



ऑयल इंडिया लिमिटेड
(भारत सरकार का उद्यम)
Oil India Limited
(A Government of India Enterprise)

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INVITATION TO e-BID UNDER SINGLE STAGE TWO BID SYSTEM

Tender No. & Date : SGG8668P19 dated 17.07.2018

Tender Fee : INR 30,000.00 OR USD 500.00 (Non-refundable)

Bid Security : INR 8,55,200.00 OR USD 12,496.00

Bidding Type : SINGLE STAGE TWO BID SYSTEM

Bid Closing on : 30.08.2018 at 11.00 Hrs. (IST)

Bid Opening on : 30.08.2018 at 14.00 Hrs.(IST)

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

Bid Bond Validity : Bid Bond should be valid till 30.03.2019.

Performance Guarantee : Applicable @ 10% of order value.

Integrity Pact : Applicable

OIL INDIA LIMITED invites electronic bids under INTERNATIONAL COMPETITIVE BIDDING (ICB) on SINGLE STAGE TWO BID SYSTEM through its e-procurement site for the items detailed below –

Item No. Material Code	Item Description	Qty.	UoM
10	Core Flood Instrument (Technical Specification as per Annexure – AA)	1	NO
20	Installation & Commissioning (As per Annexure AA)	1	LSM

The general details of tender can be viewed by opening the eRFx [Tender] under RFx and Auctions in the e-portal through Guest Login. The details of tendered items can be found in the Item Data and details uploaded under Technical RFX. The bidding document is available in the Technical RFX -> External Area -> Tender Documents.

STANDARD NOTES:

- 1.0 The tender will be governed by “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) including Amendments & Addendum to “General Terms & Conditions” for e-Procurement.
- 2.0 This Bidding document consists of:
 - (i) Annexure AA : Technical Specification
 - (ii) Annexure BB : Bid Rejection Criteria / Bid Evaluation Criteria
 - (iii) Annexure CC : Data Sheet
 - (iv) Annexure DD : Commercial Check List
 - (v) Annexure EE(i)/(ii) : Price Schedule
 - (vi) Annexure FF : Annual Turn Over and Net Worth Certificate
 - (vii) Annexure GG : Addendum to Bid Security and Performance Security Clause
 - (viii) Annexure XII : Integrity Pact

Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) including Amendments & Addendum to “General Terms & Conditions” for e-Procurement have been uploaded separately in the Technical RFx -> External Area -> Tender Documents.

- 3.0 **Deemed export/Custom Duty benefits are not applicable against this tender and bidders should furnish prices without considering these benefits.**
- 4.0 For obtaining User ID and Password for accessing the tender document and for submission of bids, interested bidders are requested to go for Online Registration. Please visit the url: <https://etender.srm.oilindia.in/irj/portal> and click on the link ‘Supplier Enlistment for E-Tender’ for online registration and generation of user id and password. Bidders are advised to apply for user ID and password at least 7(seven) days prior to the last date of tender fee payment for their own interests. User ID’s shall be processed within 4(four) days subject to submission of complete information by the bidder. Once the registration is completed user id and password will be assigned to the bidder. The same user id and password may be used for participating in OIL’s future tender also.
- 4.1 After completion of the Online Registration process and receipt of user id and password, bidder may submit the tender fee online (Non-refundable). **Tender fee must be paid online through OIL’s payment gateway only and no other instrument (Cash/DD/Cheques/Cashier Cheque, etc) will be acceptable.** Please refer the New Vendor Manual uploaded alongwith the tender and also available in the e-portal page for procedure for submission of tender fee and EMD online. *For bidders having existing user id and password issued by OIL, same may be used for submission of bid after payment of tender fee.* On receipt of requisite tender fee, bidder will be allowed to participate in the tender through OIL’s e- Procurement portal. **No physical tender documents shall be submitted.**

NOTE: PSUs and MSME 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.

- 5.0 Bidder seeking benefits of MSME and Purchase Preference Policy (Linked with Local Content) shall clearly indicate the same in the tender with proper documents as stipulated in the tender. **The mandatory minimum Local Content (LC) requirement for claiming purchase preference linked with Local Contents under the Govt. policy against this tender is 22%.**
- 6.0 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. **Bidders who are allowed to participate against the tender as MSEs must quote their own products failing which their bids will be rejected.**

- 7.0 EMD must be paid either through online mode or submitted as Bank Guarantee/LC. No DD/Cheques/Cashier Cheque or any other mode will be acceptable.
- 8.0 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 Deputy General Manager - Materials (PL), Oil India Limited (Pipeline Headquarter), P.O. Udayan Vihar, Guwahati -781171 before 14.00 Hrs. IST on the Bid Closing Date** mentioned in the Tender.
- a) Bid Security(EMD), if submitted in the form of Bank Guarantee.
 - 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.

- 9.0 Please mention clearly in your quotation the Net. Weight, Gross Weight & Volume, Indian Agent's Name and its Commission, Payment Terms, Ocean Freight/Air Freight Charges, Port of Loading, Delivery period, Country of origin with manufacturer's name, etc.
- 10.0 Payment terms: Refer to "General Terms & Conditions" for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders).
- 11.0 Liquidated Damage: Refer to "General Terms & Conditions" for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders).
- 12.0 Bidders are requested to examine all instructions, forms, terms and specifications in the tender. Failure to furnish all information required as per the tender or submission of offers not substantially responsive to the bid in every respect will be at the bidder's risk and may result in rejection of its offer without seeking any clarifications.
- 13.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that all documents which are to be submitted in a sealed envelope are also submitted at the address mentioned in note 8.0 above before **14:00 Hrs (IST)** on the bid closing date failing which the offer shall be rejected.
- 14.0 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) including Amendments & Addendum to "General Terms & Conditions" for e-Procurement. However, if any of the clause of the Bid Rejection Criteria/Bid Evaluation Criteria (BEC/BRC) contradicts the clauses in the General Terms & Conditions of the tender and/or elsewhere, those mentioned in the BEC/BRC shall prevail.
- 15.0 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 may be summarily rejected.
- 16.0 OIL INDIA LIMITED (OIL) has upgraded its E-tender Portal. As part of the new system, the intending bidder must have Encryption Certificate along with Digital Signature Certificate (DSC) of Class III [Organization]. **All the Bids must be Digitally Signed using "Class III" digital certificate (e-commerce application) with 'Certificate Type: Organisation Certificate' 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 with Organisation's Name" digital certificate, will be rejected.**
- 17.0 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 Price Schedule 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.

- 18.0 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 Price Schedule can be uploaded as Attachment under the attachment option under “Notes & Attachments”.

Notes and Attachments

→ Only price details should be uploaded

Technical attachments

→ All technical bid documents except price details

Bidders are requested to go through the ‘New Vendor Manual’, ‘Guidelines to Bidders for participating in OIL e-tenders’, ‘New Instruction to bidders for submission of bid’ and ‘Vendor User Manual for e-tendering’ available in the e-portal home page before submitting offer in system



- 19.0 **Priced bids of only those bidders will be opened whose offers are found to be techno-commercially acceptable.**
- 20.0 **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. **The name of the OIL’s Independent External Monitors at present are as under:**

SHRI RAGHAW SHARAN PANDEY, IAS (Retd.),
Former Secretary, MOP & NG,
e-Mail ID: rspandey_99@yahoo.com

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

SHRI JAGMOHAN GARG,
Ex-Vigilance Commissioner, CVC
e-Mail id: jagmohan.garg@gmail.com

- 21.0 **No press advertisement will be published regarding amendment to Bidding Document or extension of Bid Closing Date. The same will be uploaded in OIL's website and informed to all prospective bidders who have received the bidding documents. Bidders to keep themselves updated.**

Sd-
(M.B. SINGHA)
SR. MANAGER MATERIALS (PL)
FOR GENERAL MANAGER (MATERIALS)PL
FOR: CHIEF GENERAL MANAGER (PLS)

TECHNICAL SPECIFICATION**Specifications of Core Flood Instrument****1.0 SCOPE**

The Core flood system should be modular equipment and cover the requirements as per the specifications, type, guidelines and physical parameters for its procurement, including all consumables for at least 2(two) years smooth operations to run the equipment efficiently.

2.0 APPLICATION

The equipment shall be used to carry out various water, CO₂ and chemical flooding experiments including polymer flooding, Alkaline-Surfactant flooding at reservoir conditions in order to assess EOR methods. Change in permeability, displacement efficiency and incremental oil recovery due to chemical or CO₂ injection must be determined.

3.0 GENERAL

3.1 The Core flood equipment should be equipped with suitable computer and all relevant software for monitoring, controlling different functions of equipment, data acquisition, display, storing of data, calculation and reporting facility.

3.2 All wetted parts of the Core flood equipment (including core holder, accumulators, back pressure regulator, lines, valves etc.) should be corrosion resistant made from Hastelloy and suitable for use with brine, oil, CO₂ and chemicals.

4.0 POWER SUPPLY

230 ± 10% volts, 50hz single phase AC

5.0 TECHNICAL SPECIFICATIONS

5.1 Pore Pressure Syringe Pump: 1 set of dual and single syringe pumps (unsteady state flow)
Dual cylinder type fitted with automatic valves, feeding tank & outlet. It should be configured to run continuously in automated mode.

5.1.1 Cylinder volume: 250 cc ± 10% (Two cylinder pumps, each of 250 cc ± 10% for continuous flow)

5.1.2 Pressure: up to 9000 psi

5.1.3 Flow rate: 1 cc/hr to 500 cc/hr (or 0.01 to 8 ml/min)

5.2 Floating Piston Accumulators: Two Sets

Used for oil, water and CO₂. Accumulators are to be mounted in air bath.

5.2.1 Type: Floating piston

5.2.2 Displaced Volume Capacity: 1,000cc

5.2.3 Working Pressure: Up to 6000 psi

5.2.4 Wetted parts: Hastelloy

5.2.5 Seals: Suitable for use with above fluids

5.3 Floating Piston Accumulators with magnetic coupled mixer: Two Sets

Used for polymer solution & surfactant. Accumulators are to be mounted in air bath. A mixer inside the fluid sample chamber must be provided to stir the fluid under pressure and temperature conditions.

5.3.1 Type: Floating piston

5.3.2 Displaced Volume Capacity: 1000cc

5.3.3 Working Pressure: Up to 6,000 psi

5.3.4 Wetted parts: Hastelloy

5.3.5 Mixer speed: Variable, up to 1,000 RPM or more

5.3.6 Seals: Suitable for use with above fluids

5.4 Core Holders for Horizontal flow – Hydrostatic: Two sets (one of 1.0-inch dia. and other of 1.5-inch dia.)

5.4.1 The core holder should be able to hold core plugs of length 12-18 inches in length (length should be adjustable between 12" and 18") with diameter of 1.5 inch and 1.0 inch. The unit shall incorporate a temperature probe to

- monitor the sample temperature. Although at a time only one core holder shall be used, core holder should be movable from and to the oven so that either of the coreholder can be used when required. Wetted parts should be made of Hastelloy.
- 5.4.2 Plain sleeves of 1.5 inch and 1.0 inch, up to 18 inches in lengths. Quantity: Total 20 numbers (15 numbers of 1.5 inch and 5 numbers of 1.0 inch)
 - 5.4.3 Teflon jackets of 1.5 inch and 1.0 inch, up to 18 inches in lengths for CO₂ use. Quantity: Total 40 numbers (20 numbers each)
 - 5.4.4 Pressure tapped sleeves of 1.5-inch diameter and 1.0 inch, up to 18-inch length with two pressure taps located at 4 inch and 8 inch from the end. Quantity: Total 10 numbers (5 numbers each)
 - 5.4.5 Confining pressure: Up to 10,000 psi
 - 5.4.6 Pore Pressure: up to 9000 psi
 - 5.4.7 Working Temperature: Up to 150°C
 - 5.4.8 The core holder is to be placed in temperature controlled air bath
 - 5.4.9 Position: Horizontal
 - 5.4.10 Two pressure taps along the core length at 4 inch and 8 inch to monitor differential pressure along the core and pressure taps.
- 5.5 Automated Confining Pressure System (Hydrostatic) using syringe Pump:
The pump must maintain constant confining pressure and constant differential pressure between the pore and confining pressures. Must be computer-controlled. Quantity: One set
- 5.5.1 Confining Pump volume: 250 cc
 - 5.5.2 Confining Pump Pressure: 10,000 psi \pm 0.1% of full scale
 - 5.5.3 Wetted part: Hastelloy
- 5.6 Air Bath: One set
- 5.6.1 Working Temperature: Ambient to 150 degreeC , \pm 2 degrees
 - 5.6.2 Temperature display: Digital controller
 - 5.6.3 Facility for mounting core holder of at least 18 inches length and up to three accumulators for conducting the flow studies
- 5.7 Automated Digital Back Pressure Regulator System with BPR syringe Pump: One set
- 5.7.1 Dome load back pressure regulator with wetted parts made in Hastelloy.
 - 5.7.2 BPR pressure: up to 9,000 psi
 - 5.7.3 Single cylinder BPR pump to set the back pressure at pre-defined value. The pump must be computer – controlled.
 - 5.7.4 BPR Pump volume: 1 x 250 cc
 - 5.7.5 BPR Pump Pressure: Up to 6,000 psi \pm 0.1% of full scale
- 5.8 ADDITIONAL ITEMS**
- 5.8.1 Fraction Collector for gas/liquid: The fraction collector must be capable of sampling liquid and gas phases simultaneously after the back pressure regulator. The unit should be interfaced to the computer. Quantity: One set.
Collection mode of outlet samples: Preferably automatic time/ drop mode.
Test tubes: Graduated tubes of 10cc, 20 cc and 50 cc each
No of tubes: Min 40 nos for each size
 - 5.8.2 Wet Gasmeter: One set
The wet gas meter should allow precise measurements of produced gas at ambient conditions. The unit should be connected to all burettes of the fraction collector. The meter should be equipped with thermometer, spirit level, levelling feet and gas connections
Maximum capacity: up to 99.999 liters
Flow range: 30 to 90 liter per hour \pm 0.5%
Scale: 0.001 dm³
Maximum pressure: 65 mbar
 - 5.8.3 PH Meter: One set
Inline pH meter for monitoring effluent pH as a function of time. The PH meter should be interfaced to the computer.

- 5.8.4 Vacuum pump: One set
Double stage rotary pump to generate a vacuum. Flow rate of 2.5 m³/h and pressure upto 10-3 mbar.
- 5.8.5 On-line densitometer: One set
Digital densitometer high pressure, high-temperature cell covering the range of fluid densities i.e. 0 to 3 gm/cm³. The density cell shall be mounted between the core holder and the back pressure regulator. Maximum operating temperature and pressure are 150°C and 6,000 psi, respectively. The apparatus to be controlled through the software. All wetted parts to be in Hastelloy.
- 5.8.6 Floating Piston Accumulators: One set
Capacity: 1000cc
Pressure: 6000 psi
Wetted material: Stainless steel
- 5.8.7 Transparent transfer vessel: Two set
Transparent fluid vessel for the transfer of the fluid such as brine and chemicals into the floating piston accumulators. Fluid transfer by applying air pressure to the fluid.
Volume: 1 liter
Pressure: 30 psi or more
Material: Polycarbonate
- 5.8.8 Oven for produced fluid measurement: One set
A dedicated oven to keep the fraction collector at constant temperature up to 50°C.
- 5.8.9 Gas booster: One set
A dedicated gas booster compatible with CO₂ gas to pressurize low pressure into high pressure gas up to 10,000 psi.
- 5.8.10 Core saturator: One set
A complete set up for core saturation including dedicated a vacuum pump, high pressure saturation cell up to 2,000 psi, high pressure pump and control panel.
- 5.9 Pressure Measurement System:
- 5.9.1 High-accuracy relative pressure transducers to precisely measure the upstream, downstream and the two intermediate tap pressures along the core sample.
Quantity: Four sets,
Model: Quartzdyne or equivalent,
Accuracy: 0.01%
Range: 6,000 psi
- 5.9.2 Two relative pressure transducers to measure the confining and set back pressures.
Quantity: Two sets
Accuracy: 0.1%
Range: 6,000 psi
- 5.10 Data Acquisition Facilities: One set
The state of art computer facilities with interface for recording/logging the experimental data during the studies.
- 5.10.1 Computer Specifications:
- Branded PC with latest windows operating system, color Laser printer and fully compatible with the software installed for measuring all the parameters mentioned.
 - Additional requirements: Intel® Core i7, 3.4 GHz (Base Frequency) or higher, 8 MB Cache, 4 cores OR equivalent.
 - RAM: Memory: 8-GB (2 X 4GB) DDR3 SDRAM OR better
 - Hard drive: 1 TB or OR better
 - DVD: Read and Write
 - Monitor: two sets of minimum 21" screen size color monitor

- (v) Software for data acquisition, supervision and reporting facilities: Acquisition of raw data measurements such as temperature, pressure, differential pressure, volume and flow rate.
 - (vi) Continuous display of measurements vs. time in the form of trends and value grids.
 - (vii) Measurement logging in the computer for further compilations.
 - (viii) Printout facilities.
 - (ix) Supervision facilities displaying the general synoptic of the system and indicating the status of each main component, the values of the measurement and set points.
 - (x) Computer-controlled fault diagnoses.
 - (xi) Monitoring facilities.
 - (xii) Operational Control and Safety Device:
 - (a) All temperature and pressure controls should be displayed and have built in safety system.
 - (b) Pressure and Temperature controllers to be provided with computer interface for continuous data logging/accumulation.
- 5.11 **Consumables:** Vendor should provide the following consumables for smooth and trouble free operations of the equipment:
- 5.11.1 5 ea seal kits for core holder
 - 5.11.2 10 ea seal kits for injection pump
 - 5.11.3 10 ea seal kit for accumulator
 - 5.11.4 2 ea seal kit for BPR pump 2 ea seal kit for confining pump
 - 5.11.5 5 ea seal kit for BPR
 - 5.11.6 1 ea set of maintenance tools
 - 5.11.7 5 ea fuses 2 m of tubing 1/8"
 - 5.11.8 10 ea ferrules 1/8"
- 5.12 **Valves and tubing:**
- (i) All wetted parts including valves, tubing lines, Tees, connectors must be in Hastelloy.
 - (ii) The system shall include automatic valves controlled by the computer station.
 - (iii) Quantity: One set
- 5.13 **Maintenance Requirement:**
- (i) One set of all the special tools relevant for usage and repair/maintenance of the equipment to be provided.
 - (ii) A complete system should be quoted to enable chemical flood studies as per scope and application with all required accessories.
- 6.0 ESSENTIAL ACCESSORIES:**
- All the necessary accessories e.g. software/ hardware required for smooth and complete functioning of the unit to be included in the quote.
- 7.0 RELIABILITY AND PERFORMANCE REQUIREMENTS:**
- (i) The life expectancy of the major components of the system should be at least for 10 years.
 - (ii) Product/service support along with uninterrupted and timely supply of spare parts for at least 10 years for the quoted model must be specifically ensured by the bidders/ representatives.
- 8.0 INSTALLATION, COMMISSIONING & TRAINING:**
- (i) The supplier will be responsible for on-site installation and commissioning of equipment at customer's premises viz. Centre of Excellence for Energy Studies, O.I.L., Rukminigaon, Guwahati, within one month from the date of intimation given to him or his representative regarding readiness of the equipment for installation at the site.
 - (ii) OIL representative may visit the original equipment manufacturer (OEM) site for PDI (pre dispatch inspection). All to & fro charges, boarding /lodging of OIL personnels shall be borne by OIL. Bidder not to include the same in their quote.
 - (iii) It may be noted that a representative from OEM should visit CoEES, Guwahati during installation/commissioning of the equipment. **Bidder shall arrange for to & fro travel to the installation site, local conveyance and boarding & lodging during the installation. All charges shall be borne by the**

bidder and should be quoted accordingly separately which shall be inclusive of GST and all other taxes including Income Tax/Corporate Tax/ Personal Tax to be deducted at source.

- (iv) A certificate will be issued by the authorised representative of OIL regarding satisfactory installation and commissioning of the equipment and about the system acquaintance by way of work association by the supplier.

8.1 **Training:**

Two scientific staff of OIL must be trained by the application specialist of the bidder on the operation and routine maintenance of the instrument for five (5) days at CoEES, Guwahati after the successful installation and commissioning of the instrument at “free of cost”.

OIL may also depute its scientific staff for training on the operation and maintenance of the instrument at OEM’s factory. Provision should be kept to provide “free of cost” training to two persons for five days or one person for ten days at OEM’s factory. **However, to and fro and board and lodging for OIL’s staff will be borne by OIL.**

9.0 **GENERAL**

The original equipment manufacturer (OEM) should confirm in writing that the spares for the quoted model will be available for a period of ten years after installation of the instrument. In case the OEM is bidding through an Indian agent, the OEM should give a written undertaking that they will be responsible for providing the warranty and annual maintenance as per the clauses above, even if there is a change in the Indian agency of the manufacturer. The undertaking from OEM should also include that, if in future, OEM does not have any Indian agency, the service will be provided directly by the service engineer of the OEM without any extra charge. Printed documents in support of claimed specification should be provided. System should be upgradeable at site for future applications.

10.0 **DOCUMENTATION:**

10.1 All the documents are to be provided in English language.

10.2 At the time of offer

- (i) Literature in support of the offered equipment: 2 sets.
- (ii) List of users worldwide to whom the equipment was sold during the last five years.

10.3 Required undertaking from Manufacturer

- (i) Manufacturer’s Certificate: Document evidence such as POs along with invoice / installation report for manufactured and supplied at least 05 units during the last 10 years.
- (ii) Manufacturer’s Experience: Document evidence such as POs along with invoice / installation report for manufactured and supplied at least 01 unit beyond last 05 years.

10.4 At the time of supply.

- (i) Certificate of recent manufacture
- (ii) Certificate of Warranty
- (iii) Certificate of test and inspection with Third Party.
- (iv) Operation manual: 2 sets on CD/DVD ROM.
- (v) Repair and maintenance manual with all the electric/electronic circuit diagrams: 2 sets
- (vi) Parts catalogue: 2 sets.
- (vii) Trouble shooting manual with detail blocks diagram and circuit diagram of cards up to component level.

11.0 **CONFORMITY TO TENDER SPECIFICATIONS:**

11.1 The bidder must fill the Technical Datasheet enclosed with the offer (Annexure - CC)

11.2 The technical specifications must conform to the requirements as mentioned in Specifications.

11.3 The bidder must confirm that the offered unit/goods are newly manufactured.

11.4 The bidder offering other than the specified make of the equipment will be rejected.

11.5 For any bought out item their Catalogue/Technical literature etc. showing sectional drawing of each component along with the necessary maintenance spare parts, identification number etc. shall be provided.

11.6 The bids and the accompanied technical documentation must be in English language only. The bids other than English language must have an English version.

11.7 The technical documents to be submitted along with the bid shall include -

- a) Literature with detailed specifications, Make & Model of items.
- b) Technical documents & Layout/Process flow diagram of the whole system.

- c) Piping & Instrumentation Diagram (P&ID) for Instrumentation and Control System
- 11.8 The bidder shall quote separately Installation/commissioning cost, if any.
- 11.9 The bidder must confirm that the offered Core Flood System shall perform at the desired level as mentioned in the specifications.
- 11.10 Bidder's response to all tender stipulations should clearly be defined. Bidder shall furnish specific details/specifications of all major components, systems with Make & Model, etc. Generalized response like "As per NIT Specifications/Technical Leaflet", "Noted", "and Accepted" or in any similar fashion is not acceptable.
- 11.11 The priced bid should clearly indicate the following cost break up:
 - a) Cost of the Complete Coreflood System
 - b) Cost of installation/commissioning, if any.
 - c) Cost of AMC for three years after expiry of warranty.
- 11.12 The commercial bid will be evaluated based on the price quoted for 11.11 a), 11.11 b) and 11.11 c) as a whole.
- 11.13 The supplier should also submit a list of companies to whom similar systems have been sold and are presently in operation.

NOTE: ALL THE POINTS FROM 1.0 TO 11.0 HAVE TO BE SUPPORTED BY LITERATURE OR CLEARLY STATED ALONG WITH CATALOGUE/ LITERATURE OF THE PRODUCT FOR EVALUATION OF THE BID.

12.0 TECHNICAL TERMS & CONDITIONS:

12.1 THREE YEARS AMC OF CORE FLOOD APPARATUS

OIL may decide to go for Annual Maintenance Contract for a period of three years after the warranty period is over. Charges for the Annual Maintenance Contract (AMC) for three years, after the warranty period is over, should be quoted with year-wise break up. These charges will be used for evaluation purposes only. The AMC requirements are mentioned below. However, the detailed and final scope for the AMC shall be as per contract of AMC at the time of awarding AMC contract.

12.2 SPECIAL TERMS & CONDITIONS:

- 12.2.1 The AMC shall come into effect after warranty period of the equipment.
- 12.2.2 The service contract will remain in force for three years w.e.f. date of acceptance of AMC contract.
- 12.2.3 The job will be certified by CGM, CoEES, OIL India Ltd
- 12.2.4 The payment will be released after each preventive maintenance visit on the instrument. It shall be certified and verified for the payment by CGM, CoEES, OIL on each of the bill copy.
- 12.2.5 OIL will not provide any accommodation or to and fro fare to the engineer deputed for preventive and breakdown maintenance.
- 12.2.6 The service agency will always depute trained service engineers with necessary tools and kits for servicing of instruments.
- 12.2.7 The bill should be submitted in triplicate in favour of CGM, CoEES, OIL India Ltd, Rukminigaon, Guwahati, Assam
- 12.2.8 **Non Performance Deductions (NPD):**
 - (i) If Preventive Maintenance is not carried out by the CONTRACTOR within the time schedule as agreed through mutual consent, the NPD shall be made for amount equivalent to 10% of the Annual contract value.
 - (ii) In case of the Breakdown Maintenance/Repair, contractor's service engineer has to report within one week from the time of sending Phone / Fax / Email to the contractor. In case of failure to report within the stipulated time, NPD shall be made @ ½ % of contract value per week or part thereof for delay in reporting, subject to a ceiling of 7.5% of total one-year contract price.

12.3 COMMITMENTS OF THE SPARES

- 12.3.1 The bidders must submit a written undertaking that they would be able to supply all the requisite spares and consumables for a minimum period of 10 (ten) years from the Certified date of completion/successful field commissioning of the unit.
- 12.3.2 **The bidders must provide the commissioning spares at their cost along with the Equipment.** They must submit a list of such spares.
- 12.3.3 **Spares list for whole unit for 3-years trouble free operation must be quoted in their bids.** The spare list shall contain the details of part nos., name OEM and other details as may be necessary for procurement of the parts quoted. While quoting for these spares the bidders must take in to account the consumption pattern of the spares as deemed fit. **However, the same will be not considered for bid evaluation.** OIL reserves the right to

decide to procure the whole of the quoted spares or part thereof. It is to be noted that the price quoted shall remain firm during this 3(Three)years period.

12.4 TECHNICAL CHECK LIST

The enclosed technical checklist (supplied in Hard Format) must be completed and returned with bidder's offer. Bidders must ensure that all these points are covered in the offer. Bidders to tick mark in 'Comply' or 'Not Comply' column against each point mentioned and mention the details if not comply.

BID REJECTION CRITERIA/ BID EVALUATION CRITERIA**GENERAL CONFORMITY**

The bid shall conform generally to the specifications and terms and conditions given in the Tender Document. Bids will be liable for rejection in case materials/services offered do not conform to the required parameters stipulated in the technical specification. Notwithstanding the general conformity of the bid to the stipulated specifications, the following mandatory requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected. All documents related to BRC must be submitted along with the Techno-Commercial Bid.

(I) BID REJECTION CRITERIA**(A) TECHNICAL**

1. The core holders provided with the equipment must be able to hold cores of length 12-18 inches (variable size).
2. The wetted parts of the Coreholder must be of Hastelloy material.

1.0 BIDDER'S QUALIFICATION:

- i) The bidder shall be an Original Equipment Manufacturer (OEM) having experience in manufacturing of such Coreflood System.
OR
- ii) The bidder shall be an authorized dealer of OEM, the latter having requisite qualification as mentioned above.

2.0 BIDDER'S EXPERIENCE:

- i) The bidder must have sold at least (5) five coreflood systems within last 10 (Ten) years preceding the original bid closing date of the tender anywhere in the world and out of them at least one should have core holders made of Hastelloy and able to accommodate cores of length 12-18 inches. The OEM's (Original Equipment Manufacturer) documentary evidence in this regard must be provided in the form of copy of Purchase Order and Commissioning Report/ Completion Certificate from the Clients along with the bid or any other document which can substantiate their claim for completion of the job.
- ii) In case of authorized dealer, the Bidder must be in the business of supply, installation and commissioning of identical Coreflood System in the last 10 (Ten) years preceding the original bid closing date of this tender. As a proof of evidence, the Bidders must furnish a list of installations carried out by them including customer contact details. The bidder shall submit the valid authorization certificate in original from the OEM along with the bid, failing which offer will be rejected. The OEM must have experience of manufacturing of Core Flood System. The OEM's (Original Equipment Manufacturer) documentary evidence in this regard must be provided in the form of copy of Purchase Order and Commissioning Report/Completion Certificate from the Clients along with the bid or any other document which can substantiate their claim for completion of the job.

3.0 DELIVERY PERIOD:

Indian Bidders: Delivery to be completed within 7(Seven) Months on FOR Destination basis from the date of LOA/Purchase Order. The date of receipt of goods at site shall be considered as the date of delivery.

Foreign Bidders: Delivery to be completed within 6(Six) Months on FOB International Sea Port of Exit basis from the date of LOA/Purchase Order. The date of clean bill of lading shall be considered as the date of delivery.

Installation & Commissioning: Installation & Commissioning to be completed within 15 days from the date of receipt of intimation from OIL.

(B) FINANCIAL:

- 1.0 Annual Financial Turnover of the bidder during any of preceding three financial/accounting years from the original bid closing date should be at least INR 2,13,80,000.00
- 1.1 **Net worth** of bidder must be positive for preceding financial/ accounting year.
- 2.0 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
(as the case may be) has actually not been audited so far.

Notes:

- 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 FF**
 - OR
 - ii) Audited Balance Sheet along with Profit & Loss account.
- b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.
- 3.0 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 on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA Certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US\$.

(C) COMMERCIAL

- 1.0 Bids are invited under **SINGLE STAGE TWO BID SYSTEM**. Bidders shall quote accordingly.
- 2.0 **Bid security of INR 8,55,200.00. OR USD 12,496.00 shall be furnished as a part of the bid.** Any bid not accompanied by a proper bid security in ORIGINAL will be rejected without any further consideration. For exemption for submission of Bid Security, please refer "General Terms & Conditions for Global Tenders (ICB)" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 (For e-tenders) including Amendments & Addendum to "General Terms & Conditions for Global Tenders" for e-Procurement. **The Bid Security shall be valid till 30.03.2019.**
- 3.0 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 dispatch or 12(twelve) months from the date receipt of materials at site against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplier's expenses at no extra cost to OIL.

- 4.0 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.
- 5.0 **Validity of the bid shall be minimum 120 days from the Original Bid Closing date. Bids with lesser validity will be rejected.**
- 6.0 All the Bids must be Digitally Signed using Class III digital certificate (e-commerce application) with **'Certificate Type: Organisation Certificate'** 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.**
- 7.0 Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Bank Guarantee must be valid till 3(three) months beyond the Warranty Period to be indicated in the Purchase Order. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.
- 8.0 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.
- 9.0 Bids containing incorrect statement will be rejected.
- 10.0 No offers should be sent by Telex, Cable, E-mail or Fax. Such offers will not be accepted.
- 11.0 The following points are deemed as "non-negotiable" and offer shall be rejected straightaway without seeking clarification:
- i. Validity of bid shorter than validity indicated in the tender.
 - ii. Original Bid Security not received within the stipulated date and time mentioned in the tender.
 - iii. Bid security with (a) Validity shorter than the validity indicated in tender and/or (b) Bid security amount lesser than the amount indicated in the tender.
 - iv. In case the party refuses to sign Integrity Pact.
- 12.0 Bidder must 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. Guarantee of material
 - iii. Arbitration / Resolution of Dispute
 - iv. Force Majeure
 - v. Applicable Laws
- 13.0 **DELIVERY ADDRESS: The equipment is to be delivered and installed at the following address -**
- CENTRE OF EXCELLENCE FOR ENERGY STUDIES,
OIL INDIA LIMITED, RUKMINIGAON,
G. S. ROAD, GUWAHATI,
ASSAM, INDIA
PINCODE: 781022, STD: 0361
PHONE/FAX: 2262555, email: coe@oilindia.in**
- 14.0 **PRICE SCHEDULE:**
- Bidder shall submit the Price Break up as per Annexure EE (i) or (ii) as applicable. Bidders should fill up the annexures, sign and upload under "Notes & Attachments" > "Attachments" only.**
- 14.1 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 the Bid Evaluation Criteria given below:

FOREIGN BIDDERS:

1. Basic Material Value including TPI, if any
2. Pre-despatch Inspection Charges, if any
3. Packing & FOB Charges
4. **Total FOB Value (1+2+3)**
5. Ocean Freight Charges upto Kolkata, India
6. Insurance Charges @0.5% of Total FOB Value vide (4) above
7. Banking Charges @1% of Total FOB Value vide (4) above in case of payment through Letter of Credit (L/C). If Confirmed L/C at buyer's account is required, 1.5% of Total FOB Value will be loaded.
8. **CIF Value (4+5+6+7)**
9. Landing Charges @1% on (8)
10. **CIF Landed Value (8+9)**
11. Basic Custom Duty (Including Cess, If any) on 10
12. **CIF Landed Value + CD (10+11)**
13. IGST (Including Cess, if any) on 12
14. Compensatory Cess on 13, if any
15. **CIF Landed Value+CD+IGST+Compensatory Cess(12+13+14)**
16. Installation & Commissioning Charges
17. GST on Installation & Commissioning Charges
18. AMC Charges (1st year, 2nd year and 3rd year to be shown separately)
19. GST on AMC Charges
20. **Total Value (15+16+17+18+19)**

DOMESTIC BIDDERS:

1. Basic Material Value including TPI, if any
2. Pre-despatch Inspection Charges, if any
3. Packing & Forwarding Charges, if any
4. **Total Ex-Works Value (1+2+3)**
5. GST on Total Ex-Works Value (4)
6. Compensatory Cess, if any
7. **Total FOR Despatching Station Value (4+5+6)**
8. Freight Charges upto destination, Guwahati
9. GST on Freight Charges (8)
10. Insurance Charges @0.5% of (7) inclusive of GST
11. Installation & Commissioning Charges
12. GST on Installation & Commissioning Charges
13. AMC Charges (1st year, 2nd year and 3rd year to be shown separately)
14. GST on AMC Charges
15. **Total Value (7+8+9+10+11+12+13+14)**

14.2 COMPARISON OF OFFER:

- (i) When only foreign bidders are involved: Comparison will be done on Total value vide Srl. no. 20.
- (ii) When both Foreign and Domestic Bidders are involved: Comparison will be done on Total Value vide Srl. no. 20 of Foreign Bidder and Total Value vide Srl. no. 15 (excluding Sl. No. 8, 9 and 10) of domestic bidder.
- (iii) When only domestic bidders are involved: Comparison will be done on Total Value vide Srl. no. 15 of Domestic bidder.

14.3 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.

14.4 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.

- 14.5 Deemed export/Custom Duty benefits are not applicable and bidders should furnish prices without considering these benefits.
- 14.6 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.
