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) 22301657
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Email: oilcalmn@dataone.in; oilcalmn@oilindia.in

FORWARDING LETTER

Tender No & Date	:	**SKI3805P15** **DATE: 04.06.2014**
Tender Fee	:	**Rs 1,000.00**
Bid Security Amount	:	**Rs 30,000.00**
Bidding Type	:	**Single Stage 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
Integrity Pact	:	Not Applicable
Delivery Required	:	**At DULIAJAN, ASSAM**

OIL invites Bids for **CLEAN AGENT FIRE EXTINGUISHING SYSTEM,, Installation & Commissioning 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 opeing the RFx [Tender] under RFx and Auctions. The details of items tendered can be found in the Item Data and detilas uploaded under Technical RFX.

The tender is invited with firm price for the specified quantity. Further details of tender are given below:-

1. Details of Items with Quantity and Unit of measure are as under:

SLNO & MATERIAL CODE NO.	MATERIAL DESCRIPTION.	QUANTITY	UNIT
10 ---------- **0C000196**	**CLEAN AGENT FIRE EXTINGUISHING SYSTEM**	01	NO.
20	**Installation & Commissioning**	01	AU

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.

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 atleast Rs 9.0 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 30.00 Lakhs.**

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 **SKI3805P15** 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 the User Manual provided on the portal on the procedure How to create Response for submitting offer.

NOTE:

1. Bidders should submit their bids explicitly mentioning compliance / non compliance to all the NIT terms and conditions.

2. PSUs and SSI units are provided tender documents Free of Cost (as per govt guidelines), however they have to apply to OIL's designated office to issue the tender documents before the last date of sale of tender document mentioned in the tender.

Yours Faithfully,

Sd-
(Prayas Chakravorty)
DMM(P)
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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ANNEXURE-II

Tender No& Date : SKI3805P15 DATED 04.06.2014

OIL INDIA LIMITED invites Indigenous tenders for items detailed below:

TECHNICAL SPECIFICATIONS WITH QUANTITY

SLNO & MATERIAL CODE .	MATERIAL DESCRIPTION.	QUANTITY	UNIT
10 ---------- **0C000196**	**CLEAN AGENT FIRE EXTINGUISHING SYSTEM**	01	NO.
20	**Installation & Commissioning**	01	AU

Details Specification for Item 10:-

Tender Specifications:

INERT GAS CLEAN AGENT FIRE EXTINGUISHING SYSTEM FOR LPG RECOVERY PLANT CONTROL ROOM.

Tender Specifications:

Inert Gas clean agent fire extinguishing system for LPG Recovery Plant Control Room: Single Hazard

1.0 General requirements:

The preliminary data available is as under:

Room Size:
Length: 9M
Breath: 9M
Height: 2.5M

Service: Control Room of LPG Recovery Plant.
Items inside the Control Room: PLC, DCS, SERVERS, OPERATOR STATION & PRINTERS.

The plant is basically a natural gas based LPG Recovery process plant. The main product is LPG and as a by product natural gasoline (Condensate) is produced. The plant is also equipped with LPG and Condensate storage and dispatch facilities. All the entire operations of the plant is monitored from the control room only.

The control room is having PLCs, Distributed Control System, Marshaling Cabinet, Operator Station, Printers. Above this, minimum two persons present on shift basis for 24 x 7 in the Control Room.

In case of any abnormal condition like fire hazard in control, it may leads to serious damage to entire plant, equipments and human being.

The Inert Gas clean agent fire extinguishing system at control room needs for achieving the electrically non conductive and non-corrosive, environmental friendly gaseous fire extinguishing system and to minimize the adverse affect on humane beings.

2.0 Desired Features of the System:

a) The system shall be an Inert Gas clean agent total flooding /fire suppression system designed to provide a uniform concentration of Inert Gas clean agent for the specified area.
b) The Inert Gas clean agent system shall be automatically actuated by detection circuits. Smoke detectors shall be used with control unit. The detectors shall be alternated throughout the protected area with the system requiring two detectors in alarm prior to automatic agent release.
c) The Inert Gas clean agent system should extinguish the fire by total flooding of gaseous agent/suppression system.
d) The Inert Gas clean agent system should be design and installed in such a way that it should be suitable with the existing system in the control room.

3.0 Requirements:

a) Bidders must submit all engineering design and materials for complete fire detection including Inert Gas clean agent storage cylinders, nozzles, control panel, detectors, wiring, alarm and all other equipment necessary for a complete operational system.

b) Sequence of operation, Electrical schematics and connection diagrams shall be provided to completely describe the operation of the Inert Gas clean agent system controls.
c) The name of the manufacturer and serial numbers shall appear on all major components.

4.0 System Operation:

A) Activation of single detector in detection zone shall cause a first-stage alarm and consequently operate for building alarm annunciation. At the same time it should be indicated in the activated detector and control panel.
B) Activation of second detector shall cause a second stage (pre-discharge) alarm to operate and initiate a programmable time delay (Inert Gas clean agent release).
c) On completion of the time delay the Inert Gas clean agent system shall cause a discharge alarm to be activated, Horn/strobe and Horn shall sound a steady tone. Consequently, it will energize actuator for Inert Gas clean agent cylinders releasing gaseous agent into the protected area.
D) Double action manual releasing stations shall be provided at the exit of the protected area and shall, when activated, immediately release the Inert Gas clean agent and cause audible/visual alarms to activate.

5.0 System Specifications

A) Control System: All control system shall be UL listed and/or FM approved or equivalent international agency approved and shall be capable of the minimum following features.
1) Ground fault indication
2) Supervised alarm circuits
3) Supervised detection circuit
4) Supervised release circuit
5) Supervised manual pull circuit
6) Supervised primary power circuit
7) Battery standby
8) Front panel indicating lamps(LEDs)
9) Key lock steel enclose
10) Programmable time delay
11) Programmable detection logic
12) Microprocessor based logic
13) History buffer

B) Control Panel shall communicate with and control the following types of equipments used to make up the system.
1) Smoke detectors
2) Output circuits shall be protected against false activation by using a 2-step electronic activation circuit.
3) Battery/earth fault supervision shall be provided.
4) Adjustable delay timer shall be available.
5) Manual release stations
6) Alarm notification appliances including alarm acknowledge facilities.

7) Releasing components
8) System reset facilities
9) Other system controlled devices.

C) System display shall minimum indicates the status of the following system parameters: AC Power, System Alarm, System Release, System trouble.

D) Power Supply: The power supply shall be integral to the control panel and provide all control panels and peripheral device power needs. Positive-temperature-coefficient thermistors, circuit breakers, fuses, or other over-current protection shall be provided on all power outputs.

Please note that OIL will provide 110 V, 50Hz power supply and the system should be design to operate in above mentioned voltage.

E) Mechanical Design: The control panel shall be housed in a cabinet designed for mounting directly to a wall or vertical surface. The door shall provide a key lock and include a glass or other transparent opening for viewing of all indicators.

F) Batteries: Batteries should have sufficient capacity to power the fire alarm system for not less than 8 hours in standby plus 10 minutes of alarm upon a normal AC power failure. The batteries are to be completely maintenance free. No liquid is required. Fluid level checks, refilling, spills and leakage shall not be accepted.

G) Manual Pull Stations: Manual pull station, when operated, causes an immediate release of the Inert Gas clean agent suppression agent. Manual station shall be metal with clearly visible operating instructions provided on the cover. Operation shall require two actions.

H) Smoke Detectors: Smoke detectors should be UL listed and/or FM approved or equivalent international agency approved. Each detector shall include a visual status indicator, provide remote LED output, and include a built-in test capability. The detector cover and screen shall be easily removable for field cleaning.

I) Sounder:

a) The sounder should be approved for use with the listed control system.
b) The device shall be UL listed and/or FM approved or equivalent.

J) System Arrangement: Inert Gas clean agent fire extinguishing system shall be of the engineered, permanently piped, fixed nozzle type with all pertinent components .All agent storage cylinders shall be centrally located as vertical, free-standing cylinders with wall and/or floor mounted retaining brackets. A common manifold shall be employed for the cylinders for common discharge. Manifolded cylinders shall employ a flexible discharge hose to facilitate installation and system maintenance. Each cylinder on a manifold shall also include an agent check valve installed to the manifold inlet.

K) Pipe Material:

a) System piping shall be of non-combustible materials having physical and chemical characteristics such that its integrity under stress can be predicted with reliability.
b) As a minimum, piping materials shall be black steel pipe conforming to ASTM A-53A ERW or ASTM A-106 Gr.B seamless
c) Piping joints shall be suitable for the design conditions and shall be selected with consideration of joint tightness and mechanical strength
d) As a minimum, fittings beyond the orifice union/nipple shall be black, 300 lb class fittings conforming to ANSI B-16.3. Ordinary cast iron fittings shall not be used.
e) The system manifold up to the orifice union nipple must be constructed of Schedule 80 piping and 2000 lb or 3000 lb forged steel fittings. Distribution piping downstream of the orifice union must be a minimum of Schedule 40 with 300 lb fittings.
f) All piping shall comply with NFPA 2001 standards.
g) Multi-outlet fittings other than tees shall not be permitted

L) Inert Gas clean agent Storage Cylinders:

a) Cylinder assemblies shall be of steel construction with a standard RED epoxy paint finish. Each cylinder shall be equipped with a pressure seat-type valve and gauge. Each valve shall be constructed of forged brass and shall attach to the cylinder providing a leak tight seal. Each valve shall also include a safety pressure relief device.
b) Filling of the cylinder assembly shall be an authorized Inert Gas clean agent fire systems distributor in conjunction with a factory authorized Inert Gas clean agent filling station. Initial filling and recharge shall be performed in accordance with the manufacturer's established procedures and shall not require replacement components for normal service. Initially all cylinders shall be filled.

M) Cylinder Bracket:
Each cylinder assembly shall be furnished with a bracket made from welded steel. The bracket shall hold the cylinders in a saddle with a front bracket piece that secures the cylinders. The brackets shall be modular in design to allow added bracketing or stacking of cylinders depending on installation requirements. Cylinder brackets shall be UL listed and/or FM approved or equivalent international agency approved for use with the Inert Gas clean agent system.

N) Valve Actuators:
a) Electric valve actuators shall be of brass construction and stackable design with swivel connections to allow removal of actuators for maintenance or testing.
b) Operation of actuators shall not require replacement of components. No ELECTRO-EXPLOSIVE DEVICES may be used to actuate the valve assembly
c) Actuation devices shall be UL listed and/or FM approved or equivalent international agency approved for use with the Inert Gas clean agent fire suppression system.

O) Discharge Hose:
All cylinder assemblies shall include a flexible discharge hose and check valve for connection to the manifold inlet. All hose/check valves shall be UL listed and/or FM approved or equivalent international agency approved.

P) Discharge Nozzles:

a) Discharge nozzles shall be of two-piece construction and sized to provide flow rates in accordance with system design flow calculations.

b) Nozzles shall be permanently marked with the manufacturer's part number. The nozzles shall be threaded directly to the discharge piping without the use of special adapters.

c) Nozzles shall be UL listed or equivalent.

Q) Orifice Unions/Nipple Assemblies:

a) An orifice union/nipple shall be included in the manifold to reduce pressure in the downstream pipe network.

b) Orifice union/nipple assemblies shall be rated at 2000 lb Class minimum.

c) Orifice union/nipple assemblies shall be permanently marked with the manufacturer's orifice code. The union orifice/nipple shall be threaded directly to the manifold piping without the use of special adapters.

d) Union orifice/nipple assemblies shall be UL Listed and/or FM Approved or equivalent international agency approved for use with the Inert Gas clean agent fire suppression system.

6.0 TECHNICAL SPECIFICATIONS:

The Inert Gas Clean Agent Fire Extinguishing system shall complies all the technical Specification with NFPA 2001 and for IG-541 in addition to the following.

(A) Inert Gas clean agent constitution

The Inert Gas clean agent system shall complies with NFPA 2001 and have purity as following:

o N2 52 ± 5 %
o Ar 40 ± 5 %
o CO2 8 ± 5 %
o Water content max 0.005 % by weight

The gas is stored at 200 bar at 15 Deg C

(B)Storage Cylinders:

The Inert Gas clean agent shall be stored in rechargeable cylinders, constructed, tested and marked in accordance with Directive 84/525/CEE and DOT 3AA and has inspection certificates from TUV-D or any other equivalent Inspection Organization. Bidder's should have PESO approval of the offered system for use in India.

Inert Gas clean agent System shall be designed for 200 Bar
Test Pressure: 300 Bar
Storage Pressure: 200 Bar

Cylinders should be UL approved or equivalent international agency approved.Each Cylinder shall be provided with a valve for the automatic operation which can be activated electrically, pneumatically or manually. It is delivered also with a pressure measuring and

analyzing nozzle and a safety bursting disc which will operate in case of over pressurization.
Working Pressure: 200 bar/15 deg C
Overpressure release: 270 bar
Min control pressure: 100 bar
Max working pressure: 240 bar
Body Material: Brass or Steel

(C)Pressure gauge:

Every cylinder is provided with a pressure gauge (range from 0 to 300 bar) which is connected at the special testing nozzle of the cylinder's quick release valve.
The gauge connection and disconnection should not cause any Inert Gas clean agent leakage.

(D)High pressure connection hose:

All cylinders are connected to manifold using a flexible hose with the following specifications:

Nominal diameter: 10 mm
Max operating pressure: 240 bar
Test pressure: 480 bar
Material: Thermoplastics Galvanized Steel or equivalent.

(E)Manifold with non return valves

Cylinders shall be connected with flexible hoses within a common manifold via non return valves. The manifold shall be provided with non return valves.
Maximum operating pressure: 240 bar
Test pressure: 320 bar
Material:
(I)Manifold: Galvanized Steel
(II)Non return valves: Brass or equivalent material

(F)Pressure reducing unit

The pressure reduction device shall use to reduce the Inert Gas clean agent storage pressure from 200 bar to 60 bar or lower in the distribution piping.

(G)Discharge Nozzle
Application :Total flooding
Material :Bronze or Brass or equivalent material

(H)Piping
All the pipe - network shall conform to the following requirements :
From the Cylinders up to the pressure reduction device
Max working pressure : 240 bar
Test pressure : 320 bar
From the pressure reduction device up to nozzles

Max working pressure : 60 bar
Test pressure : 80 bar

All fittings shall conform to the following requirements :
From the Cylinders up to the pressure reduction device
Max working pressure : 240 bar
Test pressure : 320 bar
Standarization : ANSI B 16.11
Material : A105/ASTM (C21)
From the pressure reduction device up to nozzles
Max working pressure : 60 bar
Test pressure : 80 bar

(I)Electrical actuator
Protection Standard :IP 65
Materials: :Body - Brass or equivalent material

7.0 Tentative Bill of Materials:

PARTS DESCRIPTION QTY (Nos.)

572 CU FT CYLINDERS WITH VALVE (200 BAR) - 16 NOS.
DISCHARGE HOSE- 16 NOS.
BOOSTER ACTUATOR- 2 NOS.
HF ELECTRIC ACTUATOR- 2 NOS.
LEVER ACTUATOR-2 NOS.
HEADER VENT PLUG 1 ¼" (SCH 80) - 2 NOS.
16" ACTUATION HOSE-2 NOS.
PNEUMATIC SWITCH DPST -1 NO.
NAMEPLATE-"MAIN"- 2 NOS.
NAMEPLATE-"RESERVE"- 2 NOS.
WARNING PALTE-INSIDE W/ALARM-4 NOS.
NOZZLE-4 NOS.
DEFLECTOR SHIELD-4 NOS.
CHECK VALVE-2 NOS.
ORIFICE UNION-1 NO.
RELIEF VALVE, MANIFOLD-2 NOS.
ACTUATOR ARMING TOOL FOR HF ELEC.ACTUATOR AND PNEU.ACTUATOR-1 NO
GAS RELEASE PANEL-1 NO
CONTROL MODULE RELAY-3 NOS.
MONITOR MODULE -3 NOS.
ROTATE SWITCH-1 NO
ABORT SWITCH 1 NO
LOCAL PUSH BUTTON-1 NO
CONTROL CABLE-1 LOT
SEEMLESS PIPE -1 LOT

Note: The above bill of materials is tentative only, it is bidder's responsibility to include & quote in his bid any item that will be required to complete/execute the Inert Gas clean agent system as per our requirement described in the tender.

A)Item shall be designed for

I) The system shall be a INERT GAS gaseous, clean agent fire suppression system designed to provide a uniform concentration of Clean agent for the specified area.
II) The Inert Gas clean agent system shall be automatically actuated by detection circuits. Smoke detectors shall be used with control unit. The detectors shall be alternated throughout the protected area with the system requiring two detectors in alarm prior to automatic agent release.
III) The Inert Gas clean agent system should extinguish the fire by total flooding of gaseous agent/suppression system.
IV) The Inert Gas clean agent system should be design and installed in such a way that it should be suitable with the existing system in the control room.

(B) Special terms and conditions:
1. The supplier shall go through the tender document carefully and understand fully. The supplier shall give utmost importance to quality of supplied items.

2. Bidders may inspect the site at their own cost to access the requirement of material required to install and commission the Inert Gas clean agent system as per the tender specifications. Any item not spelt out but required for completion of the job is to be supplied. The bidder must specify the same in their offer.

3. The various components of the system shall be procured from manufacturers or their authorized dealers only.

4. Authorized dealers must submit valid authorization certificate along with the quotation, otherwise offer will not be considered.

5. Supplier shall have to submit the name(s) and performance certificate(s) from user industries who procured the offered system along with the quotation.

6. The quote shall include packaging charge and net delivery at site, Duliajan, Assam.

7. In case of any damage caused to the components during transportation, supplier shall have to repair / replace the defective components at free of cost.

8. Inspection and Testing:-

OIL's representatives shall carry out inspection and testing of the system at the premises of the manufacturer prior to despatch. All the procedures as per standard including complete Control & Instrumentation system designed by the supplier for safe & efficient operation of the system should be demonstrated to OIL engineers during pre-acceptance at Suppliers works. A minimum 15 days notice is required for the same prior to date of inspection. Travel, Boarding and lodging charges for the Inspection and Testing will be borne by M/s OIL.

9. Warranty: The Bidder should guarantee the trouble free performance of the supplied systems & work executed for a period of 12 months from the date of complete system being commissioned & handed over to M/S OIL or 18 months from the date of delivery,

which ever is earlier. In case of any defect or nonperformance of the system or a component during this twelve months guarantee period the same will have to be replaced free of cost. Any damage or defect that may arise or lie undiscovered at the time of completion of job should be rectified or replaced by the Bidder at their own cost.The supplied system shall be accompanied by the guarantee bond from the supplier.

10. Documentation: The Bidder will have to supply 3 sets of as built drawings, operation & maintenance manuals along with the delivery of the items.

11. Supplier should submit the following along with the quotation:-
a) All the relevant designed drawings.
b) Bill of materials of whole system along with all accessories with manufacturer's name, catalogue no. and detailed catalogue of the offered items.

12. Installation details: -
Supplier shall submit detailed specifications and procedure for installation of the items considering the modifications required to be done. Supply of all foundation materials (Bolts, Nuts & washers etc) including floor drilling machine are in Supplier's scope.

13. Supplier shall provide complete details in the form of technical catalogues/drawings about the supplied system including maintenance procedure. Supplier shall mention about the total power requirement for the system.

14. OIL will not accept any liability for accidents to supplier's personnel and any compensation required to be paid to the supplier's personnel will be borne by the supplier. The supplier's workmen will not be entitled to free medical assistance from OIL.

15. The offer and all documents enclosed with offer should be in English language only.

16. Packing should be adequate to avoid ingress of moisture and transit damage.

17. The material to be supplied must be new and from original manufacturer with serial number and date of manufacture.

18. Equipment should be tested thoroughly before dispatch at the supplier's yard.

19. The Inert Gas Clean Agent system will be deemed to be commissioned only after installation, commissioning and minimum period of 72 hours of observation.

20. Training of Maintenance & Operation Engineers: The supplier must train two Maintenance & Operation engineer of M/s OIL at its office in India to carry out maintenance and operation activities of the Inert Gas clean agent system. Three (03) sets of training manual in CD and hard copy form must be supplied during training. The training must cover the software and hardware aspects of the system. Travel, Boarding and lodging charges for the training will be borne by M/s OIL.

21. The bidder must furnish a detailed list of similar Inert Gas clean agent system jobs carried out in other Oil/Gas/Petroleum Organizations in India/Abroad.

22. Bidder will have to undertake the guarantee for all such items supplied by them as a part of the Inert Gas clean agent system which is either bought out or imported from some other party. Bidder will have to produce documentary evidence for the same along with the supply of materials.

23. Bidder will have to ensure that all the open (items which are not proprietary of the bidder) hardware & software packages supplied by them as a part of the Inert Gas clean agent system is of latest revision & version available in the market. Bidder will have to produce documentary evidence for the same along with the supply of materials.

24. Installation, testing & commissioning of the whole Inert Gas clean agent system as well as functional testing of the complete system will have to be carried out by the Bidder to the full satisfaction of M/S OIL engineers at site which will form the basis of site acceptance test (SAT). Bidder will have to quote for the installation and commissioning charges, if applicable for our evaluation.

25. Bidder should depute adequate number of competent & qualified site personnel/workers at site to ensure smooth installation & commissioning of the new system.

26. The bidder will have to provide the item wise break-up of prices in the BOM to be submitted to OIL for evaluation. The same is a mandatory requirement for bid evaluation.

27. M/s OIL will provide 110V, 50Hz power supply for the Inert Gas clean agent system.

PAYMENT

70% of material cost shall be paid through bank against dispatch documents. Balance 30% of the material cost & 100% of installation & commissioning charges shall be paid after successful commissioning.

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.

1. **BID REJECTION CRITERIA (BRC):**

A TECHNICAL

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

1.0 The bidders must produce at least 3 (three) examples of similar jobs carried out in other Oil/Gas/Petroleum or same type of Organizations in India/Abroad.

2.0 BIDDERS must be in the relevant business of supply of Inert Gas clean agent systems in India for a period of at least last 3 (Three) years as on 01.03.2014. BIDDERS are required to produce documentary evidence for the same.

3.0 The BIDDER must be the OEM (Original Equipment Manufacturer) or its authorized dealer of Inert Gas clean agent systems with authorized service support base in India. The BIDDER other than OEM is required to produce documentary evidence for the same.

4.0 The Bid should be submitted in a proper format stating offered specification vs NIT specifications against each point. Bid in any other form will not be acceptable. The offered specification must be substantiated by the bidder's published technical catalog.

5.0 Bidder must indicate the year of launch of the offered models. Obsolete products will not be considered for evaluation. The bidder must state an undertaking that they will be able to provide essential spares necessary for a minimum period of 5 years.

B COMMERCIAL

i). **Bid security of Rs 30,000.00** shall be submitted manually in sealed envelope superscribed with BID SECURITY AGAINST Tender no. **SKI3805P15** to **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.

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) All materials as indicated in the material description of the enquiry should be offered. If any of the items are not offered by the bidders, the offer will not be considered for evaluation.

B. COMMERCIAL:

a. 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.

b. In the event of computational error between the unit price and total price, unit price shall prevail for evaluation.

c. Similarly in the event of discrepancy between the words and figure, words shall prevail and adopted for evaluation.

d. 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.

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

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