OIL INDIA LIMITED

(A Govt. of India Enterprise)
4, India Exchange Place,
Kolkata – 700 001.

OIL INDIA LIMITED invites indigenous competitive bid through its e-procurement portal – https://etender.srm.oilindia.in/sap/bc/gui/sap/its/bbpstart/! for the following e-Tenders :-

Srl. No.	E-tender	Bid Closing Date	Materials Description
1	SKI3804P15	25-07-2014	Manila Rope
2	SKI3805P15	25-07-2014	Clean Agent Fire Extinguishing System
3	SKI3806P15	25-07-2014	Pressure Controller
4	SKI3808P15	25-07-2014	Air Compressors
5	SKI3809P15	25-07-2014	Air Compressors
6	SKI3810P15	25-07-2014 (Technical Bids)	Overall / Boiler Suits (Single Stage – Two Bids System)

2.0 Application showing full address / e-mail address with Tender fee (non-refundable) of **₹ 1000.00** per tender (excepting for **PSU** and **SSI** units registered with **NSIC)** by Demand Draft in favour of M/s. Oil India Limited payable at Kolkata and to be sent to **Head-Calcutta Branch**, **Oil India Limited, 4, India Exchange Place, Kolkata – 700 001** only. Application shall be accepted only upto one week prior to Bid Closing Date. The envelope containing the application for participation should clearly indicate **"REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E-TENDER NO."** for easy identification and timely issue of authorisation. On receipt of requisite tender fee, **USER_ID** and initial **PASSWORD** will be communicated to the bidder (through-e-mail) and will be allowed to participate in the tender through OIL's e-Procurement portal. No physical tender documents will be provided. **Details of NIT can be viewed using "Guest Login" provided in the e-Procurement portal. The link to e-Procurement portal has also been provided through OIL's web site www.oil-india.com.**

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OIL INDIA LIMITED
(A Government of India Enterprises)
4, India Exchange Place
Kolkata -1

TELEPHONE NO. (033) 222301657
FAX NO: (033) 22302596
Email: oilcalmn@dataone.in;oilcalmn@oilindia.in

FORWARDING LETTER

Tender No & Date	:	**SKI 3809 P15 DATED 04.06.2014**
Tender Fee	:	**Rs 1,000.00**
Bid Security Amount	:	**Rs 1,00,000.00**
Bidding Type	:	SINGLE STAGE COMPOSITE BID SYSTEM
Bid Closing on	:	As mentioned in the Basic Data of e-portal
Bid Opening on	:	As mentioned in the Basic Data of e-portal
Performance Guarantee	:	Applicable
Integrity Pact	:	Applicable
Delivery Required	:	**At DULIAJAN, ASSAM**

OIL invites Bids for

ELECTRICAL MOTOR DRIVEN SCREW AIR COMPRESSOR WITH Installation & Commissioning (06 Nos.)

as per Annexure II through its E-Procurement site. The bidding documents and other terms and conditions are available at Booklet No. MM/CALCUTTA/E-01/2010. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents.

The general details of tender can be viewed by opening the RFx [Tender] under RFx and Auctions. The details of items tendered can be found in the Item Data and detail as uploaded under Technical RFX.

The tender will be governed by:

a) "General Terms & Conditions" for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).

b) Technical specifications with BEC/BRC and Qty. as per **ANNEXURE II** .

c) The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents.

d) In the event of receipt of only a single offer against the tender within B.C. date, OIL reserves the right to extend the B.C. date as deemed fit by the Company. During the extended period, the bidders who have already submitted the bids on or before the original B.C. date, shall not be permitted to revise their quotation.

e) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).

f) Bidder are advised to fill up the Technical bid **CHECK LIST** and **RESPONSE SHEET** given in MS excel format in Technical RFx -> External Area - > Tender Documents. The above filled up document to be uploaded in the Technical RFX Response.

g) Integrity Pact :

OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide **Annexure V** 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. Any bid not accompanied by Integrity Pact Proforma duly signed (digitally) by the bidder shall be rejected straightway. 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.

Special Note:

1.0 General Qualification Criteria:

In addition to the general BRC/BEC, following criteria on Bidders' Experience and their financial capabilities shall be considered (documentary evidence to be provided along with the bid in Technical RFx -> External Area - > Tender Documents as on the Bid Closing Date:

a) Bidder should have experience of successfully executing Similar order for at least Rs 30.00 Lakhs during last 3 years as on the Bid Closing Date.

b) Annual financial turnover of the firm in any of the last 3 financial years or current financial year should not be less than Rs 1.00 CRORE.

2.0 Application showing full address / e-mail address with Tender fee (non-refundable) of ₹ 1000.00 per tender (excepting PSU and SSI units registered with NSIC) by Demand Draft in favour of M/s. Oil India Limited payable at Kolkata and to be sent to Head-Calcutta Branch, Oil India Limited, 4, India Exchange Place, Kolkata – 700 001. Application shall be accepted only upto one week prior to Bid Closing date. The envelope containing the application for participation should clearly indicate ""REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E TENDER NO **SKI 3809P15** for easy identification and timely issue of authorisation. On receipt of requisite tender fee and subject to fulfilment of eligibility criteria, USER_ID and initial PASSWORD will be communicated to the bidder (through-e-mail) and will be allowed to participate in the tender through OIL's e-Procurement portal. No physical tender documents will be provided. USER_ID AND INITIAL PASSWORD WILL BE ISSUED TILL ONE WEEK PRIOR TO THE BID CLOSING DATE.

3.0 Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with Tender no. and Due date to **Head-Calcutta Branch, Oil India Limited, 4, India Exchange Place, Kolkata – 700 001** only on or before the Bid Closing Date and Time mentioned in the Tender.

a) Original Bid Security
b) Detailed Catalogue (if any)
c) Any other document required to be submitted in original as per tender requirement

All documents submitted in physical form should be signed on all pages by the authorised signatory of the bidder and to be submitted in triplicate

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

5.0 All the Bids must be Digitally Signed using "Class 3" digital certificate (e-commerce application) with organisation name 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.

6.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time failing which the offer shall be rejected.

7.0 Bid must be submitted electronically only through OIL's e-procurement portal. Bid submitted in any other form will be rejected.

8.0 The tender shall be governed by the Bid Rejection & Bid Evaluation Criteria given in enclosed Annexure-II. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria contradict the Clauses of the tender and / or "General Terms & Conditions" as per Booklet No. MM/CALCUTTA/E-01/2010 for E procurement (LCB Tenders) to General Terms and Conditions for Indigenous E-Tender elsewhere, those in the BEC / BRC shall prevail.

9.0 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 the company, failing which the offer will be summarily rejected.

10. Please do refer to the User Manual provided on the portal on the procedure How to create Response for submitting offer.

Yours Faithfully
Sd-
D BHATTACHARJEE
SR.MANAGER MATERIALS
For Chief Manager- Materials
For Head-Calcutta Branch

OIL INDIA LIMITED
(A Government of India Enterprise)
4, India Exchange Place, 4th floor,
Kolkata 700001,
West Bengal (India)

TELEPHONE NO. (033) 2230 1657 / 58 / 59
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Email : oilcalmn@oilindia.in
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ANNEXURE-II

Tender No& Date : SKI 3809 P15 DATED: 04.06.2014

Tender Fee : 1000.00 INR

Bid Security Amount : 1,00,000.00 INR

Bidding Type : Single Bid (Composite Bid)

Bid Closing on : As mentioned in the Basic Data of e-portal
Bid Opening on : As mentioned in the Basic Data of e-portal

Performance Guarantee : Applicable

OIL INDIA LIMITED invites Indigenous tenders for items detailed below:

TECHNICAL SPECIFICATIONS WITH QUANTITY

SLNO & MATERIAL CODE NO.	MATERIAL DESCRIPTION.	QUANTITY	UNIT
10 **----------** **0C000006**	**AIR COMPRESSOR** **ELECTRICAL MOTOR DRIVEN SCREW AIR COMPRESSOR FOR MAKUM OCS (2NOS).**	**2**	**NO.**
20	**Installation & Commissioning**	**1**	**AU**

30 ---------- 0C000006	**AIR COMPRESSOR** ELECTRICAL MOTOR DRIVEN SCREW AIR COMPRESSOR FOR HEVADA OCS (2NOS)	2	NO
40	INSTALLATION& COMMISSIONING	1	AU
50 ---------- 0C000006	**AIR COMPRESSOR** ELECTRICAL MOTOR DRIVEN SCREW AIR COMPRESSOR FOR BHOGPARA OCS (2NOS).	2	NO
60	INSTALLATION& COMMISSIONING	1	AU

Details Specification (Item 10):-

1.0 General Description of screw Air Compressor

The compressor is a single stage, positive displacement, fluid-flooded helical screw type unit.

The Compressor consists of two precision-machined rotors. The male rotor is driven by a gear train, connected to motor shaft through suitable drive. All parts are to be machined to exacting tolerances. Both rotors are to be housed in a single cast iron cylinder. The unit should have an inlet port at the power-input end and a discharge port at the opposite end. The compression cycle of the rotary compressor should be a continuous process from intake to discharge with no reciprocating mechanisms starting and stopping as found in reciprocating compressors. All components are to be attached to a heavy-duty steel frame. Controls and indicators are to be arranged on a control panel.

The screw Air Compressor set must be placed within an Acoustic cabinet for reducing sound levels to 75 dBA or less as per ISO 2151:2004 annex C measured at a distance of 1mt in free field condition as per PNUROP/CAGI test codes.
The Screw compressor should be designed for Ambient Temperature of 45 degree C.

2.0 SPECIFICATION OF SCREW AIR COMPRESSOR:-

This specification covers Design, Supply, Manufacture, Inspection, Testing, Packing, and Delivery at site, Installation supervision and Commissioning of Screw type air compressor system consisting of dual redundant compressor units, integrated heatless type air dryer, pre filter& after filter to supply dry and filtered air with air reservoir vessel after compressor and after dryer.
Capacity : Minimum 120 to 140 cfm.
Operating pressure (max.): 7.5 barg to 10 barg
Operating pressure (min.): 4.5 barg
Cooling : Air Cooled
Designed Ambient Temperature: 0 to 45 degree C

Total Package with Acoustic enclosure should be placed on a skid

3.0 Standard Scope of Supply

3.1 Compressor must be ready in all respect & the following must be within the scope of supply:

3.1.1 Site Location: Makum Oil Collecting Station, Oil India Limited, Duliajan.
3.1.2 Relative Humidity: 95%
3.1.4 Electric Supply: 415 V (50 Hz, 3 Phase AC supply, 230 V single phase AC supply)
3.1.3 Area Classification: Non-hazardous / safe

3.1.4 Quantity: 02 Numbers
3.1.5 Type: Rotary, single stage, air cooled ,oil flooded electrically driven screw compressor with acoustic enclosure.
3.1.6 Location: Indoor
3.1.7 Capacity Control: 0 and 100%
3.1.8 Service: Instrument Air
3.1.9 Duty: Continuous
3.1.10. Inlet un-loader system.
3.1.11. Dry type Air intake filter with 99% efficiency @ 3 micron and above.
3.1.12. Spin on oil filter.
3.1.13. Air / Oil separator element to ensure oil carry over limited to 3 ppm.
3.1.14. Thermal valve.
3.1.15. Solenoid valve.
3.1.16. Blow down / Drain valve.
3.1.17. Suitable Moisture separator (AIR DRYER) to separate condensed moisture from cooled compressed air with auto drain unit controls & standard display
3.1.18. Water trap.

3.1.19. Integrated Minimum pressure check valve.
3.1.20. Pressure safety relief valve.
3.1.21. The cooling system of the air compressor should be air cooled.
3.1.22. Patented low sound Enclosure (75 dBA or less).
3.1.23. Inlet restriction Indicator on Intake Valve.
3.1.24. Panel filter for primary air filtration.
3.1.25. Oil level indicator.
3.1.26. Suitable inlet and outlet connections with valves and couplings should be supplied.

The compressor unit performance should be measured according to ISO 1217, Annex C.

N.B. : The preferable makes of the Air Compressor to be INGERSOLL RAND / ELGI / KIRLOSKAR PNEUMATIC / ATLAS COPCO / KG KHOSLA or EQUIVALENT REPUTED MAKE.

3.2 Lubrication:

Suitable Lubricating oil with long life to be used.

3.3 Cold Box / Hot Box Design:

Electronics are to be placed on the Cold side of the Compressor for increased life of the components.

Cold Box:
• Includes Motor, Cooling and Controller
• It will isolate the motor , electrical and electronics from the heat of the Air End extending motor , electrical and electronics life
• It will reduce temperature and provides enhanced Cooling.

Hot Box:
• Includes integrated Compressor Module.
• It will quickly achieve air end running temperature to eliminate any potential moisture build up.
• It will isolate and reduce air end noise for quiet operation.

3.4 Controls & Instrumentation:

• Microprocessor Based Controller with power on Indication.
• Total Running Hours Counter
• Package Discharge Air pressure gauge

- High Temperature Sensor & Trip
- Blow down Solenoid valve
- Load/Unload Solenoid Valve
- Pressure Transducer.
- Auto Start/Stop feature
- Emergency Stop Switch
- Reset Button
- On/off selector switch.

Note:
1) OIL will provide 415V AC power at site. Bidder shall provide necessary power supply arrangement required for offered 'Control and Instrumentation system' along with the package.
2) Bidder needs to provide a complete list of recommended spares for Control and Instrumentation system along with price list which shall remain firm for minimum 3(three) years from the date of supply.

3.5 Protection:

- Reverse Rotation
- Over Pressure
- High Temperature (Max 109 degree C).
- Motor Overload, short circuit and earth leakage.
- Low Sump Pressure (Min 15 Psig)
- Pressure Sensor failure
- Temperature Sensor Failure.

3.6 DRYER:
3.6.1 QTY: 1 NO
3.6.2 TYPE: .Desiccant type Heatless Air Dryer with filters having inlet air capacity of 150 cfm at inlet pressure of 7.5 Bar(G), complete with all fittings and accessories.
Air dryer would be having following components :

(a) Adsorber Towers : 2 Nos.
(b) Prefilters and after-filters for compressed air.
(c) Changeover Valves and Instrumentation.
(d) Inter-connecting Pipes.
(e) Control panel for the air dryer.
(f) Digital dew point meter.

3.6.3. Dew point meter at air dryer outlet for knowing the moisture content in final output air after dryer. Dew point meter should be preferably from GE sensing /Panametrics/Honeywell/any EIL approved vendor for dew point meter. QTY: 1 NO

3.6.4 The compressed air should meet the Instrument Air Quality Standard (ANSI/ISA-S7.0.01-1996) in terms of pressure dew point, particle size, lubricant content and contaminants.
3.6.5 The pressure dew point as measured at the dryer outlet shall be at least 10 deg C (18 deg F) below the minimum temperature to which any apart of the instrument air system is exposed. The pressure dew point shall not exceed 4 deg C (39 deg F) at line pressure under any condition. Dew point at atmospheric pressure should be -40 deg C.

3.6.6. Air dryer make can be AXAl/PSA nitrogen etc

3.7 AIR RECEIVER:

3.7.1 QTY: 2 NOS.
3.7.2 Minimum 3000 Liter IR Air Receiver with auto drain facility. One to be placed after compressor and other to be placed after dryer.
• 3000 Liter IR Air Receiver (3M*3) – Considering 1cfm/control loop of air consumption for at least one hour backup in case of complete power failure.
• 3m³ Vertical Air Receiver will be with standard fittings including:
A) Safety Valve with connection – spring loaded, Open Bonnet, Pop type.
B) Pressure Gauge with connection & cock; 4" Dial, Drain Pipe with connection & isolation valve.
Note:
All the interconnected piping in compressor, dryer and in-between compressor & dryer, between compressor and vessel (3000L), between dryer and vessel (3000L) should be factory fitted and preferably should be skid mounted.

3.8 Suitable Online Filters "Grade F212 Filters/equivalent" (after and before dryer)

3.8.1 QTY: 1 SET
3.8.2 For Flow rate - 125 cfm, General Purpose Pre- Filter(GP Filter) F212 IG High efficiency Filter (HE Filter) F 212 IH Grade A - Activated Carbon Filtration F212 AC.

4.0 Electricals:

4.1 Electrical Motor as per the following specifications :

4.1.1 Squirrel Cage Induction motor
4.1.2 Site and operating conditions - Ambient temperature approximately 45 degree C ; and dusty environment, Altitude less than 1000m above msl;

4.1.3 Applicable Standard - IS 325
4.1.4 Degree of protection - IP 55
4.1.5 Type of duty - S1 (Continuous)
4.1.6 Method of cooling - TEFC, Air cooled
4.1.7 Mounting and frame size - Foot mounted, bidder to mention Frame size offered
4.1.8 Frequency - 50 Hz +/- 3 %
4.1.9 Phases - 3 Phase
4.1.10 Output power – As per bidder specification to match compressor load. The bidder should submit the detailed calculation for selection of motor power along with their offer.
4.1.11 Rated voltage - 415 VAC +/- 10%
4.1.12 Power Factor - 0.8
4.1.13 Class of insulation - (Rotor / Stator) - F, temperature rise limited to Class B
4.1.14 As per manufacturer's design; to provide rated output.
4.1.15 Minimum efficiency - 87% (as per IS 8789)
4.1.16 Direction of rotation - same as for compressor.
4.1.17 Earthing facility : Earthing stud/earth provision with GI fasteners to be available at two places on the motor foot/body and one inside the terminal box.
4.1.18 Make - CG / Bharat Bijlee / Kirloskar/ NGEF/ ABB or reputed equivalent
4.1.19 Paint - Two coats of DA grey paint.

4.2 Control panel to start / stop and protect the motor and compressor, with the following minimum facilities:

4.2.1 One adequately sized, manually operated three-phase isolation switch to switch on/off all incoming power to the panel.
Incoming power to the panel / motor will be connected to this switch.
4.2.2 Auto Start / Stop - Motor start / stop are to be controlled by the microprocessor
- This is the default motor control scheme, MCCB, contactor and overload relay
based, with start/stop command from the Microprocessor controller.
4.2.3 Indication lamps (LED type): Input power available / Motor Running /Motor Stop / Motor Tripped
4.2.4 Emergency Stop Switch - A push button to instantly stop the motor. This should be "push to operate - turn to reset" type mushroom headed button.
4.2.5 Protection - Motor should be protected against the following:

1. Reverse rotation. Normal rotation as per the compressor direction of rotation

2. Overload and short circuit through thermal overload relay and MCCB
3. Single Phasing
4. Earth Leakage through CBCT and earth leakage sensing relay

INSTRUMENTATION:
4.2.6 Microprocessor based controller (This shall be ambient cooled
and should not require any special means of cooling).
4.2.7 Temperature sensors input
4.2.8 Solenoid valves control (Blow down SV, Load/Unload SV)
4.2.9 Pressure Transducer sensor input
4.2.10 Package Air Pressure gauge
4.2.11 Total running hours counter
4.2.12 High discharge Air temperature indication lamp
4.2.13 Fluid Filter change indication lamp
4.2.14 Air / Fluid separator Element change indication lamp
4.2.15 Air intake filter change indication lamp
4.2.16 Display of all important parameters via indication lamps / on a screen

The components inside the control panel shall be easily accessible. Panel shall
be IP 23 rated. All cables / sensor wires shall be of bottom entry. All indication lights, meters and displays shall be located on the front. The front shall be a hinged, double panel type door, which when open shall allow full access to the controller, starting mechanism, and other control devices within. The panel should be made from minimum 3 mm thick MS CRCA sheet, and built upon a rigid framework, with lifting lugs on top and ventilation louvers on both sides, bottom detachable gland plates, earthing studs on two sides. The metal surface of the panel should be given suitable anti-corrosion treatment and then powder coated.
The Panel should be supported on a rigid frame so that bottom cable entry plate of panel is at least 300 mm above floor, for easy and safe entry of power control and communication cables. The frame should be able to withstand stress and vibration during transportation.
All power and control connections in the panel should be done with copper conductors only.
For all other matters not specified above, the panel design and manufacture should be as per IS 8623.

4.3 Special Conditions (Electrical):

a) Coupling guard: Motor - Compressor coupling should be adequately protected using coupling guard.

b) Earthing studs - All electrical current carrying / consuming equipment or item should be provided with a minimum of two earthing studs.
c) Caution Boards - All current carrying parts (including Control panels / Starters / Push-buttons) should be adequately marked with caution plates / stickers as per IS: 8923 (Warning Symbols for dangerous voltages), or IS 2551 (Danger Notice Plates), as applicable.

d) All power and control cable inside the control panel, from control panel to
motor and solenoid valves, indication, meter etc. shall be in the supplier's scope.
OIL shall supply 415 V, 3 phase, 50 Hz AC power supply only at one point. The
leading cable from OIL's source up to the compressor control panel shall also be
in supplier's scope. This cable should be minimum 4 core 16 mm2 screened
copper cable.
e) All cables mentioned above shall be of copper. All Power and control cables
should be adequately protected against mechanical damage.
f) Bidder should supply along with the bid, the electrical schematic drawing,
clearly marking the motor starting system, the protection system, and the
indications / safety devices employed.
g) In case of the successful bidder, all electrical schematics / wiring diagrams
shall be approved by OIL before manufacture.
h) All indication lamps to be LED type of appropriate colour
i) All power connections to the compressor from the external power source will be
terminated on the isolator of the control panel.

4.4 Applicable Standards:

Motor should conform to the following codes wherever applicable:

IS 325 Three phase Induction motors-specification
IS:900 Code of practice for installation and maintenance of induction motors
IS 1231 Dimension of three-phase foot mounted A.C. Induction motors
IS 2223 Dimensions of flange mounted A.C. induction motors
IS:4029 Guide for testing three phase induction motors
IS:4691 Degree of protection provided by Enclosures for Rotating Electrical Machinery

IS:6362 Designation of methods of cooling for rotating electrical machines
IS 12065 Permissible limits of noise level for rotating electrical machines
IS 12075 Mechanical vibration of rotating electrical machines
IS 12615 Energy Efficient Induction motors - Three phase, squirrel cage
IEC 60045-1, 5 Rotating electrical machines - Rating and performance, degrees of protection
IEC 60072 Dimension and output ratings of rotating electrical machines
IS 8789 Performance of standard motors up to 37 kW

5.0 Manual Vent and Shutoff Valve
Needs to be Installed a manual valve to vent the compressor and the compressor discharge line to atmosphere. In those instances where the air receiver tank services a single compressor, the manual valve can be installed in the receiver. When a manual shut-off valve (block valve) is used, a manual valve should be installed upstream from the valve, and a pressure relief valve installed upstream from the manual vent valve. These valves are to be designed and installed as to permit maintenance to be performed in a safe manner.

6.0 Fluid Level
The compressor should be filled at the factory with the correct amount of fluid. A fluid tag should be provided with the information concerning the initial fill of fluid. Provision for Fluid level monitoring should be provided by sight glass while in operation.

7.0 Compressor Rotation: Direction of rotation needs to be embossed on housing for easy identification.

8.0 Fan Rotation (Air-cooled only): Direction of rotation needs to be embossed on housing for easy identification.

9.0 Acoustic Enclosure
The screw Air Compressor set must be placed within an Acoustic cabinet for reducing sound levels to 75 dBA or less as per ISO 2151:2004 annex C measured at a distance of 1mt in free field condition as per PNUROP/CAGI test codes.
The Screw compressor should be designed for Ambient Temperature of 45 degree C.

10.0 TEST CERTIFICATE

The supplier shall submit detailed records and certificates of the forgoing tests as well as all relevant test certificates, to the purchaser, along with the delivery of the Air Compressor

unit. The certificate / records shall be supplied in quadruplicate and those for electrical equipment shall be endorsed for suitable use in the climatic conditions specified.

11.0 PARTS LIST, INSTRUCTION MANUAL & DRAWINGS:

11.1Specific confirmation ensuring uninterrupted supply of spares for all items including accessories for a minimum period of 10 years.
11.2 Supplier shall provide 3 (three) sets each of spare parts list with part nos., quantity and unit rate recommended for two years of operation.
11.3 Supplier shall provide 3 (three) sets of operating instruction manual ,maintenance manual and service manual covering all the items of screw Air Compressor per compressor unit
11.4 Supplier shall provide one set of drawing per set of compressor unit showing installation details of the Acoustic enclosure. Wiring diagram for the lighting and other electrical accessories shall be attached inside Acoustic enclosure.
The illustrative manuals, information should be supplied at the time of offer/quotation.

12.0 INSPECTION :
The Air Compressor Unit shall be inspected and tested at supplier's works by OIL designated engineer(s) prior to dispatch. Such inspection or case may be, shall however not relieve the supplier of his responsibility to ensure that the equipment supplied is free from all manufacturing and other defects and conforms to correct specifications. Intimation must be sent to OIL at least 30 days in advance for deputing personnel to carry out the inspection of equipment at manufacturer's works. The successful bidder must keep all test reports / certificates ready for OIL’s scrutiny and check.

Load testing of the Air Compressor Unit at No load and Full load conditions for output and performance shall be carried out in presence of the OIL’s engineer(s) appointed for the purpose and to his satisfaction at supplier's premises prior to dispatch. The Air Compressor unit shall be acceptable to OIL only after satisfactory full load test.

13.0 PACKAGING & PAINTING:

The packing shall be sufficiently robust to withstand rough handling/transit damage during transportation. Boxes/ packing cases containing electrical equipment shall be water proof lined to prevent transit damage. Loose components shall be packed separately.

Suitable anti rust & heat resistant painting (min. two coats) should be applied in the whole compressor set including the acoustic enclosure.

14.0 PERFORMANCE GUARANTEE:
a)10% of the ordered value shall be given as performance guarantee in the form of bank guarantee for a period of 12 months after commissioning or 18 months from the date of dispatch. The bank guarantee will be released after successful completion of guarantee / warranty period.
b) During guarantee / warranty period, the supplier has to attend and rectify all defects at site in Duliajan, Assam and replace and repair (including supply of spares) all malfunctioning parts free of cost to OIL.

15.0 OTHERS
Any items/ points not included in the specifications but necessary for efficient control and operation of the Screw Compressor shall be stated by the bidder.

16.0 SPARES

The Bidder shall have to quote for the list of Spare parts for two years normal operation for each compressor unit. The price of the spares will not be part of offered price of compressor.

17.0 INSTALLATION & COMMISSIONING OF THE EQUIPMENT:-

1. The bidders shall separately mention charges for installation & commissioning along with their offered item price
2. The Successful Bidder shall commission their supplied items at MAKUM OCS of OIL.
3. The successful bidder shall have to arrange accommodation at their own cost at Duliajan or Tinsukia including to & fro expenditure for their personnel, deputed for commissioning.

18.0 WARRANTY
The warranty period for the Air Compressor, Electrical Motor and all other accessories should be a minimum of 12 months from the date of successful commissioning or 18 months from the date of dispatch, whichever is earlier against defects arising from faulty materials, workmanship or design. Defective goods/ materials or parts notified by OIL to the Seller shall be replaced immediately by the seller on F.O.R. destination basis including payment of all taxes and duties at Seller's expense.

The relevant warranty certificate should be submitted at the time of delivery of the air compressor unit.

19.0 AFTER SALES SERVICE
1) The nature of after sales service, which the supplier can provide during initial commissioning and also subsequently, should be clearly stated. Confirmation that all spares related to the equipment supplied shall be available for a period of at least 10 years after delivery should be provided. Bidders should also indicate their nearest authorized service center.
2) The details of such service centre/authorized agent for after sales services shall be mentioned in the offer for bid evaluation.

20.0 Documents:
1. Bidder shall furnish every detail of the Air Compressor unit including electrical items in their offer. All of the above shall form part of the Purchase Order. Hence any deviations must be clearly mentioned which shall be scrutinized for technical acceptability. Specific type and make of components should be mentioned clearly. No deviation shall be allowed at the time of supply and in such case the 'Purchase Order' shall be cancelled without any liability to OIL. IN CASE OF SUCH CANCELLATION, OIL MAY RECOVER THE COST INCURRED IN PROCESSING THE TENDER, TILL THE TIME OF CANCELLATION, FROM THE BIDDER.

21.0 Successful Bidder has to take approval from OIL for the following prior to manufacture/assembly of the Air Compressor unit:
i) GA and dimensional drawing.
ii) Power and control circuit diagrams.
iii) Technical details of the motor.
iv) Bill of materials with technical details of various components of the starter and PBS.
v) Technical details of the compressor.

22.0 Successful bidders shall have to submit two bound sets of the following documents with each unit of the Air Compressor:

i) Approved GA and dimensional drawing of all equipment.
ii) Approved Power and control circuit diagrams.
iii) Approved Technical details of the motor.
iv) Approved Bill of materials
v) List of recommended spares for two years.
vi) Test carried out as per IS: 325 -1996 (Reaffirmed in 2007) for electrical motor shall be furnished with the supply.
vii) Approved Technical details of the compressor.
viii) All test certificates.
ix) Guarantee/ Warranty certificate duly signed & stamped by supplier.

NOTE: Bidder must confirm every details of equipment as specified in the enquiry. Any deviations must be clearly mentioned. Specific type and make of components shall be mentioned clearly. The bidders shall summarize the deviation /modification in a separate para in their offer document with a heading "deviation/modification". Otherwise they will write "NO DEVIATION FROM ENQUIRY". Deviation of any nature shall NOT be allowed at the time of supply.

Details Specification (Item 30):-

SAME AS ABOVE (IE, ITEM NO 10) except
Site Location: Hevada OCS, Oil India Limited.

Details Specification (Item 50):-

SAME AS ABOVE(IE, ITEM NO 10) except
Site Location: Bhogpara OCS, Oil India Limited,

PAYMENT :

70% of material cost shall be paid against dispatch documents and balance 30% of the material cost along with 100% of installation, testing & commissioning charges shall be paid after successful installation & commissioning of the system at sites.

BID EVALUATION CRITERIA/BID REJECTION CRITERIA

The following BRC/BEC will govern the evaluation of the bids received against this tender. Bids that do not comply with stipulated BRC/BEC in full will be treated as non responsive and such bids shall prima-facie be rejected. Bid evaluation will be done only for those bids that pass through the “Bid Rejection Criteria” as stipulated in this document.

Other terms and conditions of the enquiry shall be as per General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BRC / BEC) contradict the Clauses of the tender or MM/CALCUTTA/E-01/2010 elsewhere, those in the BRC / BEC shall prevail.

BID REJECTION CRITERIA (TECHNICAL)

The bids must conform to the specifications and terms and conditions given in the enquiry. Bid shall be rejected in case the items(s) offered do not conform to the required parameters stipulated in the technical specifications. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected.

a) The bidder should be an OEM or authorized dealer of Air Compressors.

b) The bidder also may be OEM appointed authorized assembler of Air Compressor Set.

c) In all cases, the bidder must purchase the Compressor from OEM or authorized dealer of Compressor whichever may be the case. In case of authorized dealer or appointed authorized assembler the bidder must submit the authorized dealership certificates/appointed authorized assembler certificates with validity period from the OEM along with the offer.

d) Bidders shall have the experience and proven track record of supply, installation and commissioning of 01 (one) no. of similar type of equipment in any Central Govt./PSU/State Govt. during last 5(FIVE) years from bid due date. Documentary evidence in this regard must be submitted along with the quotation like Purchase Order, Work Order with detailing scope of work and completion certificate of above failing which offer will be rejected.

"Similar type of equipment" means the specifications of offered compressor along with motor (Prime mover) should meet the basic specifications as mentioned in the enquiry.

B:COMMERCIAL

i). **Bid security of Rs 1,00,000.00** shall be submitted manually in sealed envelope superscribed with BID SECURITY AGAINST Tender no. **SKI3809P15** **Head Calcutta Branch, Oil India Limited,4 , India Exchange Place , Kolkata-700001** only on or before the Bid Closing Date and Time mentioned in the Tender. **If bid security in ORIGINAL of above mentioned amount is not received within bid closing date , the bid submitted through electronic form will be rejected without any further consideration.** For exemption for submission of Bid Security, please refer relevant para of

General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. **The Bid Security shall be valid for six month from the date of bid opening.**

i). 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.

ii). Successful bidder will be required to furnish a **Performance Bank Guarantee** @10% of the order value. For exemption for submission of Performance Bank Guarantee, please refer relevant para of General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. The Performance Bank Guarantee must be valid for one year from the date of successful commissioning of the equipment or 18 months from the date of despatch whichever is earlier. **Bidder must confirm the same in their bid. Offers not complying with this clause will be rejected.**

The validity requirement of Performance Security is assuming despatch within stipulated delivery period and confirmation to all terms and conditions of order. In case of any delay in despatch or non-confirmation to all terms and conditions of order, validity of the Performance Security is to be extended suitably as advised by OIL.

iii). The Bank Guarantee should be allowed to be encashed at all branches within India.

iv). 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.

v). Validity of the bid shall be minimum 120 days from the Bid Closing Date. Bids with lesser validity will be rejected.

vi). Bids containing incorrect statement will be rejected.

vii). All the Bids must be Digitally Signed using "Class 3" digital certificate *(e-commerce application)* 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 rejected.

VIII). INTEGRITY PACT :

OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure V 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. Any bid not accompanied by Integrity Pact Proforma duly signed (digitally) by the bidder shall be rejected straightway. 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.

The names of the OIL's Independent External Monitors at present are as under:

i. SHRI N. GOPLASWAMI, I.A.S. (Retd.),
Former Chief Election Commissioner of India
E-mail Id: gopalaswamin@gmail.com

ii. SHRI RAMESH CHANDRA AGARWAL, IPS (Retd.)
Former Director General of Police
E-mail Id: rcagarwal@rediffmail.com

2.0 BID EVALUATION CRITERIA (BEC):

A. TECHNICAL:

The bids conforming to the technical specifications, terms and conditions stipulated in the bidding document and considered to be responsive after subjecting to Bid Rejection Criteria (BRC) will be considered for further evaluation as per the Bid Evaluation Criteria given below.

i) In the event of computational error between unit rate and total price, the unit rate as quoted by the bidder shall prevail.

ii) Similarly in the event of discrepancy between words and quoted figure, words will prevail.

B. COMMERCIAL:

i) To evaluate the inter-se-ranking of the offers, Assam entry tax on purchase value will be loaded as per prevailing Govt. of Assam guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their offer.

ii) 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 to must be received on or before the dead line given by the company, failing which the offer will be summarily rejected.

Standard Notes:

A. The original bid security (Amount is mentioned above and also in Basic Data of the tender in OIL's e-portal) should reach us before bid closing date and time .Bid without original Bid Security will be rejected. The bidders who are exempted from submitting the Bid Bond should attach documentary evidence in the Collaboration folder as per General Terms and conditions for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).

B. 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.

C. "General Terms & Conditions" for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).

D. **Offers should be valid for minimum 120 days from the date of Technical Bid closing Date, failing which offer shall be rejected.**

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