधित उपाय) (समय-समय पर यथा संशोधित) के प्रावधानों का अनुपालन करेगा।

[फा. सं. एस-29020/60/राजपत्र/2017/वि.मु.]

प्रशान्त कुमार सरकार, मुख्य खान निरीक्षक

NOTIFICATION

New Delhi, the 18th October, 2017

G.S.R. 1360(E).—In exercise of the powers conferred on me under Sub-Regulation (1) of 118 of the Oil Mines Regulations, 2017, I, Prasanta Kumar Sarkar, Chief Inspector of Mines also designated as the Director General of Mines Safety hereby notify the following standards by general order for Electrical lighting apparatus for use in hazardous area of oil mines.

Sl. No.	TITLE OF INDIAN STANDARDS	INDIAN STANDARDS	IEC STANDARDS	EQUIVALENT STANDARDS
1	Electrical apparatus for explosive gas atmospheres- General requirements	IS/IEC 60079-0:2011 IS/IEC 60079-0:2007	IEC 60079-0: 2011	EN 60079-0:2011
2	Electrical apparatus for explosive gas atmospheres- flameproof enclosure “d”	IS/IEC 60079-1:2007	IEC 60079-1: 2007	EN 60079-1:2007
3	Electrical apparatus for explosive gas atmospheres-Increased safety “e”	IS/IEC 60079-7:2006	IEC 60079-7: 2006	EN 60079-7:2007

The latest version of standards shall prevail over the standards given in the table. Test reports conforming to the above relevant standards shall be from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facilities.

The use of electrical lighting apparatus either in Zone-“1” or Zone-“2” hazardous area of the mines shall comply with the provisions of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 (as amended from time to time).

[F. No. S-29020/60/Gazette/2017/EHQ]

PRASANTA KUMAR SARKAR, Chief Inspector of Mines