



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 : SGG9814P19 dated 20.11.2018

Tender Fee : Not applicable

Bid Security : INR 4,40,000 or USD 5,950.00

Bidding Type : SINGLE STAGE TWO BID SYSTEM

Bid Closing on : 10.01.2019 at 11.00 Hrs. (IST)

Bid Opening on : 10.01.2019 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 09.08.2019.

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	PcRI Instruments (<i>Technical Specification as per Annexure – AA</i>)	1	NO
20	Installation & Commissioning (<i>As per Annexure AA</i>)	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 : Technical Data Sheet
 - (iv) Annexure DD : Commercial Check List
 - (v) Annexure EE : Price Schedule
 - (vi) Annexure FF : Annual Turn Over and Net Worth Certificate
 - (vii) 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 Bidders without having E-tender Login ID and Password should complete their online registration at least 7(seven) days prior to the scheduled bid closing date and time of the tender. For online registration, Bidder may visit the OIL’s E-tender site <https://etender.srm.oilindia.in/irj/portal>.
- 4.0 Necessary Login ID & Password will be issued by OIL only after submitting the complete online registration by the Bidder. In the event of late registration/incomplete registration by Bidder, OIL INDIA LIMITED shall not be responsible for late allotment of User ID & Password and request for bid closing date extension on that plea shall not be entertained by Company.
- 5.0 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.**
- 6.0 MSEs Units (manufacturers/Service Providers only and not their dealers/distributors) who are already registered with District Industry Centers or Khadi & Village Industries Commission or Khadi & Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts & Handloom or any other body specified by Ministry of MSME are exempted from payment of Bid Security (EMD) irrespective of monetary limit mentioned in their registration, provided they are registered for the item they intend to quote/participate.
- 7.0 For availing benefits under Public Procurement Policy (Purchase preference & EMD exemption), the interested MSE Bidders must ensure that they are the manufacturer/service provider of tendered item(s) and registered with the appropriate authority for the said item(s). Bids without EMD shall be rejected, if the technical offer does not include a valid copy of relevant MSE Certificate issued by appropriate authority specifying the item as per tender. Therefore, it is in the interest of such MSE Vendors to furnish a copy of complete certificate to the concerned tender handling officer of OIL at least seven (7) days prior to the scheduled Bid Closing Date of the tender; seeking clarification/confirmation as to whether their registered item is eligible for EMD exemption or not. Late communication in this regard and request for bid closing date extension on that plea shall not be entertained by Company.
- 8.0 **Purchase Preference (Linked with Local Content) (PP-LC) is applicable in this tender.** Bidders to note that Ministry of Petroleum & Natural Gas, Government of India implemented PPLC Policy to provide Purchase Preference (linked with local content) by notification no. Ref. O-27011/44/2016-ONG-II/FP dtd.25.04.2017. A new clause on applicability of Purchase Preference (linked with local content) policy is incorporated in the Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) and Amendments & Addendum to “General Terms & Conditions” for e-Procurement. Bidders are requested to take note of the same and to

submit their offers accordingly wherever applicable. **The mandatory minimum Local Content (LC) requirement for claiming purchase preference linked with Local Contents under the Govt. policy against this tender is 22%.**

- 9.0 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.
- 10.0 The items covered by this enquiry shall be used by Oil India Limited in DSIR registered and recognized in-house Laboratory of R&D Department and eligible for exemption of customs duty. Essentiality Certificate for availing customs duty exemption for import of item/equipment meant for R&D purpose shall be issued by GENERAL MANAGER (R&D) as and when required. Moreover, concessional IGST during import will be applicable. Indigenous bidder shall be eligible for concessional rate of GST against Essentiality Certificate for invoice valuing INR 10 lakh and above.

Supplier shall arrange to provide all necessary documents to apply for the essentiality certificate on receipt of request from OIL, if any. Further, supplier shall affect dispatch only on receipt of relevant certificates from OIL, failing which all related liabilities shall be to Supplier's account.

- 11.0 EMD must be paid either through online mode or submitted as Bank Guarantee/LC.
- 11.1 OIL has made arrangement for online confirmation of Bank Guarantee through SFMS Platform with Axis Bank, Guwahati. Therefore, bidders submitting Bid Security in the form of Bank Guarantee must route the BG through SFMS platform as per following details –
- a. (i) MT 760/MT 760 COV for issuance of bank guarantee
(ii) MT 767/MT 767 COV for amendment of bank guarantee*

The above message/intimation shall be sent through SFMS by the BG issuing bank branch to Axis Bank, Guwahati Branch, IFS Code – UTIB0000140, Branch Address – Axis Bank Ltd., Guwahati Branch, Chibber House, G.S. Road, Dispur, Assam, Pin – 781005.

- b. The Bidder shall submit to OIL the copy of SFMS message as sent by the issuing bank branch along with the original bank guarantee.*
- 11.2 **Bank Guarantee issued by a Scheduled Bank in India at the request of some other Non-Scheduled Bank in India shall not be acceptable.**
- 12.0 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.
- 13.0 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.

- 14.0 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.
- 15.0 Payment terms: Refer to "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders).

- 16.0 Liquidated Damage: Refer to “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders).
- 17.0 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.
- 18.0 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 13.0 above before **14:00 Hrs (IST)** on the bid closing date failing which the offer shall be rejected.
- 19.0 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.
- 20.0 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.
- 21.0 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.**
- 22.0 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.
- 23.0 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



24.0 **Priced bids of only those bidders will be opened whose offers are found to be techno-commercially acceptable.**

25.0 **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

26.0 **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**TECHNICAL SPECIFICATION OF CAPILLARY PRESSURE AND RESISTIVITY INDEX SYSTEM (Pc/RI)****1.0 GENERAL FEATURE**

The Pc/RI system should be capable of simultaneously determining on rock samples, the capillary pressure - air/water or oil/water saturation relationship, by virtue of the porous plate method, as well as the rock and fluid electrical properties via the two-point method. Samples can be subjected to moderate temperature and high reservoir-representative confining pressure. The system should be capable of measuring following parameters:

- Brine resistivity
- Capillary pressure (porous plate)
- Saturation Exponent "n"
- Resistivity Index "RI"
- Formation Factor "FF"
- Cementation Coefficient "m"

Working mechanism: A cylindrical sample fitted in a Viton sleeve, is inserted into the core holder and the desired confining pressure is applied. The drainage process is achieved by injecting pressurized gas/oil into the core. At a particular injection pressure, the gas/oil will displace a specific quantity of water. A semi-permeable porous plate, placed on the bottom of the core (outlet) enables desaturation at specified pressure increments while retaining the gas/ oil phase. The amount of water produced is recorded in a volumetric burette placed at the core holder outlet. The capillary pressure corresponds to the measured pressure drop across the sample, while the electrical properties are determined from a two-electrode resistivity meter. The imbibition on the other hand is achieved by injecting pressurized water into the core.

2.0 SCOPE

The core holder of Pc/RI system should be fully equipped with a pore pressure control panel, heated electrical core holder, produced fluid glass separator, set of valves and tubing, confining pressure pump, data acquisition system and spare parts.

3.0 TECHNICAL SPECIFICATIONS

- 3.1 The Maximum Pore pressure should be at least 1000 psi.
- 3.2 The Maximum Confining pressure should be at least up to 5000 psi.
- 3.3 The Maximum sample temperature should be at least up to 120°C
- 3.4 The Core sample to be tested should be of diameter 1.5"(inches) and Core Length: 1" to 3".
- 3.5 Test Fluid: Gas/Liquid, Liquid/liquid
- 3.6 Pc Measuring cycle: forced drainage and spontaneous/forced imbibition
- 3.7 Resistivity measurement: 2 electrodes
- 3.8 Resistance accuracy should be 0.1%
- 3.9 All wetted part material should be of Stainless steel
- 3.10 Fluid types: Stock tank oil, Lab-oil, Brine, Nitrogen gas. The system should work on nitrogen gas of up to 300 psi pressure.
- 3.11 Power supply: 220 VAC, 50 Hz
- 3.12 Pore pressure control panel:
Each sample's pore pressure should be regulated by a dedicated control panel. The control panel should comprise flow valves with manometers, a gas humidifier, digital pressure transducers and temperature sensors.
- 3.13 Electrical core holder:
The heated electrical core holders should be mounted on a rack equipped with insulated end pieces for 2-pole electrical measurement. A semipermeable porous plate is placed at the top or bottom face of core sample to allow one phase to flow. A heating jacket ensures homogeneous, isothermal testing conditions.
Features:

Confining pressure	: 5,000 psi
Temperature	: up to 120°C
Core sample diameter	: 1.5"
Core sample length	: 1 to 3"

- 3.14 Volumetric burette:
The core holder output should be connected to a graduated burette to measure produced liquid volumes at each pressure step. Three different size burettes (2, 10 and 20 ml) should be provided. The reading accuracy of each tube should be 0.05 ml for the 2 ml burette and 0.1 ml for the 10 ml and 20 ml burettes. The total nos. of 2 ml, 10 ml and 20 ml burettes required is 5, 10 and 10 respectively.
- 3.15 Valves and tubing:
The system should use manual valves allowing the user to control the flow path.
- 3.16 Confining pressure pump:
The hydraulic, manually operated pump should generate confining pressure up to 5,000 psi
- 3.17 Resistivity Meter: 1 No.
The resistivity meter is required to monitor the resistivity and quality factor of the rock sample.
Features:
- 3.17.1 Test Frequencies: 12Hz ~ 10kHz,
3.17.2 Basic Measurement Accuracy 0.1%
3.17.3 R/Q, C/D, C/R, L/Q Test Modes
3.17.4 Absolute Value, Δ Value, and $\Delta\%$ Measurement
3.17.5 Continuous or Triggered Measurement Modes
3.17.6 Setup Memories up to 100
3.17.7 LCD Display
3.17.8 Simultaneous Display of Test Results/Conditions
- 3.18 Data acquisition system
The computer workstation should be the latest state-of-the-art personal computer, operating with the latest Microsoft windows version and a supervision package developed specifically for operating the system. The unit should be connected to the resistivity meter and automatically record core and brine resistivities at selected time intervals. It should also include an Excel spreadsheet calculation template which allows the user to input the sample's geometry, brine temperature and experimental conditions (produced brine volume, sample temperature, pore and confining pressures). Electrical properties of the rock sample such as FF, m, n, Resistivity Index and tortuosity should be computed.
Features:
Branded PC with latest windows operating system, colour Laser printer and fully compatible with the software
- 3.18.1 Minimum Intel® Core i7, 3.4 GHz (Base Frequency) or higher, 8 MB Cache, 4 cores OR equivalent.
3.18.2 RAM Memory: Minimum 8-GB (2 X 4GB) DDR3 SDRAM OR better.
3.18.3 21-inch Color monitor
3.18.4 Microsoft Windows package
3.18.5 Supervision package
3.18.6 DVD: Read and Write
3.18.7 Hard drive: 1 TB or more
- 3.19 Additional Pc/RI Core Holder Set Up:
The system should also have atleast three (3) additional Pc/RI coreholder (i.e. total 4 coreholders) and have integration of the core holders into the apparatus. The additional coreholders should also be able to hold core of diameter 1.5" with length 1" to 3". Each additional Pc/RI core holder also requires the following items:
- (i) Pore pressure control panel
 - (ii) Heated electrical core holder
 - (iii) 1 volumetric burette
 - (iv) 1 Set of Valves and tubing
 - (v) 1 set of spare parts
 - (vi) Pressure: up to 5000 psi confining pressure
 - (vii) Material: Stainless steel
- 3.20 **The following consumables required for two years of operations should be supplied by the successful bidder along with the equipment. Bidders are requested to quote for the items in Annexure – EE (iii) of the Price Schedule which shall be considered for evaluation.**
- 3.20.1 1.5" diameter sleeves – 10 nos.
3.20.2 1.5" (dia) and thickness(3-8mm) porous plates (15 nos. for oil wet and 25 nos. for water wet) - Pressure rating of 15 Bar & Temperature upto 120 degC
3.20.3 O rings for core holder – 10 nos.
3.20.4 Graduated tubes of 2 ml – 20 nos.
3.20.5 Graduated tubes of 10 ml – 15 nos.
3.20.6 Graduated tubes of 20 ml – 10 nos.
3.20.7 1 set of fittings/tubings
3.20.8 1 set of maintenance tools

- 3.21 Dip Conductivity Probe: Should be able to measure the brine resistivity. The probe should have a 20 ml burette and thermometer.
- 4.0 **OPERATIONAL CONTROL AND SAFETY DEVICE:**
- 4.1 All temperature and pressure controls should have to be displayed and built in safety system.
- 4.2 Pressure and Temperature controllers to be provided with computer interface for continuous data logging/accumulation.
- 4.3 Temperature sensors for measurement of temperature should be inside the coreholder.
- 5.0 **MANUALS**
One set of operating manual and service manual (in English) should be provided with the instrument.
- 6.0 **TRAINING**
Two scientific staff of OIL should be trained in the operation of the software and the instrument and routine maintenance of the instrument at site for 5(five) working days by Application Specialist of OEM after the after successful installation of the equipment on “**free of cost**” basis.
- 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 & fro and board & lodging for OIL’s staff will be borne by OIL.**
- 7.0 **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.
- 8.0 **WARRANTY AND GUARANTEE:**
The complete instrument and computer/printer should be under warranty for a period of 1(one) year from the date of installation. In case of breakdown during the warranty period, a competent service engineer of the supplier should make as many visits as are necessary to rectify the instrument. The supplier should provide any spares required for making the instrument operational.
- 9.0 **MAINTENANCE REQUIREMENT:**
One set of all the special tools relevant for usage and repair/maintenance of the equipment to be provided.
- 10.0 **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.
- 11.0 **RELIABILITY AND PERFORMANCE REQUIREMENTS:**
- 11.1 The life expectancy of the major components of the system should be at least for 10 years.
- 11.2 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.
- 12.0 **DOCUMENTATION:**
All the documents are to be provided in English language.
- (a) 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.
- (b) 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.

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

13.0 **SPECIAL TERMS & CONDITIONS:**

13.1 **THREE YEARS AMC OF Pc/RI SYSTEM**

OIL may decide to go for a non-comprehensive 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 expiry of warranty period, 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.

- 13.1.1 The AMC shall come into effect after warranty period of the equipment.
- 13.1.2 The service contract will remain in force for three years w.e.f. date of acceptance of AMC contract.
- 13.1.3 The job will be certified by CGM, CoEES, OIL India Ltd or Centre Head-CoEES.
- 13.1.4 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 or Centre Head-CoEES on each of the bill copy.
- 13.1.5 OIL will not provide any accommodation or to and fro fare to the engineer deputed for preventive and breakdown maintenance.
- 13.1.6 Contractor shall make 2(Two) preventative and 1(one) breakdown maintenance visits in a year, for service and maintenance of equipments under the contract at free of cost.
- 13.1.7 The service agency will always depute trained service engineers with necessary tools and kits for servicing of instruments.
- 13.1.8 The bill should be submitted in triplicate in favour of CGM, CoEES, OIL India Ltd or or Centre Head-CoEES, Rukminigaon, Guwahati, Assam
- 13.1.9 **Non Performance Deductions (NPD):**
 - 13.1.9.1 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.
 - 13.1.9.2 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.

13.2 **COMMITMENTS OF THE SPARES**

- 13.2.1 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.
- 13.2.2 **The bidders must provide the commissioning spares at their cost along with the Equipment.** They must submit a list of such spares.
- 13.2.3 **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.**

13.3 **TECHNICAL CHECK LIST**

The enclosed technical checklist (**ANNEXURE CC**) must be completed and submitted with bidder's offer. Bidders must ensure that all 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.

14.0 **INSTALLATION & COMMISSIONING:**

- (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 15 days from the date of intimation given to him or his representative regarding readiness of the equipment for installation at the site. **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.

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

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

The bids must conform to the specifications, terms and conditions given in the tender document. 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 offer/ offers will be considered as non-responsive and is/are liable to be rejected, if the following conditions are not fulfilled:

I. BID REJECTION CRITERIA**A. TECHNICAL****1.0 BIDDER'S QUALIFICATION:**

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

2.0 In case the Bidder is an OEM

- 2.1 The bidder shall have experience of designed, manufacture and supply of at least 5(five) nos. Pc/RI system in last 10 (Ten) years to be reckoned from the original bid closing date of the tender.
- 2.2 Documentary evidence in support of having experience as per 2.1 must be submitted in the form of purchase order and Commissioning/completion certificate or payment certificate or Bill of Lading or Tax Invoice or consignee receipted delivery challan or any other documents which substantiate successful execution of each of the purchase order along with the bid failing which offer will be rejected.

3.0 In case the Bidder is an Authorised Dealer/Distributor

- 3.1 The bidder must submit valid Dealership/ Authorization certificate in original from the OEM along with the offer which shall be valid till the tenure of the PO.
- 3.2 The Bidder must be in the business of supply, installation and commissioning of Pc/RI system in the last 10 (Ten) years preceding the original bid closing date of this tender. The OEM whose item the bidder is quoting should have experience of manufacturing of Pc/RI system.
- 3.3 As a proof of evidence for clause 3.2, the Bidders must furnish a list of installations carried out by them including customer contact details. To establish OEM's (Original Equipment Manufacturer) Manufacturing experience documentary evidence must be submitted in the form of purchase order and Commissioning/completion certificate or payment certificate or Bill of Lading or Tax Invoice or consignee receipted delivery challan or any other documents which substantiate successful execution of each of the purchase order along with the bid failing which offer will be rejected.
- 4.0 One manufacturer can quote only through one supplier/authorised dealer.
- 5.0 One supplier/authorised dealer can quote based on the authority letter from one manufacturer only. Bid shall be rejected in case of any change of manufacturer after submission of bid.
- 6.0 A job/supply executed by a bidder for its own organization/subsidiary cannot be considered as experience for the purpose of meeting Bid Rejection Criteria/ Bid Evaluation Criteria.

7.0 **DELIVERY PERIOD:**

Indian Bidders: Delivery to be completed within **4(four) 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 **3(three) 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.

(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 1,10,00,000.00.

2.0 **Net Worth** of the bidder should be positive for the financial/accounting year just preceding to the original Bid Closing Date of the Tender (i.e. FY 2017 - 18).

3.0 Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial/accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that the balance sheet/Financial Statements for the financial year 2017-18 (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.

4.0 In case the Audited Balance sheet and Profit Loss Account submitted along with the bid are in currencies other than INR or US\$, the bidder shall have to convert the figures in equivalent INR or US\$ considering the prevailing conversion rate on the date 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 4,40,000.00 OR USD 5,950.00** 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 **09.08.2019**.

3.0 Warranty shall be as per clause no. 8.0 of Annexure AA (Technical Specification). 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 (*Note: In case of deduction of LD, LD amount will be deducted along with applicable rate of GST*)
 - ii. Guarantee of material
 - iii. Arbitration / Resolution of Dispute
 - iv. Force Majeure
 - v. Applicable Laws
- 13.0 **Preference (linked with local content) notified vide letter no. Ref. O-27011/44/2016-ONG-II/FP dtd. 25.04.2017 of MoP&NG shall be applicable in this tender.** A new clause on applicability of Purchase Preference (linked with local content) policy is incorporated in the Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) and Amendments & Addendum to "General Terms & Conditions" for e-Procurement. Bidders are requested to take note of the same and to submit their offers accordingly, wherever applicable, along with all undertakings/documents applicable for this policy.
- 14.0 **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
PHONE/FAX: 0361 - 2262555,
EMAIL: coe@oilindia.in**

15.0 **PRICE SCHEDULE:**

Bidder shall submit the Price Break up as per Annexure EE (i) or EE (ii) as applicable. Bidders should fill up the annexures, sign and upload under “Notes & Attachments” > “Attachments” only.

- 15.1 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. Cost of consumables required for two years of operations (*As per clause no. 3.20 of Annexure – AA*)
3. Pre-despatch Inspection Charges, if any
4. Packing & FOB Charges
5. **Total FOB Value (1+2+3+4)**
6. Ocean Freight Charges upto Kolkata, India
7. Insurance Charges @0.5% of Total FOB Value vide (5) above
8. Banking Charges @1% of Total FOB Value vide (5) 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.
9. **CIF Value (5+6+7+8)**
10. Basic Custom Duty (Including Cess, If any) on (9)
11. **CIF Value + CD (9+10)**
12. IGST (Including Cess, if any) on (11)
13. Compensatory Cess on 12, if any
14. **CIF Value+CD+IGST+Compensatory Cess(11+12+13)**
15. Installation & Commissioning Charges
16. GST on Installation & Commissioning Charges
17. AMC Charges (*1st year, 2nd year and 3rd year to be shown separately*)
18. GST on AMC Charges
19. Total Value (14+15+16+17+18)

DOMESTIC BIDDERS:

1. Basic Material Value including TPI, if any
2. Cost of consumables required for two years of operations (*As per clause no. 3.20 of Annexure – AA*)
3. Pre-despatch Inspection Charges, if any
4. Packing & Forwarding Charges, if any
5. **Total Ex-Works Value (1+2+3+4)**
6. GST on Total Ex-Works Value (5)
7. Compensatory Cess, if any
8. **Total FOR Despatching Station Value (5+6+7)**
9. Freight Charges upto destination
10. GST on Freight Charges (9)
11. Insurance Charges @0.5% of (8) inclusive of GST
12. Installation & Commissioning Charges
13. GST on Installation & Commissioning Charges
14. AMC Charges (*1st year, 2nd year and 3rd year to be shown separately*)
15. GST on AMC Charges
16. Total Value (8+9+10+11+12+13+14+15)

15.2 **COMPARISON OF OFFER:**

- (i) When only foreign bidders are involved: Comparison will be done on Total value vide Srl. no. 19.
- (ii) When both Foreign and Domestic Bidders are involved: Comparison will be done on Total Value vide Srl. no. 19 of Foreign Bidder and Total Value vide Srl. no. 16 (excluding Sl. No. 9, 10 and 11) of domestic bidder.
- (iii) When only domestic bidders are involved: Comparison will be done on Total Value vide Srl. no. 16 of Domestic bidder.

- 15.3 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.

- 15.4 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.
- 15.5 ***The items covered by this enquiry shall be used by Oil India Limited in DSIR registered and recognized in-house Laboratory of R&D Department and eligible for exemption of customs duty. Essentiality Certificate for availing customs duty exemption for import of item/equipments meant for R&D purpose shall be issued by GENERAL MANAGER (R&D) as and when required. Moreover, concessional IGST during import will be applicable. Indigenous bidder shall be eligible for concessional rate of GST against Essentiality Certificate for invoice valuing INR 10 lakh and above.***
- 15.5.1 Supplier shall arrange to provide all necessary documents to apply for the essentiality certificate on receipt of request from OIL, if any. Further, supplier shall affect dispatch only on receipt of relevant certificates from OIL, failing which all related liabilities shall be to Supplier's account.
- 15.6 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.

ANNEXURE - CC**TECHNICAL COMPLIANCE SHEET**

The check list must be completed and submitted with your offer. Please ensure that all these points are covered in your offer. These will ensure that your offer is properly evaluated. Please mark 'Yes' or 'No' and specify relevant page no. of your bid document where detail or compliance has been confirmed.

S/NO.	PARTICULARS	COMPLIED/ NOT COMPLIED	REMARKS /PAGE NO. IN BID/ REFERENCE OF DOCUMENT IN BID
1.0	POWER SUPPLY		
	230 ± 10% volts, 50hz single phase AC		
2.0	TECHNICAL SPECIFICATIONS		
2.1	The Maximum Pore pressure should be at least 1000 psi		
2.1	The Maximum Confining pressure should be up to 5000 psi.		
2.2	The Maximum sample temperature should be up to 120°C		
2.3	The Core sample can be tested of diameter of 1.5" and Core Length: 1" to 3".		
2.4	Test Fluid: Gas/Liquid, Liquid/liquid		
2.5	Pc Measuring cycle: forced drainage and spontaneous/forced imbibition		
2.6	Resistivity measurement: 2 electrodes		
2.7	Resistance accuracy should be 0.1%		
2.8	All wetted part material should be of Stainless steel or Hastelloy		
2.9	Fluid types: Stock tank oil, Lab-oil, Brine, Nitrogen gas		
2.10	The system should work on nitrogen gas of up to 300 psi pressure.		
3.0	Pore pressure control panel		
3.1	Each sample's pore pressure should be regulated by a dedicated control panel. The control panel should comprise flow valves with manometers, a gas humidifier, digital pressure transducers and temperature sensors.		
4.0	Electrical core holder		
4.1	The heated electrical core holders should be mounted on a rack equipped with insulated end pieces for 2-pole electrical measurement.		
4.2	A semi permeable porous plate is placed at the top or bottom face of core sample to allow one phase to flow.		
4.3	A heating jacket ensures homogeneous, isothermal testing conditions.		
4.4	Confining pressure: 5,000 psi		
4.5	Temperature: up to 120°C		
4.6	Core sample diameter: 1.5"		

4.7	Core sample Length: 1 to 3"		
5.0	Volumetric burette		
5.1	The core holder output should be connected to a graduated burette to measure produced liquid volumes at each pressure step		
5.2	Three different size burettes (2, 10 and 20 ml) should be provided. The reading accuracy of each tube should be 0.05 ml for the 2 ml burette and 0.1 ml for the 10 ml and 20 ml burettes. The total nos. of 2 ml, 10 ml and 20 ml burettes required is 5, 10 and 10 respectively.		
6.0	Valves and tubing		
6.1	The system should use manual valves allowing the user to control the flow path.		
7.0	Confining pressure pump		
7.1	The hydraulic, manually operated pump generates confining pressure up to 5,000 psi		
8.0	Resistivity Meter: 1 No.		
8.1	Test Frequencies: 12Hz ~ 10kHz,		
8.2	Basic Measurement Accuracy 0.1%		
8.3	R/Q, C/D, C/R, L/Q Test Modes Absolute Value, Δ Value, and $\Delta\%$ Measurement		
8.4	Continuous or Triggered Measurement Modes		
8.5	Setup Memories up to 100		
8.6	LED/LCD Display		
8.7	Simultaneous Display of Test Results/Conditions		
9.0	Data acquisition system		
9.1	The unit should be connected to the resistivity meter and automatically record core and brine resistivities at selected time intervals.		
9.2	It should also include an Excel spreadsheet calculation template which allows the user to input the sample's geometry, brine temperature and experimental conditions (produced brine volume, sample temperature, pore and confining pressures)		
9.3	Electrical properties of the rock sample such as FF, m, n, Resistivity Index and tortuosity should be computed.		
9.4	Branded PC with latest windows operating system, color Laser printer and fully compatible with the software installed for measuring all the parameters mentioned.		
9.5	Additional requirements: Intel® Core i7, 3.4 GHz (Base Frequency) or higher, 8 MB Cache, 4 cores OR equivalent.		
(i)	RAM Memory: 8-GB (2 X 4GB) DDR3 SDRAM OR better		
(ii)	Hard drive: 1 TB or OR better		
(iii)	DVD: Read and Write		
(iv)	Monitor: 21 inch Color monitor		
(v)	Printout facilities.		

(vi)	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.		
(vii)	Computer-controlled fault diagnoses.		
(viii)	Monitoring facilities.		
(ix)	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.		
10.0	Consumables: The following consumables should be supplied (if quantities not mentioned supply for 2 years operations)		
10.1	1.5" diameter sleeves – nos.		
10.2	1.5"(dia) and thickness(3-8mm) porous plates (15 nos. for oil wet and 25 nos. for water wet)- Pressure rating of 15 Bar & Temperature upto 120 degC		
10.3	O rings for core holder – 10 nos.		
10.4	Graduated tubes of 2 ml – 20 nos.		
10.5	Graduated tubes of 10 ml – 15 nos.		
10.6	Graduated tubes of 20 ml – 10 nos.		
10.7	1 set of fittings/tubings		
10.8	1 set of maintenance tools		
11.0	Additional Pc/RI Core Holder Set Up:		
11.1	The system should also have atleast three (3) additional Pc/RI coreholder (i.e. total 4 coreholders) and have integration of the core holders into the apparatus. The additional coreholders should also be able to hold core of diameter 1.5" and length 1" to 3"		
11.2	Each additional Pc/RI core holder should have Pore pressure control panel		
11.3	Each additional Pc/RI core holder should have Heated electrical core holder		
11.4	Each additional Pc/RI core holder should have 1 volumetric burette		
11.5	Each additional Pc/RI core holder should have 1 Set of Valves and tubing		
11.6	Each additional Pc/RI core holder should have 1 set of spare parts		
11.7	Each additional Pc/RI core holder should have Pressure: up to 5000 psi confining pressure		
11.8	Each additional Pc/RI core holder should be made of Stainless Steel or hastelloy		
12.0	DIP CONDUCTIVITY PROBE		
12.1	Should be able to measure the brine resistivity.		
12.2	The probe should have a 20 ml burette and thermometer.		
13.0	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 Pc-RI measurements as per scope and application with all required accessories.		
14.0	<u>ESSENTIAL ACCESSORIES:</u>		
	All the necessary accessories e.g. software/hardware required for smooth and complete functioning of the unit to be included in the quote.		
15.0	<u>RELIABILITY AND PERFORMANCE REQUIREMENTS:</u>		
(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.		
16.0	<u>INSTALLATION, COMMISSIONING & TRAINING:</u>		
(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)	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.		
16.1	<u>TRAINING:</u>		
	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 on " free of cost " basis.		
	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. <u>However, to and fro and board and lodging for OIL's staff will be borne by OIL.</u>		
17.0	<u>GENERAL</u>		
	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.		
18.0	<u>DOCUMENTATION:</u>		
18.1	All the documents are to be provided in English language.		
18.2	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.		
18.3	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.		
19.0	<u>SPECIAL TERMS & CONDITIONS:</u>		
19.1	<u>COMMITMENTS OF THE SPARES</u>		
19.2	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.		
19.3	<u>The bidders must provide the commissioning spares at their cost along with the Equipment.</u> They must submit a list of such spares.		
19.4	<u>Spares list for whole unit for 3-years trouble free operation must be quoted in their bids.</u> 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. <u>However, the same will be not considered for bid evaluation.</u> OIL reserves the right to decide to procure the whole of the quoted spares or part thereof. <u>It is to be noted that the price quoted shall remain firm during this 3(Three)years period.</u>		

19.5	<u>DELIVERY PERIOD :</u>		
19.5.1	<u>Indian Bidders:</u> Delivery to be completed within 4(four) 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.		
19.5.2	<u>Foreign Bidders:</u> Delivery to be completed within 3(three) 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.		

ANNEXURE: DD**COMMERCIAL COMPLIANCE SHEET**

The check list must be completed and submitted with your offer. Please ensure that all these points are covered in your offer. These will ensure that your offer is properly evaluated. Please mark 'yes' or 'no' or specify against the following questions, in the right hand column.

OFFER REF:			
NAME OF THE BIDDER:			
Srl. No.	Particulars	Yes/No/Not Applicable	Remarks
1	Whether bid submitted under Two Bid System?		
2	Whether ORIGINAL Bid Bond (not copy of Bid Bond) submitted exactly as per format? If YES, provide details -		
	(a) Amount		
	(b) Name of issuing Bank		
	(c) Validity of Bid Bond		
	(d) Whether Bid Bond is valid till		
3	Whether offered firm prices?		
4	Whether quoted offer validity of 120 days from the date of bid closing of the tender?		
5	Whether quoted firm delivery period as per tender?		
6	Whether quoted as per tender (without any deviations)?		
7	Whether quoted any deviation?		
8	Whether deviation separately highlighted?		
9	Whether agreed to the Warranty clause?		
10	Compliance to:		
	a) Liquidated Damage		
	b) Warranty/Guarantee		
	c) Arbitration/Resolution of Dispute		
	d) Force Majeure		
	e) Applicable laws		
11	Whether Price Bid submitted as per Price Schedule		
12	Whether quoted all the items/qty. of tender?		
13	Whether indicated the country of origin for the items quoted?		
14	Whether technical literature / catalogue enclosed?		
15	Whether confirmed acceptance of tender Payment Terms?		
16	For Foreign Bidders - Whether offered FOB / FCA charges including sea/air worthy packing & forwarding?		
17	For Foreign Bidders – Whether port of shipment indicated. To specify:		
18	For Indian bidders – Whether indicated the place from where the goods will be dispatched. To specify :		
19	For Indian bidders – Whether road transportation charges up to Destination quoted?		
20	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?		
21	Whether Indian Agent applicable?		
	If YES, whether following details of Indian Agent provided?		
	Name & address of the agent in India – To indicate		
	Amount of agency commission – To indicate		
	Whether agency commission included in quoted material value?		
22	Whether weight & volume of items offered indicated?		
23	If Pre-despatch/shipment inspection charges applicable, whether quoted separately?		

24	Whether confirmed to submit PBG as asked for in tender?		
25	For Indian Bidders only - Whether indicated import content in the offer?		
26	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted?		
27	Whether all BRC/BEC clauses accepted?		
28	Whether Integrity pact exactly as per format and with digital signature uploaded?		
29	Whether Third party Inspection quoted?		
30	Whether quoted as MSME? If yes, whether all relevant documents enclosed?		
31	Whether quoted for PP-LC? If yes, whether all documents/undertakings enclosed?		
32	Whether all Financial Details as per BRC enclosed?		

ANNEXURE – EE (i)**PRICE SCHEDULE – DOMESTIC BIDDERS**

(Bidders should fill up, sign and upload this price schedule [Annexure EE(i)] under “Notes & Attachments” > “Attachments” only. The filled up price breakup should not be uploaded in Technical RfX Response folder)

TENDER NO.	
BID CLOSING DATE	

SL. NO.	MATERIALS DESCRIPTION	HSN Code	QTY	UNIT	UNIT PRICE (IN INR)	TOTAL MATERIAL S VALUE (IN INR)	PACKING AND FORWARDING CHARGES (IN INR)	EX-WORKS VALUE (IN INR)	GST (IN INR)	TOTAL FOR DESPAT-CHING STATION VALUE (IN INR)
1	PcRI Instruments		1	No.						
2	Cost of consumables for two years of operations as per Annexure EE(iii)		1	SET						
Total FOR Despatching Station Value										
Inland Freight charges upto Destination										
Applicable GST on freight charges (Please indicate the rate and SAC code)										
Total Freight Charges including GST										
TOTAL F.O.R. DESTINATION, GUWAHATI										
Installation & Commissioning Charges										
GST on Installation & Commissioning Charges (Please indicate GST rate and SAC Code also)										
Total Installation & Commissioning Charges including GST										
Annual Maintenance Charges for 1 st Year										
Annual Maintenance Charges for 2 nd Year										
Annual Maintenance Charges for 3 rd Year										
GST on Annual Maintenance Charges (Please indicate GST rate and SAC Code also)										
Total AMC Charges for 3 (three) years including GST										
Total weight of consignment										
Total volume of consignment										

Notes:

- (i) In the event of computational error between unit price and total price, unit price shall prevail and adopted for evaluation. Similarly, in the event of discrepancy between words and quoted figure, words will prevail.
- (ii) GST should be quoted separately. If GST is not shown separately the offer will be considered to be inclusive of all taxes and will be binding on the bidder.
- (iii) Insurance charges @0.5% shall be loaded on F.O.R Despatch Station Value for evaluation purpose.
- (iv) Loading & evaluation shall done be as per clause no. I (C) 15.1 of Annexure –BB.

ANNEXURE – EE (ii)**PRICE SCHEDULE – FOREIGN BIDDERS**

(Bidders should fill up, sign and upload this price schedule [Annexure EE(ii)] under “Notes & Attachments” > “Attachments” only. The filled up price breakup should not be uploaded in Technical RFx Response folder)

TENDER NO.	
BID CLOSING DATE	

SI. NO.	MATERIALS DESCRIPTION	HSN Code	QTY	UNIT	UNIT PRICE (IN INR)	TOTAL MATERIALS VALUE (IN INR)	PACKING AND FOB CHARGES (IN INR)	TOTAL FOB VALUE (IN INR)
1	PcRI Instruments		1	No.				
2	Cost of consumables for two years of operations as per Annexure EE(iii)		1	SET				
Total FOB Value								
Ocean Freight charges upto Kolkata, India								
TOTAL C&F KOLKATA VALUE								
Installation & Commissioning Charges								
GST on Installation & Commissioning Charges (Please indicate GST rate and SAC Code also)								
Total Installation & Commissioning Charges including GST								
Annual Maintenance Charges for 1 st Year								
Annual Maintenance Charges for 2 nd Year								
Annual Maintenance Charges for 3 rd Year								
GST on Annual Maintenance Charges (Please indicate GST rate and SAC Code also)								
Total AMC Charges for 3 (three) years including GST								
Total weight of consignment								
Total volume of consignment								

Notes:

- (i) In the event of computational error between unit price and total price, unit price shall prevail and adopted for evaluation. Similarly, in the event of discrepancy between words and quoted figure, words will prevail.
- (ii) Insurance Charges @0.5% shall be loaded on Total FOB Value for evaluation purpose.
- (iii) Banking Charges @1% shall be loaded on Total FOB Value for evaluation purpose. 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.
- (iv) Loading & evaluation shall done be as per clause no. I(C) 15.1 of Annexure – BB.

ANNEXURE – EE(iii)**PRICE SCHEDULE FOR CONSUMABLES FOR TWO YEARS OF OPERATIONS**

TENDER NO.	
BID CLOSING DATE	

ITEM NO.	MATERIALS DESCRIPTION	HSN Code	QTY	UNIT	UNIT PRICE (IN INR)	TOTAL MATERIALS VALUE (IN INR)
1	1.5" diameter sleeves		10	No.		
2	1.5" (dia) and thickness(3-8mm) porous plates (For Oil wet) - <i>Pressure rating of 15 Bar & Temperature upto 120 degC</i>		15	No.		
3	1.5" (dia) and thickness(3-8mm) porous plates (For Water wet) - <i>Pressure rating of 15 Bar & Temperature upto 120 degC</i>		25	No.		
4	O rings for core holder		10	No.		
5	Graduated tubes of 2 ml		20	No.		
6	Graduated tubes of 10 ml		15	No.		
7	Graduated tubes of 20 ml		10	No.		
8	Fittings/Tubings		1	Set		
9	Maintenance Tools		1	Set		
Total Material Value						

ANNEXURE - FF**CERTIFICATE OF ANNUAL TURNOVER & NETWORTH**

TO BE ISSUED BY PRACTISING CHARTERED ACCOUNTANTS' FIRM ON THEIR LETTER HEAD		
<u>TO WHOM IT MAY CONCERN</u>		
<p>This is to certify that the following financial positions extracted from audited financial statements of M/s..... (Name of the bidder) for the last 3 (three) completed accounting years upto.....(as the case may be) are correct.</p>		
YEAR	TURNOVER In INR (Rs.) Crores/ USD Million*	NET WORTH In INR (Rs.) Crores / USD Million*
<p>*Rate of conversion (if used any): USD 1.00 = INR</p> <p>Place:</p> <p>Date:</p> <p>Seal:</p> <p>Membership No.:</p> <p>Registration Code:</p> <p>Signature:</p>		

****Applicable for Global Tenders.***

Annexure XII**INTEGRITY PACT**

Between

Oil India Limited (OIL) hereinafter referred to as "The Principal"

And

(Name of the bidder).....hereinafter referred to as "The Bidder/Contractor"

Preamble:

The Principal intends to award, under laid down organizational procedures, contract/s for **Tender no. SGG9814P19 dated 20.11.2018**. The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

In order to achieve these goals, the Principal cooperates with the renowned international Non-Governmental Organization "Transparency International" (TI). Following TI's national and international experience, the Principal will appoint an external independent Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section: 1 -Commitments of the Principal

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:

1. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.
2. The Principal will, during the tender process treat all Bidders with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/additional information through which the Bidder could obtain an advantage in relation to the tender process or the contract execution.
3. The Principal will exclude from the process all known prejudiced persons.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a Page 2 of 6 substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section: 2 -Commitments of the Bidder/Contractor

(1) The Bidder/Contractor commits itself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

1. The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

2. The Bidder/Contractor will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, Subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

3. The Bidder/Contractor will not commit any offence under the relevant Anticorruption Laws of India; further the Bidder/Contractor will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

4. The Bidder/Contractor will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

(2) The Bidder/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.

(3) The Bidder/Contractor signing Integrity Pact shall not approach the Courts while representing the matters to IEMs and he/she will await their decision in the matter.

Section 3 -Disqualification from tender process and exclusion from future Contracts

If the Bidder, before contract award has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or risibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already signed, for such reason.

1. If the Bidder/Contractor has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is entitled also to exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressions within the company hierarchy of the Bidder and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.

2. The Bidder accepts and undertakes to respect and uphold the Principal's Absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.

3. If the Bidder/Contractor can prove that he has restored/recouped the Damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.

4. A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.

5. Integrity Pact, in respect of a particular contract, shall be operative from the date Integrity Pact is signed by both the parties till the final completion of the contract or as mentioned in Section 9- Pact Duration whichever is later. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings

Section 4 -Compensation for Damages

1. If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from the Bidder liquidated damages equivalent to Earnest Money Deposit / Bid Security.

2. If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to Security Deposit / Performance Bank Guarantee.

3. The bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder/Contractor can prove and establish that the exclusion of the Bidder from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount or the liquidated damages, the Bidder/Contractor shall compensate the Principal only to the extent of the damage in the amount proved.

Section 5 -Previous transgression

1. The Bidder declares that no previous transgression occurred in the last 3 years with any other Company in any country conforming to the TI approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section: 6 -Equal treatment of all Bidders/Contractor/Subcontractors

1. The Principal will enter into Pacts on identical terms with all bidders and contractors.

2. The Bidder/Contractor undertake(s) to procure from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the provisions laid down in this agreement/Pact by any of its sub-contractors/sub-vendors.

3. The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section: 7 -Criminal charges against violating Bidders/Contractors/ Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section: 8 -External Independent Monitor/Monitors

1. The Principal appoints competent and credible external independent Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal.

3. The Contractor accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder/Contractor/Subcontractor with confidentiality.

4. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

5. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or heal the violation, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the

Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action. However, the Independent External Monitor shall give an opportunity to the bidder/ contractor to present its case before making its recommendations to the Principal.

6. The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.

7. If the Monitor has reported to the Chairperson of the Board a Substantiated suspicion of an offence under relevant Anti-Corruption Laws of India, and the Chairperson has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8. The word 'Monitor' would include both singular and plural.

Section: 9 - Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by Chairperson of the Principal.

Section: 10 - Other provisions

1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. New Delhi. The Arbitration clause provided in the main tender document / contract shall not be applicable for any issue / dispute arising under Integrity Pact.

2. Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

3. If the Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.

4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

M. B. SINGHA
SR. MANAGER MATERIALS (PL)

.....

For the Principal

.....

For the Bidder/Contractor

Witness 1:

Witness 2:

Place: Guwahati

Date: