



OIL INDIA LIMITED
(A Govt. of India Enterprise)
P.O. Duliajan – 786602, Assam

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Email: mmfd1@oilindia.in; materials@oilindia.in ; erp_mm@oilindia.in

Tender No. & Date	:	SDG 3571 P17/09 dated: 12.01.2017
Tender Fee	:	INR 30,000.00 OR USD 500.00
Bid Security Amount	:	INR 8,24,500.00 OR USD 12,100.00
Bidding Type	:	SINGLE STAGE TWO BID SYSTEM
Period of Sale of Bid Documents	:	From 18.01.2017 to 01.03.2017 ; 15:30 Hrs(IST)
Bid Closing on	:	08.03.2017 (at 11.00 Hrs. IST)
Bid Opening on	:	08.03.2017 (at14.00 Hrs. IST)
Bid Validity	:	Bid Should be valid for 120 days from bid closing date.
Bid Bond Validity	:	Bid Bond Should be valid up to 07.10.2017
Performance Guarantee	:	Applicable @ 10% of Order value
Integrity Pact	:	Applicable
List of Annexures Applicable	:	Annexure- I : Specifications, General & special notes to bidders Annexure- II : Bid evaluation & Rejection Criteria Annexure- III : Check List (Technical & Commercial) Annexure-IV : Certificate of Annual Turnover & Net Worth Annexure- V : Evaluation Matrix

OIL INDIA LIMITED invites Global Tenders for items detailed as per ANNEXURE-I:

A) List of Items & Quantity:

Sl no	Item details	Quantity
10	Gas Engine	10 Nos
20	Installation & Commissioning	1 AU

B) Item Specification & Scope of Work:

SL. No.	SECTION/ SUB-SECTION	NIT DESCRIPTION
1.0	SCOPE OF SUPPLY AND WORK:	The scope of supply shall comprises of natural Gas Engine with all accessories for replacing Cummins gas engine model G743/G855 (SC)coupled to API Standard 674 Horizontal, single acting, triplex plunger pump. Besides the supply, it includes removing the existing engine from the foundation/skid and then to install and unitize the new engine with the API pump complete with extension shaft, speed reducer, couplings and any other necessary modification work required there on. The pump and engine is mounted on a common Base Plate/Skid bolted to foundation pad lying under CGI Sheet Roof Shed at the sites.
2.0	GAS ENGINE:	The gas engine should be a four stroke, multi cylinder In-Line, naturally aspirated, water cooled with closed coupled radiator stoic engine, rated for continuous power and capable of developing a Gross BHP of 157 and Peak Torque of 548 LB-FT at 1500 RPM. The maximum compression ratio of engine should not exceed 10: 1.
2.1	ENGINE SUB SYSTEM	<p>The engine shall comprise of the following sub system:</p> <p>a) <u>Cooling System:</u> The cooling system of water cooled engine should comprise of an engine mounted water pump, an industrial type heavy duty radiator suitable for operation in ambient temperature of 48 Deg C and a blower fan.</p> <p>(i) The engine jacket water cooling system should be a closed circuit design with provision for filling, expansion, and de-aeration. The cooling pump should be driven by the engine.</p> <p>(ii) Radiator, Engine Mounted: Heat rejected to the engine jacket water shall be discharged to the atmosphere through a close coupled radiator. The radiator shall be sized to cool the engine continuously while operating at full rated load and at site conditions of 48 Deg C ambient.</p> <p>(iii) Blower Fan: The radiator cooling fan shall be a blower type driven from the engine. Air shall be drawn from the engine side and exhausted</p>

		<p>through the radiator core with no more than 12.7 mm(0.5 Inch) of water external restriction in addition to core restrictions.</p> <p>(iv) Fan and Belt guarding: The fan, fan drive, and fan belts shall be covered with punched steel mesh guarding for personnel protection.</p>
		<p>b) Air Intake System: The air intake system should comprise of a heavy duty engine air cleaner mounted on the engine with a vacuum indicator and air intake manifold with dry element.</p>
		<p>c) Electric Starting System: The engine should have an electric starting system comprising of a Maintenance Free Heavy Duty Battery pack of reputed make having a minimum capacity 180 ampere hours with a alternator mounted on the engine for a battery charging and a 12 or 24 Volt starter (preferably of LUCAS TVS/DELCO REMY make), starter relay, and automatic reset circuit breaker to protect against butt engagement. Batteries shall be maintenance free, lead acid type mounted near the alternator. Batteries should be housed in a hard rubber or polypropylene case with provision for venting. Required cables should be furnished and sized to satisfy circuit requirements.</p>
		<p>d) Ignition System: The ignition system should be shielded ignition system comprising of Altronic III/V Engine driven ignition timer, Ignition Coil, High Tension and Low Tension Wiring Harness, Transformer and Spark Plugs (Preferably STITT Make)</p>
		<p>e) Exhaust System: The exhaust system should comprise of Water Cooled Exhaust Manifold, stainless steel exhaust flexible connection, residential type exhaust silencer, spark arrestor and piping connections</p>
		<p>f) Fuel System: The fuel system should comprise of hydro – mechanical governor of Woodward Make, Carburetor of IMPCO Make, main line and secondary line gas pressure regulator of VANAZ Make, gas filter and related linkages. The first stage regulator is to have an inlet pressure rating of 20 psig and outlet pressure rating of 7 psig and second stage shall have inlet pressure rating of 7 PSIG and 8 Inch WC(0.284PSIG) outlet pressure rating.</p> <p>Fuel inlet line to the engine shall be having</p>

		stainless steel flexible connection to take care of vibration/shock if any, in the system.
		<p>g) Lubricating System: The lubricating system should comprise of lubricating oil pump, lubricating oil filter with a replaceable paper element, lubricating oil cooler, lubricating oil pan and crankcase breather.</p> <p>(i) The lubricating oil pump shall be a positive displacement type that is integral with the engine and gear driven from the engine gear train. The system shall incorporate full flow filtration with bypass valve to continue lubrication in the event of filter clogging.</p> <p>(ii) The bypass valve must be integral with the engine filter base of receptacle.</p>
		<p>h) Instrument Panel: The engine mounted instrument panel shall consist of a shock-mounted formed and welded enclosure. Provide Metric marked gauges as above.</p> <p>The instrument panel should include the following:</p> <ol style="list-style-type: none"> Lubricating Oil pressure gauge Lubricating oil temperature gauge Water temperature gauge Starting Switch Ignition Switch Mechanical/Digital tachometer and hour meter
		<p>i) Engine Safety Controls: Engine mounted safety shut off/trip system for tripping the engine in the event of</p> <ol style="list-style-type: none"> Low lubricating oil Pressure High cooling water temperature Engine over speed
		<p>j) Other Features:</p> <ol style="list-style-type: none"> AVM Pad. Flywheel, Flywheel Housing with Ring Gear, Pilot Bearing Housing in Flywheel lifting eyes guards over belt drives (blower fan, water pump drive pulley, timing pulley) standard painting suitable hand throttle control mechanical hour meter SAE standard rotation.
		<p>k) Gas shut off valve for engine fuel gas line should close automatically when the engine is stopped.</p> <p>N.B: Provision of guards over belt drives and couplings has become mandatory as per recommendation of OISD (Oil Industry Safety Directorate) & DGMS (Director General of Mines & Safety)</p>

2.2	GENERAL NOTES ON ENGINE:	<p>a) The engine shall conform to ISO :3046 specifications and shall be rated for continuous power with an over load power rating of 110% of the continuous power corresponding to engine application for a period of 1 hr within a period of 12 hrs operation.</p> <p>b) The engine governing should be in accordance with Class A Governing specified in BS: 3109: 1985 (or latest)</p> <p>c) The bidder should submit the following information along with relevant performance rating Curves and engine product catalogue:</p> <ul style="list-style-type: none">i) Gross HP developed at rated RPMii) Deduction for fan and other ancillary equipment.iii) Net HP developed at rated RPMiv) Specific fuel consumption at rated power as well as at 110%, 75%, 50% and 25% of rated load <p>d) A suitable selected flexible clutch (GhatgePatil/Twin Disc: SP214) should be incorporated to transfer power from the engine to rod pump.</p> <p>e) The engine set should be suitable for operation at the following site condition:</p> <p style="margin-left: 40px;">Maximum Temperature : 48 DEG C Minimum Temperature : 05 DEG C Maximum Humidity at 21 DEG C : 100 % at 35 DEG C : 95 % at 41 DEG C : 70 % Maximum Altitude above sea level : 150 Meter</p> <p>f) Composition of Fuel Gas: The engine should be capable of developing required BHP and the composition of gas by volume available at site will be nearest to as under: ---</p> <table style="width: 100%; border-collapse: collapse;"><tr><td>Methane</td><td style="text-align: right;">:</td><td style="text-align: right;">85</td><td style="text-align: center;">--</td><td style="text-align: right;">94 %</td></tr><tr><td>Ethane</td><td style="text-align: right;">:</td><td style="text-align: right;">3.94</td><td style="text-align: center;">--</td><td style="text-align: right;">4.36 %</td></tr><tr><td>Propane</td><td style="text-align: right;">:</td><td style="text-align: right;">2.21</td><td style="text-align: center;">--</td><td style="text-align: right;">2.44 %</td></tr><tr><td>i # Butane</td><td style="text-align: right;">:</td><td style="text-align: right;">0.46</td><td style="text-align: center;">--</td><td style="text-align: right;">0.52 %</td></tr><tr><td>n # Butane</td><td style="text-align: right;">:</td><td style="text-align: right;">0.69</td><td style="text-align: center;">--</td><td style="text-align: right;">0.77 %</td></tr><tr><td>i # Pentane</td><td style="text-align: right;">:</td><td style="text-align: right;">0.23</td><td style="text-align: center;">--</td><td style="text-align: right;">0.26 %</td></tr><tr><td>n # Pentane</td><td style="text-align: right;">:</td><td style="text-align: right;">0.16</td><td style="text-align: center;">--</td><td style="text-align: right;">0.18 %</td></tr><tr><td>Hexane +</td><td style="text-align: right;">:</td><td style="text-align: right;">0.54</td><td style="text-align: center;">--</td><td style="text-align: right;">0.59 %</td></tr><tr><td>Nitrogen</td><td style="text-align: right;">:</td><td style="text-align: right;">1.08</td><td style="text-align: center;">--</td><td style="text-align: right;">1.19 %</td></tr><tr><td>CO?</td><td style="text-align: right;">:</td><td style="text-align: right;">0.46</td><td style="text-align: center;">--</td><td style="text-align: right;">0.51 %</td></tr><tr><td>Gas Gravity</td><td style="text-align: right;">:</td><td style="text-align: right;">0.62</td><td style="text-align: center;">--</td><td style="text-align: right;">0.68 %</td></tr></table> <p>Gross calorific value : 9,562 --- 10,569 KCAL / SCUM. Net calorific value : 8,646 --- 9,556 KCAL / SCUM.</p> <p>g) The fuel gas system shall consist of a minimum of following components but shall not be limited to these:</p> <ul style="list-style-type: none">i. Main line pressure regulator.ii. Pressure relief safety valve.iii. Gas fuel filter.	Methane	:	85	--	94 %	Ethane	:	3.94	--	4.36 %	Propane	:	2.21	--	2.44 %	i # Butane	:	0.46	--	0.52 %	n # Butane	:	0.69	--	0.77 %	i # Pentane	:	0.23	--	0.26 %	n # Pentane	:	0.16	--	0.18 %	Hexane +	:	0.54	--	0.59 %	Nitrogen	:	1.08	--	1.19 %	CO?	:	0.46	--	0.51 %	Gas Gravity	:	0.62	--	0.68 %
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		<p>iv. Interconnecting gas piping from main line pressure regulator to engine.</p> <p>The gas conditioning & piping should be carried out in such a way as to prevent condensate carry over to engine.</p>
3.0	PAINTING:	As per manufacturer's standard
4.0	CLUTCH:	SP214 clutch Assembly (GATGE PATIL/TWIN DISC make) to be provided along with the engine to transfer power from offered engine to the pump to be unitized.
5.0	SPARE PARTS:	<p>a. Spares for two years normal operation of the engine should be included in the offer.</p> <p>i. SPARK PLUG : 1 SET PER ENGINE ii. IGNITION TRANSFORMER: 1 SET PER ENGINE iii. LUB OIL FILTER ELEMENT: 6 NOS PER ENGINE iv. SET OF VEE BELTS : 2 SETS PER ENGINE v . AIR FILTER ELEMENT : 4 NOS PER ENGINE vi. SET OF GASKETS: 1 SET PER ENGINE</p> <p>b. Bidders shall have to provide the unit price, along with the part numbers of the following insurance spares. The cost of these spares shall however not be considered during commercial evaluation of the offer.</p> <p>i. CYLINDER HEAD INCLUDING HEAD GASKET ii. CYLINDER LINER iii. PISTON ASSEMBLY INCLUDING PISTON RINGS iv. BIG END BEARING SET v. CRANKSHAFT vi. CAMSHAFT vii. GOVERNOR viii. CARBURETTOR ix. ALTRONIC III/V</p>
6.0	INSPECTION AND TEST:	<p>a) The plant and materials may be subjected for inspection during manufacture at the purchaser's discretion but such inspection shall not relieve the supplier of his responsibility to ensure that the equipment supplied is free from all manufacturing and other defects and conform to correct specifications. The supplier will be notified in advance, if it is intended to inspect plant or material.</p> <p>b) Pre dispatch inspection of the engine shall be carried out by us at the works of manufacture. Load testing of the engine for output and performance shall be carried out in presence of the purchaser or his representative appointed for the purpose and to his satisfaction. The supplier will provide fuel gas and arrangement for load test of the engine. All other appliances, apparatus, labor etc. necessary for the tests shall have to be provided by the supplier at his cost.</p> <p>c) The engine shall be acceptable to the purchaser only after satisfactory load test.</p>

C) Special Notes to Bidders:

- 1.0 The offer will not be acceptable if the party do not quote for all items of the tender and supply, installation, commissioning of all items.
- 2.0 In their offer the bidder must mention their detailed comments point-wise against each point of tender specifications. Any deviation from the tender specification shall be specifically mentioned. Specific type and make of equipment should be mentioned. All the information required as per tender specifications must be submitted.
- 3.0 In the event of an order the bidder will submit to OIL within one month of placement of order all documents and drawings for approval.
- 4.0 The manufacture of the equipment is to be started only after written approval of the drawings/ documents by OIL as mentioned in tender.
- 5.0 The bidder will be responsible for safety of its personnel and safety of all the equipment. All the safety gadgets required for safely carrying out the job shall be provided by the bidder.
- 6.0 Bidder will be responsible for safe custody of all the items before handing over to OIL.
- 7.0 Handing over to OIL means supply, installation and commissioning of all items as per order and submission of all the documents and drawings as per order.
- 8.0 The bidder to strictly ensure that all the cut ends of cables, packing materials, leftover items are removed from site after completion of work.
- 9.0 No environmental damage shall be done while carrying out the job.
- 10.0 All the test reports must be signed by supervisors who have carried out the installation and commissioning work as per order.

11.0 PARTS LIST, INSTRUCTION MANUAL & DRAWING:

- A. The supplier should provide one set each of the manuals and books listed below for each unit:
 - i) OPERATING INSTRUCTIONS- Operation of engine & supplied clutch.
 - ii) PARTS BOOKS- that illustrate and list all assemblies, subassemblies and components, except standard fastening hardware (nuts, bolt, washers etc.).
 - iii) PREVENTIVE MAINTENANCE INSTRUCTIONS- on the complete system that cover daily, weekly, monthly, biannual, and annual maintenance requirements and include a complete lubrication chart.
 - iv) ROUTINE TEST PROCEDURES- for all electronic and electrical circuits.
 - v) TROUBLESHOOTING CHART- covering the complete engine showing description of trouble, probable cause and suggested remedy.
 - vi) RECOMMENDED SPARE PARTS LIST- showing all consumables anticipated to be required during routine maintenance and test.

- vii) WIRING DIAGRAM AND SCHEMATICS- showing function of all electrical (in the engine) components.
 - viii) One set of drawing showing installation details of the engine, oilfield type skid, wiring diagram. The diagrams are to be sent to us before supply of order materials.
 - ix) The bidders should provide installation diagram of the set and performance data sheet along with the quotation.
 - x) The supplier should provide along with the set
 - a) Dynamic load
 - b) Static load
 - c) Any unbalanced load
- B. All manuals and books described above shall be contained in rigid plastic pouches and in digital form along with the engine.

12.0 TEST CERTIFICATES:

The supplier shall submit detailed records and certificates of the foregoing tests to the purchaser. Supplier should also certify that spark plug cables are protected and possibility of spark is completely eliminated.

13.0 PACKING:

The packing shall be sufficiently robust to withstand rough handling. Boxes/packing cases containing electrical equipment shall be water proof lined. All the matters on the control panel should be packed separately for mounting at site or mounted in such a manner to prevent transit damage.

14.0 INSTALLATION, COMMISSIONING, TESTING AND HANDING OVER:

- (a) Installation and Commissioning of the engine 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 engine.
- (b) Materials such as line pipes, fittings necessary for fabricating fuel line (to the gas train)/ water lines, supports for engine exhaust shall be provided by OIL.
- (c) Crane service that may be required during installation and commissioning of the engine will be provided by OIL.
- (d) Bidders should provide in their technical bid details of scope of installation and commissioning work and confirm the same.
- (e) Installation and commissioning work should be quoted separately which shall be considered for evaluation of the offers. These charges should include amongst others to and from fares, boarding/ lodging and other expenses of the commissioning engineers during their stay at Duliajan, Assam (India). **In case if charges are not quoted, it will be construed that installation & commissioning shall be done by your at free of cost.**
- (f) 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. .

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

15.0 Payment terms: 80% payment will be made against supply of materials and balance 20% after satisfactory installation & commissioning at site along with the installation & commissioning charges. Bidders must confirm the same while quoting.

16.0 AFTER SALES SERVICE:

The nature of after sales service, which can be provided by the supplier, during initial erection and commissioning as well as also subsequent operation should be clearly stated in the quotation.

17.0 SERVICE AND WARRANTY:

- (i) The manufacturer shall have a local authorized dealer who can provide factory trained servicemen, the required stock of replacement parts, technical assistance, and warranty administration.
- (ii) The manufacturer's authorized dealer shall have a parts and service facility within 300 km of the jobsite.
- (iii) The engine supplier shall have factory trained service representatives and tooling necessary to install and commission all provided equipment.

The warranty period for the engine and accessories should be a minimum of 18 months from the date of dispatch/ shipment or 12 months from the date of commissioning of the equipment whichever is earlier. Any defects in the engine during warranty period shall be replaced by the supplier at his cost without any extra charge to OIL

18.0 The items shall be brand new, unused & of prime quality. The manufacturer 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 18 months from date of shipment or 12 months from date of commissioning of the items whichever is earlier. The defective materials, if any, rejected by OIL shall be replaced by the supplier at their own expense. Bidders must confirm the same in their quotations.

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

20.0 Bidder to sign and submit completely filled up Technical & Commercial check list and Technical Evaluation Matrix for Bid evaluation criteria and Technical specification failing which their offer will be rejected.

21.0 The items covered by this enquiry shall be used by Oil India Limited in the PEL/ML areas which are issued/renewed after 01/04/99 and hence Nil Customs Duty 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/E-01/2005 attached. However, Indian bidders will not be issued Recommendatory Letter.

In the event of an order on indigenous bidder under deemed export scheme, OIL will issue Project Authority Certificate (PAC) and arrange for DGH Certificate as may be appropriate/applicable. Supplier shall effect dispatch only on receipt of these certificates from OIL, failing which all related liabilities shall be to Supplier's account.

- 22.0 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 are as under:

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

SHRI SATYANANDA MISHRA, IAS(Retd.)
Former Chief Information Commissioner &
Ex-Secretary, DOPT, Govt. of India
E-mail Id : satyanandamishra@hotmail.com

D) GENERAL NOTES TO BIDDERS:

- 1.0 Against Tender Fee – Payment should be made only through online mode and no other instrument (Cash/DD/Cheques/Cashier Cheque, etc) will be acceptable.
- 2.0 Against Bid Security/EMD/Performance Bank Guarantee – Only payments through online mode or Submission of Bank Guarantee/LC will be acceptable. No DD/Cheques/Cashier Cheque or any other mode will be acceptable.
- 3.0 The tender will be governed by “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) including Amendments & Addendum to “General Terms & Conditions” for e-Procurement.
- 4.0 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.**
- 5.0 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.

- 6.0 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"
- 7.0 PRICED BIDS OF ONLY THOSE BIDDERS WILL BE OPENED WHOSE OFFERS ARE FOUND TO BE TECHNO-COMMERCIALLY ACCEPTABLE.
- 8.0 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.
- 9.0 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.
- 10.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by OIL, failing which the offer will be summarily rejected.
- 11.0 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.
- 12.0 Bidders to note that Govt. of India under Micro, Small and Medium Enterprises Development (MSMED) Act 2006, has proclaimed the Public Procurement Policy, 2012 with effect from 1st April, 2012 in respect of procurement of goods and services, produced and provided by micro and small enterprises, by its Ministries, Departments and Public Sector Undertakings for promotion and development of Micro and Small Enterprises. A new Clause on applicability of Public Procurement Policy for procurement of goods from Micro and Small Enterprises (MSE) in the tender is furnished vide Amendment to General Terms and Conditions for Global Tender (MM/GLOBAL/E-01/2005). Bidders are requested to take note of the same and to submit their offers accordingly.

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

The bids shall conform to the specifications and terms as well conditions laid out in the tender. Bids will be rejected in case the items offered do not conform to the 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 & conditions, particularly the following requirements will have to be met by the bidders, without which, the offer will be considered as non-responsive and shall be rejected.

A) BID REJECTION CRITERIA :**A.1 TECHNICAL:**

- i) The engine shall be four-stroke, naturally aspirated stoic and In-Line natural gas engine, developing not less than 157 BHP(gross) and peak torque 548 LB-FT at 1500RPM, compression ratio not exceeding 10:1 and counter clockwise rotation when viewed from Flywheel End, designed in accordance with ISO 3046 Standard conditions.
- ii) The engine (Make/Type/Model) to be offered in this tender must be proven in pumping application and must be running in field elsewhere. The height of crankshaft centerline of the engine should be nearest to 365 MM with tolerance of positive 0MM and negative 5MM from the foot mounting and total length(from tip of fan to front face of flywheel) of engine should not be more than 1609 MM.

Note: Bidder should furnish certificate from the OEM declaring BHP(gross) and peak torque at 1500RPM and compression ratio of the engine.

- iii) Bidder must be an Original Equipment Manufacturer (OEM) of engine or its authorized dealer and the OEM must have manufactured /supplied natural gas engine for / to organizations namely PSUs (State/Central Government of India) or State/Central Govt. Deptt. of India or any other Public Limited Company during the last 7(seven) years preceding the bid closing date of this tender. One of the past supply orders should be for at least one natural gas engine for pumping application.

Note:

- (a) Bidder must furnish documentary evidences like copy of purchase order, invoice etc. of past supplies made indicating in it to whom the supplies were made.
 - (b) Bidder must furnish OEM certificate/authorized dealership certificate as the case may be.
- iv) The OEM of the quoted engine must have authorized service center in India providing service for at least previous 5 (Five) years. In this regard the bidder must provide State Govt. registration certificate of the service center with their technical offer.
- v) In the event of order, all items shall be warranted for a period of 12 or 18 months from delivery date or the installation and commissioning date whichever is earlier and undertaking from OEM confirming that the engine to be supplied are not going to become obsolete for the next 10 years and provisioning of spares will be continued.

- vi) Time for completion of supply, Installation & commissioning:
 - (a) Delivery Period after placement of Purchase order: Delivery of all items under the scope of the order must be completed within 9(nine) months from date of firm placement of order. Bidder shall furnish, along with their technical bid, undertaking to complete delivery as specified in this clause, in the event of placement of order on it.
 - (b) The installation and commissioning work of the order that are with the scope of the supplier must be completed within 3(three) months from date of delivery. Bidder shall furnish, along with their technical bid, undertaking to complete the installation and commissioning work as specified in this clause, in the event of placement of order on it

A.2 FINANCIAL CRITERIA:

- 1.0 **Annual Turnover:** The bidder shall have an annual financial turnover of minimum US\$ 3,07,485.00 or Rs 206.02 Lakhs(Being 50% of tender value) during any of the preceding 03 (three) financial years reckoned from the original bid closing date of the tender.
- 2.0 "Net Worth" of the bidder should be positive for the financial/accounting year just preceding to the bid closing date.
- 3.0 Considering the time required for preparation of Financial Statements, if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial / accounting year are not available with the bidder, then the financial turnover of the previous three financial / accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that 'the balance sheet/Financial Statements for the financial year 2016 (As the case may be) has actually not been audited so far'.

Note:

- a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid:-

- i) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in ANNEXURE IV.

OR

- ii) Audited Balance Sheet along with Profit & Loss account. In case of Foreign bidders, self-attested/digitally signed printed published accounts are also acceptable

- b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.

- 4.0 In case the Audited Balance Sheet and Profit & Loss Account submitted along with the bid are in currencies other than INR or US\$, the bidder shall have to convert the figures in equivalent INR or US\$ considering the prevailing conversion

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

A.3 COMMERCIAL

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

- 1.0 Bids are invited under **Single Stage Two Bid System**. Bidders shall quote accordingly under Single Stage Two Bid System. **Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid.** The “Unpriced Bid” shall contain all techno-commercial details except the prices, which shall be kept blank. The “Price Bid” must contain the price schedule and the bidder’s commercial terms and conditions.
Bidder not complying with above submission procedure will be rejected.
- 2.0 **Bid security of INR 8,24,500.00 or US\$ 12,100.00** shall be furnished as a part of the TECHNICAL BID. **Any bid not accompanied by a proper bid security in ORIGINAL will be rejected without any further consideration.** A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and/or if the Bid Security validity is shorter than the validity indicated in Tender and/or if the Bid Security amount is lesser than the amount indicated in the Tender.
- 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 Bank Guarantee towards Bid Security shall remain valid upto 07.10.2017.
- 3.0 Validity of the bid shall be minimum 120 days from the date of Bid Closing Date. Bids with lesser validity will be straightway rejected.
- 4.0 Bidders must confirm that Goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of 18 months from the date of shipment/dispatch or twelve (12) months from the date of receipt of the items at destination, whichever is earlier 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.
- 5.0 Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Bank Guarantee must be valid for a period of 18 months from the date of shipment/dispatch or twelve (12) months from the date of receipt of the items at destination, whichever is earlier. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.
- 6.0 Offers should be submitted with Integrity Pact duly signed by the authorized signatory of the bidder. If any bidder refuses to sign Integrity Pact or declined to submit Integrity Pact with the offer, their bid shall be rejected straightway.
- 7.0 Bidders are required to submit the summary of the prices in their price bids as per bid format (Summary), given below.

(A) Total Material Value along with spare parts and consumables (with price break up):

- (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) **Installation/Commissioning/Testing Charges (if any) including service tax:**
- (H) **Total Value,(F + G) :**
- (I) **Total Value in words :**
- (J) **Gross Weight :**
- (K) **Gross Volume :**

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

- (A) **Total Material Value along with spare parts and consumables (with price break up):**
- (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) **Installation/Commissioning/Testing Charges (if any) including service tax:**
- (K) **Total value, (I+J) above :**
- (L) **Total Value in words :**
- (M) **Gross Weight :**
- (N) **Gross Volume :**
- (O) **Import Content, if any :**

Note: 1) The items covered under this enquiry shall be used by OIL in the PEL/ML areas issued/renewed after 01/04/99 and hence, applicable Customs Duty for import of goods shall be ZERO. Indigenous bidders must quote Deemed Export prices. Excise Duty under Deemed Export is exempted.

- 8.0 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.
- 9.0 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.
- 10.0 Bids containing incorrect statement will be rejected.
- 11.0 Bidder shall accept and comply with the following clauses as given in the Bid Document, failing which bid shall be liable for rejection:
 - i) Liquidated Damages
 - ii) Warranty/Guarantee of material
 - iii) Arbitration / Resolution of Dispute
 - iv) Force Majeure
 - v) Applicable Laws

B. BID EVALUATION CRITERIA

The bids conforming to the specifications, terms and conditions stipulated in the enquiry and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per General Terms and Conditions for Global Tender and the Bid Evaluation Criteria given below:

B.1 COMMERCIAL

- 1.0 The evaluation of bids will be done as per the Commercial Bid Format (SUMMARY) detailed vide Para 7.0 of BRC Commercial.
- 2.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.
- 3.0 For conversion of foreign currency into Indian currency, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of price bid opening shall be considered. However, if the time lag between the opening of the bids and final decision exceed 3(three) months, then B.C. Selling(Market) rate of exchange declared by SBI on the date prior to the date of final decision shall be adopted for conversion and evaluation.
- 4.0 To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections / adjustments given herein.
- 4.1 When only foreign bidders are involved:
Comparison of bids will be done on the basis of "TOTAL VALUE" which is estimated as under:

- (A) Total material cost **along with spare parts and consumables**
- (B) Packing & FOB Charges
- (C) Total FOB Port of Shipment value, (A+B) above
- (D) Ocean Freight Charges upto Kolkata, India
- (E) Insurance Charges @ 1% of Total FOB Value vide (C) above
- (F) Banking Charges @ 0.5% of Total FOB Value vide (C) above in case of payment through Letter of Credit (If confirmed L/C at buyer's account is required, 1.5% of Total FOB Value will be loaded)
- (G) Total CIF Kolkata Value, (C+D+E+F) above
- (H) Total Installation & Commissioning charges including service tax
- (I) Total Value, (G+H) above
- (J) Total value in words :

NOTE: Banking charge in the country of the foreign bidder shall be borne by the bidder.

- 4.2 When only domestic bidders are involved or when more than one domestic bidders are in contention in case of mixed response:

Comparison of bids will be done on the basis of "TOTAL VALUE" which is estimated as under:

- (A) Total material cost **along with spare parts and consumables**
- (B) Packing and Forwarding Charges

- (C) Total Ex-works value, (A + B) above
- (D) Excise Duty including Cess, (Please indicate applicable rate of Duty & Cess)
- (E) Sales Tax, (Please indicate applicable rate of Tax)
- (F) Total FOR Despatching station price, (C + D + E) above
- (G) Road Transportation charges to Duliajan
- (H) Insurance Charges @0.5% of Total FOR Despatching Station Value
(F) above
- (I) Total FOR Duliajan value, (F+G+H)
- (J) Assam Entry tax
- (K) Total Installation & Commissioning charges including service tax
- (L) Total Value, (I+J+K) above
- (M) Total value in words :

NOTE: Excise Duty in case of the indigenous bidder is EXEMPTED under Deemed Export.

4.3 When both foreign and domestic bidders are involved:

The Total Value of domestic bidder (inclusive of customs duty on imported raw material and components etc. and applicable terminal excise duty on the finished products and Sales Tax) excluding inland transportation to destination, Assam Entry Tax and Insurance charges worked out as per Para 4.2 above and Total Value of the foreign bidder worked out as per Para 4.1 above will be compared. No price preference will be allowed to indigenous bidders except that for capital goods, the domestic manufacturers would be accorded a price preference to offset CST to the extent of 4 % or actuals, whichever is less subject to 30 % local content norms as stipulated for World Bank Funded project to the satisfaction of OIL. When more than one domestic bidders fall within price preference range, inter-se-ranking will be done on Total Value basis.

Note: If the Government of India revises these evaluation criteria the same as applicable on the bid closing date will be adopted for evaluation of the offers.

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

CHECK LIST

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

A. TECHNICAL

Sl. No	DESCRIPTIONS	REMARKS
1	Whether quoted as OEM of Engine and whether documentary evidence submitted?	YES / NO
2	Whether quoted as Authorized Dealer of OEM (Engine) and whether documentary evidences submitted ?	YES / NO
3	Whether separately highlighted any deviation from the technical specification?	YES / NO
4	Whether spare parts for 2 years operation shall be supplied?	YES / NO
5	Whether offered engine is as per NIT ?	YES / NO
6	Whether the engine will fit into the existing skid without modification/cutting and welding involvement?	YES / NO
7	Whether quoted for supply, installation, commissioning at Site	YES / NO

B. COMMERCIAL

Sl#	REQUIREMENT	COMPLIANCE
1.0	Whether bid submitted under Single Stage Two Bid System?	Yes / No
2.0	Whether quoted as manufacturer?	Yes / No
2.1	Whether quoted as OEM Dealer / Supply House. To Specify-	Yes / No
2.2	If quoted as OEM Dealer / Supply House	Yes / No
	(a) Whether submitted valid and proper authorization letter from manufacturer confirming that bidder is their authorized Dealer / supply House for the product offered ?	
	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	
3.0	Whether ORIGINAL Bid Bond (not copy of Bid Bond) as per Revised Format(Annexure VII Revised) Sent separately? If YES, provide details	Yes / No
	(a) Amount :	
	(b) Name of issuing Bank :	
	(c) Validity of Bid Bond :	
4.0	Whether offered firm prices ?	Yes / No
4.1	Whether quoted offer validity of 120 days from the bid closing	Yes / No

	date of tender?	
4.2	Whether quoted a firm delivery period?	Yes / No
4.3	Whether agreed to the NIT Warranty clause?	Yes / No
4.4	Whether confirmed acceptance of tender Payment Terms of 80% against shipment/dispatch documents and balance 20% after successful commissioning/testing along with commissioning/testing charges?	Yes / No
5.0	Whether confirmed to submit PBG as asked for in NIT?	Yes / No
5.1	Whether agreed to submit PBG within 30 days of placement of order?	Yes / No
6.0	Whether Price submitted as per Price Schedule (refer Para 12.0 of BRC vide Annexure – II)?	Yes / No
6.1	Whether cost of Recommended Spares for 2 years of operations quoted?	YES/NO
7.0	Whether quoted as per NIT (without any deviations)?	Yes / No
7.0	Whether quoted any deviation?	Yes / No
7.1	Whether deviation separately highlighted?	Yes / No
8.0	Whether indicated the country of origin for the items quoted?	Yes / No
8.1	Whether technical literature / catalogue enclosed?	Yes / No
8.2	Whether weight & volume of items offered indicated?	Yes / No
9.0	For Foreign Bidders - Whether offered FOB / FCA port of despatch including sea / air worthy packing & forwarding?	Yes / No
9.1	For Foreign Bidders – Whether port of shipment indicated. To specify:	Yes / No
9.2	For Foreign Bidders only - Whether indicated ocean freight up to Kolkata port (Excluding marine insurance) ?	Yes / No
9.3	Whether Indian Agent applicable ?	Yes / No
	If YES, whether following details of Indian Agent provided?	
	(a) Name & address of the agent in India – To indicate	
	(b) Amount of agency commission – To indicate	
	(c) Whether agency commission included in quoted material value?	
10.0	For Indian Bidders – Whether indicated the place from where the goods will be dispatched. To specify :	Yes / No
10.1	For Indian Bidders – Whether road transportation charges up to Duliajan quoted?	Yes / No
10.2	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	Yes / No
10.3	For Indian Bidders only - Whether indicated import content in the offer?	Yes / No
10.4	For Indian Bidders only - Whether offered Deemed Export prices?	Yes / No
10.5	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted?	Yes / No
11.0	Whether all BRC/BEC clauses accepted ?	Yes / No
12.0	Whether Integrity Pact with digital signature uploaded?	Yes / No
12.1	Whether all the clauses in the Integrity Pact have been accepted?	Yes / No

C. TO BE FILLED UP IN DETAIL:

Sl No	Requirement	Bidder's Reply
01	Make and Model of the Items quoted	
02	Bid validity quoted	
03	Payment Terms quoted	
04	Guarantee/Warranty Terms quoted	
05	Delivery Period quoted	
08	Port of Despatch / Despatching Station	
09	Confirm submission Integrity pact, if required as per NIT	
09	Deviations quoted, if any, to be given in details or refer to respective page of the bid documents	

Signature _____

Name _____

Designation _____

.....

CERTIFICATE OF ANNUAL TURNOVER & NET WORTH

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

TO WHOM IT MAY CONCERN

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

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

***Applicable only for GLOBAL tenders**