



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

Telephone No. (91-374) 2808724

Fax No: (91-374) 2800533

Email: matdmmfd1@oilindia.in , materials@oilindia.in; erp_mm@oilindia.in

Tender No.	:	SDG8947P19/06
Tender Fee	:	Not Applicable
Bid Security Amount	:	INR 6, 20,000.00 OR USD 8,360.00
Bidding Type	:	SINGLE STAGE TWO BID SYSTEM
Bid Closing on	:	28.11.2018(at 11.00 Hrs. IST)
Bid Opening on	:	28.11.2018(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 up to 28.06.2019
Performance Guarantee	:	Applicable @ 10% of Order value
Integrity Pact	:	Applicable
List of Annexures Applicable	:	Annexure - I: Specifications, General & Special notes to bidders Annexure- II: Bid evaluation & Rejection Criteria Annexure-III: Check List (Commercial) Annexure-IV: Certificate of Annual Turnover & Net Worth Annexure - V: Technical Evaluation Matrix (BEC) Annexure- VI: Technical Evaluation Matrix (Technical Specs.) Format-A-No Deviation Confirmation Annexure K- Format of undertaking by Bidders towards Submission of authentic information/documents

AA:: SPECIFICATION& QUANTITY OF THE ITEMS TO BE PROCURED

Item no	Material Description	Quantity
10	<p>1.0 SCOPE</p> <p>The equipment is to be used for characterization of petroleum source rocks. Small quantity (about 100 mg) of pulverized rock samples are to be analyzed by programmed pyrolysis in an inert atmosphere. The analysis should provide data on Total Organic Carbon content, free hydrocarbon content, hydrocarbon generative potential, organic matter type, thermal maturity of organic matter, mineral carbon and hydrocarbon generative kinetic parameters of organic matter.</p> <p>2.0 GENERAL</p> <p>2.1</p> <p>2.1.1 The manufacturer/supplier should have after sale service in India and should ensure availability of all spares and consumables at least for TEN (10) years from the date of installation.</p> <p>2.1.2 The bidder must submit the references of three or more peer reviewed publications in international journals like "AAPG", "Organic Geochemistry", "Marine and Petroleum Geology", "Geochimica et Cosmochimica Acta", "Journal of Petroleum Geology", "Science" or "Nature", demonstrating application of the data generated through the offered equipment for petroleum exploration purpose.</p> <p>2.2</p> <p>2.2.1 The equipment should provide data on amounts of free hydrocarbon (S1), hydrocarbons generated through thermal cracking of non-volatile organic matter (S2) using a Flame Ionization Detector (FID), the oxygen content in organic matter (S3) using IR detector, the temperature at which the maximum release of hydrocarbons from cracking of kerogen occurs during pyrolysis (Tmax), Total Organic Carbon (TOC), mineral carbon and hydrocarbon generation kinetic parameters.</p> <p>2.2.2 The instrument should be capable of recording and measuring parameters mentioned in point 2.2.1 and also should have interpretation reporting facilities.</p> <p>2.2.3 The entire operation of the equipment should be controlled by a user friendly software loaded on PC based microprocessor.</p> <p>2.2.4 The instrument should have in-built safety protection system for power failure.</p>	01 No.

	<p>2.2.5 The instrument should be rugged and able to work round the clock without interruption.</p> <p>2.2.6 The equipment should be new and of recent model/version of manufacture.</p> <p>2.2.7 The instrument should be complete and supplied in ready to use condition.</p> <p>2.2.8 Power Supply: 220 Volt: +/- 10 Volts; 50 Hz, Single phase AC</p> <p>2.2.9 Environmental conditions: Operating Temperature: 5 to 50 degree centigrade Relative humidity: up to 95 % without condensation.</p> <p>3.0 TECHNICAL SPECIFICATIONS</p> <p>The instrument should be equipped with one auto sampler, one pyrolysis oven, separate oxidation oven, one flame ionization detector and two no's of IR Cells for continuous detection of CO & CO₂ during pyrolysis phase and oxidation phase in parallel. The system should have temperature programming facility during the pyrolysis cycle and oxidation cycle in order to get a good separation between mineral carbon and organic carbon.</p> <p>The equipment should be complete with following.</p> <p>3.1 AUTO SAMPLER UNIT</p> <p>The auto sampler unit shall consist of a sample holder unit with a minimum capacity of 48 crucibles and all necessary accessories to automatically convey the sample to the oven in a predetermined sequence. All piston movement should be electrically driven.</p> <p>3.2 PYROLYSIS AND OXIDATION UNITS</p> <p>3.2.1 PYROLYSER UNIT</p> <p>3.2.1.1 It should consist of an oven for pyrolysing the sample at controlled temperatures to a maximum temperature of at least 650°C.</p> <p>3.2.1.2 It should be made of heat and corrosion resistant material and complete with suitable heating element to ensure temperature homogeneity of the sample crucible.</p> <p>3.2.1.3 Should have thermocouples to control precise heating of the oven and provide true T_{max}.</p>	
--	---	--

	<p>3.2.1.4 It should have automatic air or suitable cooling system.</p> <p>3.2.1.5 It should be suitably coupled with other parts of the equipment such as detector system, splitter etc. and ensure easy accessibility for repairs/replacement/maintenance.</p> <p>3.2.1.6 Suitable traps for collecting heavy hydrocarbons and moisture should be provided.</p> <p>3.2.2 OXIDATION UNIT</p> <p>3.2.2.1 It should consist of an oven for oxidation of the sample at controlled temperatures to a maximum temperature 850°C.</p> <p>3.2.2.2 It should be made of heat and corrosion resistant material with suitable heating element to ensure temperature homogeneity of the sample crucible.</p> <p>3.2.2.3 It should have provision for cooling the ovens through air.</p> <p>3.2.2.4 It should be suitably coupled with other parts of the equipment such as detector system and ensure easy accessibility for repairs/replacement/maintenance.</p> <p>3.2.2.5 Suitable traps for collecting sulphur dioxide and moisture should be provided.</p> <p>3.2.3 PROGRAMMABLE TEMPERATURE CYCLES</p> <p>3.2.3.1 Temperature program: Multiple rates with 5 possible slopes (for Multi Heating Rate method)</p> <p>3.2.3.2 Temperature Range: From 100°C to 850°C (for rates less than 2°C per minute, the maximum temperature may be limited to 700°C)</p> <p>3.2.3.3 Temperature rates: adjustable from 0.1 upto 50°C/minute, with steps of 0.1°C/minute.</p> <p>3.2.3.4 Temperature measurement: by a thermocouple located in the piston holding the crucible, directly under the sample.</p> <p>3.2.3.5 Both oxidation and pyrolysis ovens should be temperature programmable as outlined above.</p> <p>3.2.3.6 The instrument should have pre-programmed analysis methods for crude rocks, organic matter, preparative analysis, tar mat etc.</p> <p>3.2.3.7 For each method, there should be Default cycle, i.e., with preset parameters User programmable cycles which allow the operator to determine his own parameters.</p>	
--	--	--

	<p>3.3 DETECTOR UNITS</p> <p>3.3.1 The detection system for free and pyrolytically generated hydrocarbons should be a flame ionization detector with a sensitivity range from 100 pA to 1 μA.</p> <p>3.3.2 For detection of CO₂/CO both from pyrolysis oven and oxidation ovens, two no's of sensitive IR Cell should be provided. The IR cell should have calibration system. Minimum sensitivity should be 25 ppm for CO₂ and 12 ppm for CO.</p> <p>3.4 DATA ACQUISITION AND CONTROL SYSTEM</p> <p>3.4.1 HARDWARE</p> <p>3.4.1.1 Processor: The following minimum specifications are required</p> <p>Model: Dell/HP-Compaq/IBM</p> <p>Processor: Intel ® Core i7 Processor, 3.6 GHz (Base frequency) or higher, 8 MB Cache, 4 cores</p> <p>Memory: Minimum 8-GB (2 X 4GB) DDR4 SDRAM 2400-MHz or higher</p> <p>Hard Disk: Minimum 1 TB SATA 3Gbps HDD (minimum), 7200 rpm</p> <p>Generation: Generation of the processor must be 7th Generation or higher with specification as given for processor.</p> <p>Chipset: Intel Q Series Chipset Vpro Enabled (Q270)</p> <p>Optical: 16X DVD +/-RW with Dual Layer Write</p> <p>Capabilities: (Preferably same make & color as CPU box).Complete with driver software on CD media, standard accessories and cables</p> <p>Ethernet: Integrated 10/100/1000 Mbps Ethernet Controller and IPV6 compliant</p> <p>Expansion Slots: Min 2 nos of PCI series slots.</p> <p>Audio & Sound: Integrated HD audio controller with 1 set of speaker with minimum 2 watts (rms) output.</p> <p>Monitor: OEM 21.5 diagonal viewable image size: 21.5 diagonal Flat Panel LED Monitor (1920 x 1080 Resolution) with standard accessories and cables (same make & color as CPU box) & TCO certified and having height adjustable or tiltable arrangement .The video cable from the monitor to the computer should</p>	
--	--	--

	<p>connect the units without using any separate adapter as converter.</p> <p>I/O Interface: Front I/O Ports: Minimum 2 x USB 2.0 ports Headphone and Microphone Jacks Rear I/O Ports: 1xVGA (D-sub) video port/DVI Port/HDMI port</p> <p>ports (Minimum) 4 x USB 2.0</p> <p>Serial Port 1 x Fast</p> <p>Ethernet (RJ-45) port 1 x Gigabit</p> <p>Headphone and Microphone Jacks</p> <p>Note: Out of the six USB ports, at least one port must be USB 3.0 port.</p> <p>System Chassis: Slim chassis with enough cooling fans, one free internal peripheral bay and suitable power supply with volume 8-14 litres</p> <p>Keyboard: 104 Keys OEM keyboard (Same make & colour as CPU box)</p> <p>Mouse: OEM USB optical scroll mouse with mouse pad (Preferably same make & colour as CPU box)</p> <p>Power Supply: 250Watts with 85% Power efficiency (IE252)</p> <p>OS: OEM factory Preloaded Genuine software which will be compatible with the instrument with recovery CD and latest service pack in DVD/CD media & documentation</p> <p>Others: Power Cables All system drivers, monitor drivers and operating system on DVD/CD media Power Extension spike guard with 4nos.of 5Amps output, Surge Protector, Make: Rider/Anchor/Crabtree Patch cord- Make: AMP / AVAYA and 3m length</p> <p>3.4.1.2 Printer: The following minimum specifications are required</p> <p>Make: HP/EPSON</p> <p>Print Speed: Black: Minimum 24 ppm/ipm</p> <p>Colour: Minimum 15 ppm/ipm</p> <p>Media Size: Legal, letter, executive, A4, A5, A6 etc.</p> <p>Media Type: Paper, envelopes, transparencies, labels.</p>	
--	--	--

<p>Print Resolution: Minimum 600 dpi</p> <p>Optical Scan Resolution: 1200 dpi Minimum</p> <p>Memory: 128 MB RAM</p> <p>Duty Cycle: 35,000 pages/month minimum</p> <p>Connectivity: USB port with Cable</p> <p>Others: Power Cable and full capacity Original Cartridge</p> <p>3.4.2 SOFTWARE</p> <p>3.4.2.1 Data acquisition and control</p> <p>The software for data acquisition and control should have following features</p> <p>Real time acquisition and digitization of signals from FID and IR detectors.</p> <p>Command of input/output and (C) control of heating programs.</p> <p>Communication with the workstation through RS 232 connection.</p> <p>Communication with the CO/CO₂ IR analyzer through RS 232 connection for signal acquisition, control of auto-zero function, complete control of IR cell, IR cell calibration verification.</p> <p>Signal alarm indicating overheating detection of one oven or any defect of temperature regulation.</p> <p>Allow calibration of data.</p> <p>Diagnose the operational errors and its speedy rectification.</p> <p>Compute various parameters from acquired signals.</p> <p>Store signal data, curves, results and reports.</p> <p>Allow reprocessing of stored signals with new standards.</p> <p>Allow creation of reservoir cycle.</p> <p>3.4.2.2 Software for data interpretation</p> <p>The data interpretation software should have capability to import data from the instrument data acquisition software. It should be possible to prepare a geochemical log that plots various parameters obtained by the instrument against depth. The software should have in-built standard plots for the geochemical</p>	
---	--

	parameters obtained by the instrument with interpretation guidelines. It should also be possible to plot any two user defined parameters. It should be possible to determine geochemical kinetic parameters of thermal cracking of source rock sample/ kerogen into hydrocarbons for kinetic modelling.	
20	INSTALLATION & COMMISSIONING	1 AU
30	ACCESSORIES FOR GENERATION OF PURE GASES The equipment should have suitable generators for generation of dried (moisture/hydrocarbon/CO ₂ free) pure air, pure nitrogen (minimum 99.999%), pure hydrogen (minimum 99.999%) for trouble free running of instrument. The supplier should provide certificate of purity along with the generators.	01 NO
40	TOOLS, SPARES & CONSUMABLES 1. All necessary first line spares and consumables including 100 crucibles, calibration standard (50 grams), CO/CO ₂ calibration gas cylinder with manometer and needle nupro valve, drying agents & other necessary adsorbent material used in traps of air/gas lines of the equipment, leak detector solution in sufficient quantity and all unions, nuts, ferrules, tubing, fuses for trouble free operation for two years to be provided along with the equipment. This will be part of cost evaluation of bid. List of such first line spares and consumables with their quantity should be submitted along with the techno-commercial bid. 2. Electronic analytical balance capable of measuring up to 0.0001g should be provided. 3. Bidder should also quote second line spares with their quantity for two years operation separately. However this will not be considered for the purpose of the price evaluation. The quantity and selection of spare consumables should be based on manufacturer's recommendation keeping in view the criticality of the items.	01 NO

BB:: SPECIAL NOTES TO BIDDERS:

1.0 DOCUMENTATION

All the documents / manuals to be provided in English

1.1 Along with offer:

1.1.1 Detailed technical literature/brochure/supporting specifications – 2 copies

1.1.2 The list of users (oil and gas companies) with their addresses (including e-mail, Fax No.) to whom the equipment has been sold within last 3 years including sales in India, if any, OIL will have an option to seek performance reports/comments from these users.

1.1.3 Documentary proof for minimum THREE (03) years of experience of manufacturing the equipment.

1.1.4 Hard copies of output tables, geochemical logs, kinetic modeling, cross plots etc., generated by the application software.

1.1.5 List of 1st line of spares and consumables with their description & quantity along with costs.

1.1.6 List 2nd line of spares and consumables with their description & quantity along with costs.

1.1.7 List of authorized representative supplier who can provide after sale maintenance service/calibration facility in India with their addresses.

1.1.8 Guarantee certificate for the lifetime supply (i.e. for at least ten (10) years after the warranty period) of spares & consumables for the equipment.

1.1.9 List of accessories, mechanical tools, consumable spares etc. included in the installation kit.

1.2 Along with supply of equipment:

1.2.1 Operation and maintenance manual - 2 sets

1.2.2 Application software manual - 2 sets

1.2.3 Spare parts / consumable catalogue with price list - 2 sets

1.2.4 MSDS in case any hazardous chemicals are used with the instrument.

2.0 The bidder should submit the filled bid documents: FORMAT - A (NO DEVIATION CONFIRMATION) and FORMAT - VI (TECHNICAL SPECIFICATION SHEET)

3.0 ONSITE INSTALLATION, COMMISSIONING & DEMONSTRATION

3.1 Bidder/supplier should provide details of the system requirement along with the essential space/safety requirement and power requirement for the equipment as well as for accessories supplied with the equipment.

3.2 Bidder/supplier shall be responsible for successful onsite installation/commissioning and satisfactory demonstration of its features, operation and application, routine and preventive maintenance aspects of the equipment at OIL specified premises within thirty days from the intimation from user regarding receipt of the equipment.

3.3 Installation & Commissioning:

The successful bidder shall install and commission the equipment in Oil India Ltd., Duliajan, Assam, India by their competent service engineer (s). The party shall demonstrate all specification and operation at the time of installation.

Installation / commissioning & Training charges if any must be quoted separately on lump sum basis which shall also be considered for evaluation of the offers. In case, if charges are not quoted it will be considered that it has been included in the total cost of the item.

All visits including transport to and fro journey to Duliajan and accommodation at Duliajan by suppliers' personnel for warranty related work shall have to be borne by the successful bidder. Warranty certificate to be provided along with the equipment.

3.4 After installation and commissioning the equipment should be tested for data repeatability and smooth operation round the clock without any interruption. Sample should give repeatability results within the following limits:

S2 = +/- 4%, Tmax = +/- 2°C, TOC = +/- 2%, S3 = +/- 16%, S3 CO = +/- 7%, MINC = +/- 3%

3.5 Bidder/supplier will supply the complete system which includes the basic instrument with all necessary accessories mentioned in the specifications.

3.6 Bidder/supplier should arrange all material necessary for installation of the equipment including the installation kit.

3.7 .The Bidder/supplier should replace defective parts if found any, during installation and or during the warranty period. This replacement should be done within a month's time at supplier's cost.

3.8 Two scientific staff of OIL should be trained in the operation of the software and the instrument and routine maintenance of the instruments at site for 3 working days after the installation is over.

4.0 WARRANTY

Warranty for minimum 18 months from the date of despatch/shipment or 12 months from the date of successful commissioning, whichever is earlier. However, during the period, in addition to any nos. of breakdown visits, the bidder will compulsorily provide two nos. of preventive maintenance service visits by an authorized and trained service engineer stationed in India.

5.0 AFTER SALES SERVICE AND PRODUCT SUPPORT

5.1 Relevant software/hardware information in case of updating of the model of the supplied system should be provided.

5.2 Any software up-gradation during warranty period should be provided free of cost.

6.0 ANNUAL MAINTENANCE CONTRACT

6.1 Charges for the Annual Maintenance Contract (AMC) for four years, after the warranty period is over, should be quoted with year wise break up which shall be considered for bid evaluation.

6.2 While quoting for AMC, the bidder should take into account two (02) preventive maintenance visit and two (02) breakdown visits per year by an OEM trained and authorized service engineer. In case of breakdown visit, the service engineer must come to attend the equipment to make it operational within 15 (fifteen) days after receiving the intimation. In case he cannot rectify the problem during his first visit, and has to visit again to rectify the problem reported/identified originally, all those visits would be considered as single breakdown visit. Spares required, if any, during the maintenance contract period will be provided by OIL.

6.3 The bidders must submit a written undertaking that they would be able to provide AMC service at the quoted rates after expiry of warranty.

6.4 The supplier shall arrange to submit a separate performance bank guarantee for the AMC. The AMC PBG value and validity shall be mentioned in the AMC Contract.

7.0 NAME PLATE/MARKING DETAILS

Following information shall be securely stamped / stenciled on the body of the equipment:

7.1 Manufacturer's Name

7.2 Model Number

7.3 Serial Number

7.4 Year of manufacture

7.5 Weight of the equipment

7.6 Rated voltage/current

7.7 Any other relevant information

8.0 MISCELLANEOUS

8.1 Bidder must have sold at least four (4) instruments (of the same model as offered in the bid) in the last three years preceding bid closing date to minimum two (2) prominent E&P Companies or service providers to E&P companies. Documentary support in the form of purchase order and satisfactory installation performance report must be provided in the support of claim.


8.2 The original equipment manufacturer (OEM) should confirm in writing that the spares & consumables for the quoted model will be available for a period of ten years after installation of the instrument.

8.3 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.

CC:: GENERAL NOTES TO BIDDERS:

Sl No	Clause description
1.0	Bid Security/EMD/Performance Bank Guarantee – Must be paid either through online mode or Submission of Bank Guarantee/LC only. No DD/Cheques/Cashier Cheque or any other mode will be acceptable.
2.0	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.
3.0	Bid must be submitted online through OIL’s e-procurement portal. Bid submitted in any other form will be rejected.
4.0	<p>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 scribing tender no. and due date to The GM Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before 13:00 hrs. (IST) on the Bid Closing Date mentioned in the Tender.</p> <p>a) Original Bid Security along with two duplicate copies of Bid Security. b) Any other documents which have been particularly asked for in this tender for submission.</p> <p>The Bank Guarantee issued by bank must be routed through SFMS platform as per following details:</p> <p>a. (i) “MT760/ MT760 COV for issuance of bank guarantee (ii) MT767/ MT767 COV for amendment of bank guarantee</p> <p>The above message/intimation shall be sent through SFMS by the BG issuing bank branch to Axis Bank, Duliajan Branch, IFS Code: UTIB0001129. Branch Address: Axis Bank Ltd., DuliajanBranch, Daily Bazar, Jyotinagar, Duliajan, Dist- Dibrugarh, Pin- 786602.</p> <p>b. The vendor shall submit to OIL the copy of the SFMS message as sent by the issuing bank branch along with the original bank guarantee.</p>
5.0	Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time, failing which the offer shall be rejected.
6.0	<p>The tender is invited under SINGLE STAGE-TWO BID SYSTEM. The bidder has to submit both the “TECHNO-COMMERCIAL UNPRICED BID” and “PRICED BID” through electronic form in the OIL’s e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The “Techno-commercial Unpriced Bid” shall contain all technical and commercial details except the prices which shall be kept blank. Details of prices as per Bid format / Commercial bid to be uploaded as attachment in the Attachment Tab “Notes and Attachments”. Any offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="border: 1px solid black; padding: 5px; width: 30%;">Notes and Attachments</div> <div>→ Only Price Details Should Be Uploaded</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="border: 1px solid black; padding: 5px; width: 30%;">Technical attachments</div> <div>→ All technical bid documents except price details</div> </div> <p>Please do refer “NEW INSTRUCTION TO BIDDER FOR SUBMISSION” for the above two points and also please refer “ New Vendor Manual (effective 12.04.2017) ” available in the login Page of the OIL’s E-tender Portal.</p>

	
7.0	<p>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. <u>No price should be given in above Technical Rfx otherwise the offer will be rejected.</u> Please go through the help document in details before uploading the document and ensure uploading of technical bid in the Technical RFx Response-> User - > Technical Bid only. The “PRICE BID” must contain the price schedule and the bidder’s commercial terms and conditions. Details of prices as per Bid format / Commercial bid can be uploaded as Attachment under the attachment option under “Notes & Attachments”.</p>
8.0	<p>PRICED BIDS OF ONLY THOSE BIDDERS WILL BE OPENED WHOSE OFFERS ARE FOUND TO BE TECHNO-COMMERCIALLY ACCEPTABLE.</p>
9.0	<p>Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the bid or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.</p>
10.0	<p>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.</p>
11.0	<p>To ascertain the substantial responsiveness of the bid, OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by OIL, failing which the offer will be summarily rejected.</p>
12.0	<p>Other terms and conditions of the tender shall be as per “General Terms & Conditions” for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). However, if any of the Clauses of the Bid Rejection Criteria (BRC) / Bid Evaluation Criteria (BEC) mentioned here contradict the Clauses in the “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.</p>
13.0	<p>All the Bids must be Digitally Signed using “Class 3” digital certificate (e-commerce application) only as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3” digital certificate, will be liable for rejection.</p>
14.0	<p>Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.</p>

15.0	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.
16.0	The items shall be brand new, unused & of prime quality. The manufacturer shall warrant (in the event of an order) that the product supplied will be free from all defects & fault in material, workmanship & manufacture and shall be in full conformity with ordered specifications. This clause shall be valid for 18 months from date of shipment or 12 months from date of successful installation, whichever is earlier. The defective materials, if any, rejected by OIL shall be replaced by the supplier at their own expense. Bidders must confirm the same in their quotations.
17.0	Quantity of Individual item may be increased or decrease at the time of final placement of order. The minimum FOB/FCA charges in case of partial order for reduced quantity/enhanced quantity shall have to be indicated by the bidder. In case, this is not indicated specifically, the charges quoted would be pro-rata calculated and the same will be binding on the bidder.
18.0	Any deviation(s) from the tender specification should be clearly highlighted specifying justification in support of deviation.
19.0	<p>The Integrity Pact is applicable against this tender .OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure XII of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact with the offer, their bid shall be rejected straightway.</p> <p>OIL's Independent External Monitors at present are as under:</p> <p>SHRI RAJIV MATHUR, IPS (Retd.), Former Director (IB) Govt. of India e-Mail ID : rajivmathur23@gmail.com</p> <p>SHRI SATYANANDA MISHRA, IAS(Retd.) Former Chief Information Commissioner & Ex-Secretary, DOPT, Govt. of India E-mail Id : satyanandamishra@hotmail.com</p> <p>SHRI JAGMOHAN GARG, Ex-Vigilance Commissioner, CVC e-Mail id : jagmohan.garg@gmail.com</p>
20.0	Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the original bid closing date.
21.0	Performance Security clause (Clause No. 10.0 of Section-A) of "General Terms & Conditions for Global Tenders (MM/GLOBAL/01/2005)" has been amended and the

	<p>new clause is detailed in the Amendment dated 25.04.2016 issued to MM/GLOBAL/01/2005. Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. Bidders to note the same and to confirm its acceptance in their offers.</p> <p>The Bank Guarantee issued by bank must be routed through SFMS platform as per following details:</p> <p>a. (i) "MT760/ MT760 COV for issuance of bank guarantee (ii) MT767/ MT767 COV for amendment of bank guarantee</p> <p>The above message/intimation shall be sent through SFMS by the BG issuing bank branch to Axis Bank, Duliajan Branch, IFS Code: UTIB0001129. Branch Address: Axis Bank Ltd., Duliajan Branch, Daily Bazar, Jyotinagar, Duliajan, Dist-Dibrugarh, Pin- 786602.</p> <p>b. The vendor shall submit to OIL the copy of the SFMS message as sent by the issuing bank branch along with the original bank guarantee.</p>
22.0	Bidder to sign and submit completely filled up Technical & Commercial check list and Technical Evaluation Matrix for Bid evaluation criteria and Technical specification failing which their offer will be rejected.
23.0	Payment terms: Refer to "General Terms & Conditions" for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders)
24.0	Liquidated Damage: Refer to "General Terms & Conditions" for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). The applicable GST on the Liquidated Damage shall have to be borne by the seller. Accordingly, the Liquidated Damage shall be recovered from the seller along with applicable GST.
25.0	The items covered by this enquiry is for use in DSIR (Govt. of India) registered and recognized in-house Laboratory of R&D Department and eligible for exemption of custom duty. Essentiality Certificate for availing customs duty exemption for import for item/equipment meant for R&D purpose shall be issued by GENERAL MANAGER (R&D) as and when required. However, IGST @5% shall be applicable for import of item /equipments. IGST@5% shall be applicable for indigenous bidders also.
26.0	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 in the tender is furnished vide addendum dated 21.08.2017 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 wherever applicable.
27.0	<p><u>Clauses related to GST</u></p> <p>1. For the purposes of levy and imposition of GST, the expressions shall have the following meanings:</p> <p>(a) GST - means any tax imposed on the supply of goods and/or services under GST Law.</p> <p>(b) Cess – means any applicable cess, existing or future on the supply of Goods and Services as per Goods and Services Tax (Compensation to States) Act, 2017.</p>

	<p>(c) GST Law - means IGST Act 2017, CGST Act 2017, UTGST Act, 2017 and SGST Act, 2017 and all related ancillary Rules and Notifications issued in this regard from time to time.</p> <p>2. The rates quoted by the bidders shall be inclusive of all taxes, duties and levies. However, bidders are required to provide separately the rate and amount of all types of taxes, duties and levies. In case, the quoted information related to various taxes, duties & levies subsequently proves wrong, incorrect or misleading, OIL will have no liability to reimburse the difference in the duty/ tax, if the finally assessed amount is on the higher side and OIL will have to right to recover the difference in case the rate of duty/ taxes finally assessed is on the lower side. Further, bidders have to clearly show the amount of GST separately in the Tax Invoices. Further, it is the responsibility of the bidders to make all possible efforts to make their accounting / IT system GST compliant in order to ensure availability of Input Tax Credit (ITC) to Oil India Ltd.</p> <p>3. Offers without giving any of the details of the taxes (Including rates and amounts) as specified above will be considered as inclusive of all taxes including GST. When a bidder mentions taxes as extra without specifying the rates & amount, the offer will be loaded with maximum value towards taxes received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of order on that bidder, taxes mentioned by OIL on the Purchase Order/ Contracts will be binding on the bidder.</p> <p>4. Bidders are required to pass on the benefit arising out of introduction of GST, including seamless flow of Input Tax Credit, reduction in Tax Rate on inputs as well as final goods by way of reduction of price as contemplated in the provision relating to Anti-Profiteering Measure vide Section 171 of the CGST Act, 2017. Accordingly, for supplies made under GST, the bidders should confirm that benefit of lower costs has been passed on to OIL by way of lower prices/taxes and also provide details of the same as applicable. OIL reserves the right to examine such details about costs of inputs/input services of the bidders to ensure that the intended benefits of GST have been passed on to OIL.</p> <p>5. Oil India Ltd. shall declare the value of free issue of materials and services, if any, involved in the execution of the contract. The Contractor should consider the same while working out the GST liability, if any. Further in cases where GST is leviable on any facilities provided by OIL and used by bidders and the consideration for which is recovered by OIL in the form of reduction in the invoice raised by bidders then OIL will raise GST invoices on such transactions and the same will be reimbursed by bidders.</p> <p>6. When Input tax credit is available for Set Off Evaluation of L-1 prices shall be done based on Quoted price after deduction of Input Tax Credit (ITC) of GST, if available to OIL. OIL shall evaluate the offers on the basis of the quoted rates only and any claim subsequently by the bidders for additional payment/liability shall not be admitted and has to be borne by the bidders</p> <p>When Input tax credit is NOT available for Set Off Evaluation of L-1 prices shall be done based on Quoted price only. OIL shall evaluate the offers on the basis of the quoted rates only and any claim subsequently by the bidders for additional payment/liability shall not be admitted and has to be borne by the bidders</p> <p>7. Bidders agree to do all things not limited to providing GST compliant Tax Invoices or other documentation as per GST law relating to the supply of goods and/or services covered in the instant contract like raising of and /or acceptance or rejection of credit notes / debit notes as the case may be, payment of taxes, timely filing of valid statutory Returns for the tax period on</p>
--	--

	<p>the Goods and Service Tax Network (GSTN), submission of general information as and when called for by OIL in the customized format shared by OIL in order to enable OIL to update its database etc. that may be necessary to match the invoices on GSTN common portal and enable OIL to claim input tax credit in relation to any GST payable under this Contract or in respect of any supply under this Contract.</p> <p>8. In case Input Tax Credit of GST is denied or demand is recovered from OIL by the Central / State Authorities on account of any non-compliance by bidders, including non-payment of GST charged and recovered, the Vendor/Supplier/Contractor shall indemnify OIL in respect of all claims of tax, penalty and/or interest, loss, damages, costs, expenses and liability that may arise due to such non-compliance. OIL, at its discretion, may also withhold/recover such disputed amount from the pending payments of the bidders.</p>
28.	<p><u>Tender fee is not applicable against this tender.</u></p> <ol style="list-style-type: none"> <u>1.</u> Bidders without having E-tender Login ID and Password should complete their online registration at least seven (7) 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 <u>2.</u> 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. <u>3.</u> 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. <u>4.</u> 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 communications in this regard and request for bid closing date extension on that plea shall not be entertained by Company.

I. BID EVALUATION CRITERIA

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

A.1 TECHNICAL

1. The Items shall be manufactured as specified in the Tender. Bidder must confirm.

2. Experience:

A. MANUFACTURERS EXPERIENCE: IN CASE THE BIDDER IS THE MANUFACTURER

If the bidder is a manufacturer of the offered item, then they must satisfy the following criteria for manufacturing and supply experience and furnish the relevant documentary evidences as per below along with the technical bid:

- I. The bidder (OEM) should have at least five (5) years of manufacturing experience of similar items preceding to the original bid closing date of the tender. Documentary evidence to substantiate manufacturing experience as above must be submitted in the form of self-certified copy which should be on the letter head and duly signed and sealed by CEO/CFO/any other person who holds the Power of attorney of the company or by the statutory Auditor. A copy of Power of Attorney shall also be submitted for the same. “Similar item” means Source Rock Analyser.
- II. The bidder should have manufactured and supplied minimum 01 no. of the tendered item, of same or higher specification to any E&P companies during last 5 (five) years as on original bid closing date of tender (either by themselves or through their sole selling agent/distributor/dealer/supply house). Documentary evidence in respect of manufacturing and supplying the above mentioned items should be submitted with the technical bid, in the form of copies of relevant Purchase Orders along with copies of any of the following documents in respect of satisfactory execution of each of those Purchase Orders failing which the bids will be rejected:
 - i. Satisfactory supply completion/installation report (OR)
 - ii. Consignee Receipt deliver challan (OR)
 - iii. Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/Vat. (OR)
 - iv. Commercial Invoice/Payment Invoice.

Note: a) The Purchase Order date need not be within 5 (five) years preceding original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender.

b) Satisfactory supply/completion/installation report should be issued on company's letterhead with signature and stamp.

B. IN CASE THE BIDDER IS NOT A MANUFACTURER:

If the bidder is a sole selling agent / distributor / dealer / supply house of any manufacturer, then bidder must furnish the following documents along with the technical bid failing which the bids will be rejected:

- I. Authorization certificate from the manufacturer (in original on manufacturer's letter head) should be submitted along with the technical bid. This certificate should be valid at the time of bidding and should remain valid during the entire execution period of the order.
 - II. Undertaking from the manufacturer (in original on manufacturer's letter head) guaranteeing supply of items to the bidder in the event of an order on the bidder. This certificate should be valid at the time of bidding and should remain valid during the entire execution period of the order.
 - III. Warranty backup from the manufacturer in original on manufacturer's letter head against the quality of the tendered item as specified in the tender.
 - IV. Documentary evidence in respect of manufacturer's supply experience as specified under para 2.A (II) from the concerned manufacturer (having supplied such items either by manufacturer themselves or through their sole selling agent / distributor / dealer / supply house).
 - V. Documentary evidence in respect of bidder's own supply experience of supplying minimum 01 no. of the tendered item, of same or higher capacity and same or higher sizes, during last 5 (five) years as on original bid closing date of the tender as specified in the para 2.A.(II).
3. If the bidder is manufacturer and has supplied minimum 01 no. of tendered item (of same specification or higher) to OIL during last 5 (five) years as on original bid closing date of the tender either by themselves or through their sole selling agent/distributor/dealer/supply house and whose past performance has been satisfactory, the bidder need not satisfy Clause 2.A. II. In this situation the bidder shall have to indicate the Purchase Order (P.O.) Nos. of OIL in their technical bid.
4. If the bidder is sole selling agent / distributor / dealer / supply house of any manufacturer and has submitted bid of the manufacturer who has supplied the minimum 01 no. of tendered item (of same or higher specification) to OIL during last 5 (five) years as on original bid closing date of the tender either by themselves or through their sole selling agent / distributor / dealer / supply house and whose past performance has been satisfactory, the manufacturer need not satisfy Clause 2.A. II. In this situation the bidder shall have to indicate the Purchase Order (P.O.) Nos. of OIL executed by that manufacturer in their technical bid.
5. The bidder must have authorized servicing centre with adequate number of factory trained service engineers based in India (either directly or through an Indian agency) for installation and servicing of the instrument. The factory trained service engineers must have previous experience of installation and servicing of the model of the instrument being offered. The detailed CV of the service engineers based in India must be enclosed.

6. Bidder should categorically confirm in the technical bid a delivery schedule within **Four (04) months**, FOB Port of dispatch, after establishment of letter of credit (in case of foreign bidder) or for dispatch of the equipment within **Four (04) months** after receipt of formal order (in case of indigenous bidder) failing which their offer will be rejected."

7. Bidder must accept and comply with the following clauses as given in the Bid Document, failing which bid shall be liable for rejection:

- a. Liquidated Damages
- b. Guarantee of material
- c. Arbitration / Resolution of Dispute
- d. Force Majeure
- e. Applicable Laws

A.2 Financial Criteria:

- 1.0 **Annual Turnover:** The bidder shall have an annual financial turnover of minimum **US\$ 2,09,035.74 or Rs. 155.00 Lakhs** during any of the preceding 03 (three) financial years reckoned from the original bid closing date, irrespective of whether their bid is for all the tendered items or not.
- 2.0 "Net Worth" of the bidder should be positive for the financial/accounting year just proceeding 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 **2017-2018** (As the case may be) has actually not been audited so far'.

Note:

- a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid:-
 - i) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in **ANNEXURE-IV**.
 - OR
 - ii) Audited Balance Sheet along with Profit & Loss account. In case of Foreign bidders, self-attested/digitally signed printed published accounts are also acceptable
- b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.

- 4.0 In case the Audited Balance Sheet and Profit & Loss Account submitted along with the bid are in currencies other than INR or US\$, the bidder shall have to convert the figures in equivalent INR or US\$ considering the prevailing conversion rate on the date of Balance Sheet and Profit & Loss Account. A CA certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US\$.

A.3 COMMERCIAL

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

- 1.0 Bids are invited under **Single Stage Two Bid System**. Bidders shall quote accordingly under Single Stage Two Bid System. **Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid.** The “Unpriced Bid” shall contain all techno-commercial details except the prices, which shall be kept blank. The “Price Bid” must contain the price schedule and the bidder’s commercial terms and conditions.

Bidder not complying with above submission procedure will be rejected.

- 2.0 The prices offered shall 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.
- 3.0 Bids received in physical form against online invitation through e-portal shall be rejected (except the documents specifically called for in hard copies, if any). Similarly, Bids received after the bid closing date and time shall be rejected. Also, modifications to bids received after the bid closing date & time shall not be considered.
- 4.0 Bids containing incorrect statement shall be rejected.
- 5.0 Validity of the bid shall be **minimum 120 days** from the date of actual Bid Closing Date. Bids with lesser validity will be straightway rejected.
- 6.0 **Bid Security in ORIGINAL** shall be furnished by the Bidder as a part of their Bid. The amount of Bid Security & its validity shall be specified in the covering letter of this bid document. **Any bid not accompanied by a proper bid security in ORIGINAL shall be rejected without any further consideration.** A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and/or if the Bid Security validity is shorter than the validity indicated in Tender and/or if the Bid Security amount is lesser than the amount indicated in the Tender.
- 6.1 For exemption for submission of Bid Security please refer Clause No. 9.8 (Section A) of “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders).
- 7.0 Bidders must confirm that Goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of 18 months from the date of shipment/dispatch or twelve (12) months from the date of successful installation of the items, whichever is earlier against any defects arising from faulty materials, workmanship or design. Defective

goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplier's expenses at no extra cost to OIL.

- 8.0 Successful bidder shall be required to furnish a Performance Security equivalent to ten (10%) of total evaluated value of Order, which should remain valid throughout the period execution, including extension, if any. The successful bidder shall submit Performance Security within 30 days of award, failing which OIL reserves the right to cancel the order and forfeit their Bid Security. Bidders should undertake in their bids to submit Performance Security as stated above
- 9.0 Offers should be submitted along with Integrity Pact duly signed by the authorized signatory of the bidder. If any bidder refuses to sign Integrity Pact or declined to submit Integrity Pact with the offer, their bid shall be rejected straightway.
- 10.0 All the tendered items are to be procured from the same source; hence bidders are requested to quote accordingly for all the items, else their bid will be rejected straightway.
- 11.0 Bidders are required to submit the summary of the prices in their price bids as per bid format (Summary), given below(**strike out whichever is not applicable**).

(i) Price Bid Format (SUMMARY) for Foreign Bidders:

- (A) Basic Material Value (to indicate HSN code):**
(B) Packing & FOB charges:
(C) FOB Value, A+B:
(D) Ocean Freight Charges up to Kolkata, India:
(E) Banking & Insurance, @1.5% of D :
(F) CIF Value, C+D+E:
(G) IGST @ 5% on F:
(H) Compensatory Cess, if any:
(I) CIF+GST Value, F+G+H:
(J) Training Charges, if any:
(K) Applicable rate of GST on J:
(L) Installation & Commissioning Charges, if any:
(M) Applicable rate of GST on L:
(N) AMC Charges, if any:
(O) Applicable rate of GST Charges on N:
(P) Cost of AMC operational/maintenance spares, if any:
(Q) Applicable rate of GST charges on P:
(R) Total, I+J+K+L+M+N+O+P+Q:
(S) Total Value in words :
(T) Gross Weight:
(U) Gross Volume :

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

- (A) Basic Material Value (to indicate HSN code):**
(B) Packing & Forwarding charges, if any:
(C) Total Ex-Works Value, A+B:
(D) Applicable rate of GST on C:
(E) Compensatory Cess, if any:
(F) Total FOR Despatching Station Value, C+D+E:
(G) Inland Freight Charges upto Duliajan, Assam including GST:

- (H) **Transit Insurance Charges, if any including GST:**
- (I) **Training Charges, if any:**
- (J) **Applicable rate of GST on I:**
- (K) **Installation & Commissioning Charges, if any:**
- (L) **Applicable rate of GST on K:**
- (M) **AMC Charges, if any:**
- (N) **Applicable rate of GST on M:**
- (O) **Cost of AMC operational/maintenance spares, if any:**
- (P) **Applicable rate of GST on O:**
- (Q) **Total, F+G+H+I+J+K+L+M+N+O+P:**
- (R) **Total Value in words :**
- (S) **Gross Weight:**
- (T) **Gross Volume:**
- (U) **Import Content, if any:**

12.0 Bidder shall accept and comply with the following clauses as given in the Bid Document, failing which bid shall be liable for rejection:

- i) Liquidated Damages
- ii) Warranty/Guarantee of material
- iii) Arbitration / Resolution of Dispute
- iv) Force Majeure
- v) Applicable Laws

13.0 A bid shall be rejected straightway if it does not conform to any one of the following clauses:

- a) Validity of bid shorter than the validity indicated in the Tender.
- b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.
- c) Bid Security with (i) validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.

B) BID EVALUATION CRITERIA

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

B.1 BID EVALUATION CRITERIA:

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

1.0 The evaluation of bids shall be done as per the Price Bid Format (SUMMARY) provided in the Tender and detailed below

- 2.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.
- 3.0 For conversion of foreign currency into Indian currency, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of price bid opening shall be considered. However, if the time lag between the opening of the bids and final decision exceed 3(three) months, then B.C. Selling(Market) rate of exchange declared by SBI on the date prior to the date of final decision shall be adopted for conversion and evaluation.
- 4.0 To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections / adjustments given herein.

Note: 1) Domestic Bidders must quote inland freight charges upto Duliajan. In case bidder fails to quote inland freight charges, highest freight quoted by domestic bidder (considering pro-rata distance) against this tender or OIL's estimated freight, whichever is higher, shall be loaded to their offer for comparison purpose.

2) 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.

4.1 When only foreign bidders are involved:

The Total Value of Foreign bidder as worked out as per para **A.3 11.0 (i) R** shall be compared

NOTE: *Banking charge in the country of the foreign bidder shall be borne by the bidder. Banking charge 1% for payment through Letter of Credit. And 1.5 % if confirmed LC at buyer's account is required.

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

The Total Value of Domestic bidder as worked out as per para **A.3 11.0 (ii) Q** shall be compared

4.3 When both foreign and domestic bidders are involved:

The Total Value of domestic bidder as worked out as per para **A.3 11.0 (ii) Q (excluding G & H)** above and Total Value of the foreign bidder worked out as per Para **A.3 11.0 (i) R** above will be compared.

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

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

Clauses in the General Terms & Conditions of Global Tender of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.

&&&&&&&&&

CHECK LIST

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

A.COMMERCIAL

Sl#	REQUIREMENT	COMPLIANCE
1.0	Whether bid submitted under Single Stage Two Bid System?	Yes / No
2.0	Whether quoted as manufacturer?	Yes / No
3.0	Whether ORIGINAL Bid Bond (not copy of Bid Bond) as per Revised Format(Annexure VII Revised) Sent separately? If YES, provide details	Yes / No
	(a) Amount :	
	(b) Name of issuing Bank :	
	(c) Validity of Bid Bond :	
4.0	Whether offered firm prices ?	Yes / No
4.1	Whether quoted offer validity of 120 days from the bid closing date of tender?	Yes / No
4.2	Whether quoted a firm delivery period?	Yes / No
4.3	Whether agreed to the NIT Warranty clause?	Yes / No
5.0	Whether confirmed to submit PBG as asked for in NIT?	Yes / No
5.1	Whether agreed to submit PBG within 30 days of placement of order?	Yes / No
6.0	Whether Price submitted as per Price Schedule (refer Para A3 (11.0) of BRC vide Annexure – II)?	Yes / No
6.1	Whether cost of Recommended Spares for 2 years of operations quoted?	YES/NO
7.0	Whether quoted as per NIT (without any deviations)?	Yes / No
7.0	Whether quoted any deviation?	Yes / No
7.1	Whether deviation separately highlighted?	Yes / No
8.0	Whether indicated the country of origin for the items quoted?	Yes / No
8.1	Whether technical literature / catalogue enclosed?	Yes / No
8.2	Whether weight & volume of items offered indicated?	Yes / No
9.0	For Foreign Bidders - Whether offered FOB / FCA port of despatch including sea / air worthy packing & forwarding?	Yes / No
9.1	For Foreign Bidders – Whether port of shipment indicated. To specify:	Yes / No
9.2	For Foreign Bidders only - Whether indicated ocean freight up to Kolkata port (Excluding marine insurance) ?	Yes / No
9.3	Whether Indian Agent applicable ?	Yes / No
	If YES, whether following details of Indian Agent provided?	

	(a) Name & address of the agent in India – To indicate	
	(b) Amount of agency commission – To indicate	
	(c) Whether agency commission included in quoted material value?	
10.0	For Indian Bidders – Whether indicated the place from where the goods will be dispatched. To specify :	Yes / No
10.1	For Indian Bidders – Whether road transportation charges up to Duliajan quoted?	Yes / No
10.2	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	Yes / No
10.3	For Indian Bidders only - Whether indicated import content in the offer?	Yes / No
10.4	For Indian Bidders only - Whether offered concessional GST rate?	Yes / No
10.5	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted?	Yes / No
11.0	Whether all BRC/BEC clauses accepted ?	Yes / No
12.0	Whether Integrity Pact with digital signature uploaded?	Yes / No
12.1	Whether all the clauses in the Integrity Pact have been accepted?	Yes / No

B. TO BE FILLED UP IN DETAIL:

Sl No	Requirement	Bidder's Reply
01	Make and Model of the Items	
02	Bid validity	
03	Payment Terms	
04	Guarantee/Warranty Terms	
05	Delivery Period	
08	Port of Despatch / Despatching Station	
09	Confirm submission Integrity pact, if required as per NIT	

10	Confirm submission PBG, if required as per NIT	
11	Compliance to: a) Liquidated Damage b) Warranty/Guarantee c) Arbitration/Resolution of Dispute d) Force Majeure e) Applicable laws	
12	Exception/Deviations quoted, if any, to be given in details or refer to respective page of the bid documents	

Signature _____

Name _____

Designation _____

.....

CERTIFICATE OF ANNUAL TURNOVER & NET WORTH

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

TO WHOM IT MAY CONCERN

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

YEAR	TURN OVER In INR (Rs.) Crores/ US \$ Million) *	NET WORTH In INR (Rs.) Crores / US \$ Million) *

*Rate of conversion (if used any): USD 1.00 = INR

Place:

Date:

Seal

Membership No:

Registration Code:

Signature

***Applicable only for GLOBAL tenders**

**TECHNICAL EVALUATION MATRIX
(TO BE FILLED IN BY BIDDER DULY SIGNED)**

BID EVALUATION CRITERIA (TO BE FILLED BY THE BIDDER)

SL. No.	BEC /BRC (Technical) Clause Description	Bidder's Response (complied/not-complied)	Relevant Page no. of the Bid to support Bidder's response
1	<p><u>BID EVALUATION CRITERIA (BEC)/BID REJECTION CRITERIA(BRC)</u></p> <p>The bids must conform to the specifications, terms and conditions given in the NIT. Bids shall be rejected in case the items offered do not conform to the required minimum/ maximum parameters stipulated in the technical specifications and to the respective international/ national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected.</p>		
2	1. The Items shall be manufactured as specified in the Tender. Bidder must confirm.		
3	<p>2. Experience:</p> <p>A. MANUFACTURERS EXPERIENCE: IN CASE THE BIDDER IS THE MANUFACTURER</p>		
4	If the bidder is a manufacturer of the offered item, then they must satisfy the following criteria for manufacturing and supply experience and furnish the relevant documentary evidences as per below along with the technical bid:		
5	I. The bidder (OEM) should have at least five (5) years of manufacturing experience of similar items preceding to the original bid closing date of the tender.		

	Documentary evidence to substantiate manufacturing experience as above must be submitted in the form of self-certified copy which should be on the letter head and duly signed and sealed by CEO/CFO/any other person who holds the Power of attorney of the company or by the statutory Auditor. A copy of Power of Attorney shall also be submitted for the same. “Similar item” means Source Rock Analyser.		
6	II. The bidder should have manufactured and supplied minimum 01 no. of the tendered item, of same or higher specification to any E&P companies during last 5 (five) years as on original bid closing date of tender (either by themselves or through their sole selling agent/distributor/dealer/supply house). Documentary evidence in respect of manufacturing and supplying the above mentioned items should be submitted with the technical bid, in the form of copies of relevant Purchase Orders along with copies of any of the following documents in respect of satisfactory execution of each of those Purchase Orders failing which the bids will be rejected: i. Satisfactory supply completion/installation report (OR) ii. Consignee Receipt deliver challan (OR) iii. Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/Vat. (OR) iv. Commercial Invoice/Payment Invoice.		
7	Note: a) The Purchase Order date need not be within 5 (five) years preceding original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender.		
8	b) Satisfactory supply/completion/installation report should be issued on company's letterhead with signature and stamp.		
9	B. IN CASE THE BIDDER IS NOT A MANUFACTURER:		
10	If the bidder is a sole selling agent / distributor / dealer / supply house of any manufacturer, then bidder must furnish the following documents along with the technical bid failing which the bids will be rejected.		
11	I. Authorization certificate from the manufacturer (in original on manufacturer's letter head) should be submitted along with the technical bid. This certificate		

	should be valid at the time of bidding and should remain valid during the entire execution period of the order.		
12	II. Undertaking from the manufacturer (in original on manufacturer's letter head) guaranteeing supply of items to the bidder in the event of an order on the bidder. This certificate should be valid at the time of bidding and should remain valid during the entire execution period of the order.		
13	III. Warranty backup from the manufacturer in original on manufacturer's letter head against the quality of the tendered item as specified in the tender.		
14	IV. Documentary evidence in respect of manufacturer's supply experience as specified under para 2.A (II) from the concerned manufacturer (having supplied such items either by manufacturer themselves or through their sole selling agent / distributor / dealer / supply house).		
15	V. Documentary evidence in respect of bidder's own supply experience of supplying minimum 01 no. of the tendered item, of same or higher capacity and same or higher sizes, during last 5 (five) years as on original bid closing date of the tender as specified in the para 2.A.(II).		
16	3. If the bidder is manufacturer and has supplied minimum 01 no. of tendered item (of same specification or higher) to OIL during last 5 (five) years as on original bid closing date of the tender either by themselves or through their sole selling agent/distributor/dealer/supply house and whose past performance has been satisfactory, the bidder need not satisfy Clause 2.A. II. In this situation the bidder shall have to indicate the Purchase Order (P.O.) Nos. of OIL in their technical bid.		
17	4. If the bidder is sole selling agent / distributor / dealer / supply house of any manufacturer and has submitted bid of the manufacturer who has supplied the minimum 01 no. of tendered item (of same or higher specification) to OIL during last 5 (five) years as on original bid closing date of the tender either by themselves or through their sole selling agent / distributor / dealer / supply house and whose past performance has been satisfactory, the manufacturer need not satisfy Clause 2.A. II. In this situation the bidder shall have to indicate the Purchase Order (P.O.) Nos. of OIL executed by that manufacturer in their technical bid.		

18	5. The bidder must have authorized servicing centre with adequate number of factory trained service engineers based in India (either directly or through an Indian agency) for installation and servicing of the instrument. The factory trained service engineers must have previous experience of installation and servicing of the model of the instrument being offered. The detailed CV of the service engineers based in India must be enclosed.		
19	6. Delivery Clause: Bidder should categorically confirm in the technical bid a delivery schedule within Four (04) months , FOB Port of dispatch, after establishment of letter of credit (in case of foreign bidder) or for dispatch of the equipment within Four (04) months after receipt of formal order (in case of indigenous bidder) failing which their offer will be rejected."		
20	A.2 FINANCIAL CRITERIA:		
21	1.0 Annual Turnover: The bidder shall have an annual financial turnover of minimum US\$ 2,09,035.74 or Rs 155.00 lakhs during any of the preceding 03 (three) financial years reckoned from the original bid closing date, irrespective of whether their bid is for all the tendered items or not of the tender.		
22	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).		
23	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 has actually not been audited so far'. Note: (a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the technical bid:-		

	<p>i) A certificate issued by a practicing Chartered Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in ANNEXURE-IV.</p> <p style="text-align: center;">OR</p> <p>ii) Audited Balance Sheet along with Profit & Loss account. In case of Foreign bidders, self-attested/digitally signed printed published accounts are also acceptable</p> <p>(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.</p>		
24	<p>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\$.</p>		

TECHNICAL EVALUATION SHEET

Sub: Bid for “Procurement of Source Rock Analyser”

SL. No.	Tender Specification	Bidders Remarks (Complied / Not Complied /Deviation)	Relevant Page number of their Bid to support the remarks / Compliance	Remarks*
1.	Source Rock Analyser			
2.	The complete supply must be provided by a single vendor.			
3.	The system must be capable of determining the following parameters: S1, S2, S3, Tmax, true temperature and Total Organic Carbon.			
4.	The system must have an auto-sampler, separate pyrolysis oven and oxidation oven, one Flame Ionization Detector for detection of hydrocarbons and two no of Infrared Detectors for simultaneous determination of CO and CO2.			
5.	The bidder must have sold at least two instruments (of the same model as offered in the bid) in the last three years. Documentary support in the form of purchase order and satisfactory installation/performance must be provided in support of the claim.			
6.	The equipment is to be used for characterization of petroleum source rocks. Small quantity (about 100 mg) of pulverized rock samples are to be analyzed by programmed pyrolysis in an inert atmosphere. The analysis should provide data on Total Organic Carbon content, free hydrocarbon content, hydrocarbon generative potential, organic matter type, thermal maturity of organic matter, mineral carbon and hydrocarbon generative kinetic parameters of organic matter.			
7.	Bidder must have factory trained certified service engineer based in India (either directly or through an authorized Indian Agency) for installation and servicing of the equipment, the factory trained service engineer must have previous experience of installation and servicing of model of the instrument being offered. The detailed CV along with the documentary proof of the service engineer must be enclosed with the bid.			

8.	The bidder must submit the references of three or more peer reviewed publications in international journals like “AAPG”, “Organic Geochemistry”, “Marine and Petroleum Geology”, “Geochimica et Cosmochimica Acta”, “Journal of Petroleum Geology”, “Science” or “Nature”, demonstrating application of the data generated through the offered equipment for petroleum exploration purpose.			
9.	The equipment should provide data on amounts of free hydrocarbon (S1), hydrocarbons generated through thermal cracking of non-volatile organic matter (S2) using a Flame Ionization Detector (FID), the oxygen content in organic matter (S3) using IR detector, the temperature at which the maximum release of hydrocarbons from cracking of kerogen occurs during pyrolysis (Tmax), Total Organic Carbon (TOC), mineral carbon and hydrocarbon generation kinetic parameters.			
10.	The instrument should be capable of recording and measuring parameters mentioned in point 9 and also should have interpretation reporting facilities.			
11.	The entire operation of the equipment should be controlled by a user friendly software loaded on PC based microprocessor.			
12.	The instrument should have in-built safety protection system for power failure.			
13.	The instrument should be rugged and able to work round the clock without interruption.			
14.	The equipment should be new and of recent model/version of manufacture.			
15.	The instrument should be complete and supplied in ready to use condition.			
16.	Power Supply: 220 Volt: +/- 10 Volts; 50 Hz, Single phase AC			
17.	Environmental conditions: Operating Temperature: 5 to 50 degree centigrade Relative humidity: up to 95 % without condensation.			
18.	The instrument should be equipped with one auto sampler, one pyrolysis oven, separate oxidation oven, one flame ionization detector and two no's of IR Cells for continuous detection of CO & CO ₂ during pyrolysis phase and oxidation phase in parallel. The system should have temperature programming facility during the pyrolysis cycle and oxidation cycle in order to get a good separation between mineral carbon and organic carbon.			
19.	The auto sampler unit shall consist of a sample holder unit with a minimum capacity of 48 crucibles and all necessary accessories to automatically convey the sample to the oven in a predetermined sequence. All piston movement should be electrically driven.			

20.	PYROLYSER UNIT It should consist of an oven for pyrolysing the sample at controlled temperatures to a maximum			
	temperature of at least 650°C. It should be made of heat and corrosion resistant material and complete with suitable heating element to ensure temperature homogeneity of the sample crucible. Should have thermocouples to control precise heating of the oven and provide true Tmax. It should have automatic air or suitable cooling system. It should be suitably coupled with other parts of the equipment such as detector system, splitter etc. and ensure easy accessibility for repairs/replacement/maintenance. Suitable traps for collecting heavy hydrocarbons and moisture should be provided.			
21.	OXIDATION UNIT It should consist of an oven for oxidation of the sample at controlled temperatures to a maximum temperature 850°C. It should be made of heat and corrosion resistant material with suitable heating element to ensure temperature homogeneity of the sample crucible. It should have provision for cooling the ovens through air. It should be suitably coupled with other parts of the equipment such as detector system and ensure easy accessibility for repairs/replacement/maintenance. Suitable traps for collecting sulphur dioxide and moisture should be provided.			

22.	<p>PROGRAMMABLE TEMPERATURE CYCLES</p> <p>Temperature program: Multiple rates with 5 possible slopes (for Multi Heating Rate method)</p> <p>Temperature Range: From 100°C to 850°C (for rates less than 2°C per minute, the maximum temperature may be limited to 700°C)</p> <p>Temperature rates: adjustable from 0.1 upto 50°C/minute, with steps of 0.1°C/minute.</p> <p>Temperature measurement: by a thermocouple located in the piston holding the crucible, directly under the sample.</p> <p>Both oxidation and pyrolysis ovens should be temperature programmable as outlined above. The instrument should have pre-programmed analysis methods for crude rocks, organic matter, preparative analysis, tar mat etc. For each method, there should be</p> <p style="padding-left: 40px;">Default cycle, i.e., with preset parameters</p> <p style="padding-left: 40px;">User programmable cycles which allow the operator to determine his own parameters.</p>			
23.	<p>DETECTOR UNITS</p> <p>The detection system for free and pyrolytically generated hydrocarbons should be a flame ionization detector with a sensitivity range from 100 pA to 1 µA.</p>			

	For detection of CO ₂ /CO both from pyrolysis oven and oxidation ovens, two no's of sensitive IR Cell should be provided. The IR cell should have calibration system. Minimum sensitivity should be 25 ppm for CO ₂ and 12 ppm for CO.			
24.	<p>DATA ACQUISITION AND CONTROL SYSTEM (HARDWARE)</p> <p>Processor: The following minimum specifications are required</p> <p style="padding-left: 40px;">Model: Dell/HP-Compaq/IBM</p> <p style="padding-left: 40px;">Processor: Intel ® Core i7 Processor, 3.6 GHz (Base frequency) or higher, 8 MB Cache, 4 cores</p>			
	<p>Memory: Minimum 8-GB (2 X 4GB) DDR4 SDRAM 2400-MHz or higher</p>			
	<p>Hard Disk: Minimum 1 TB SATA 3Gbps HDD (minimum), 7200 rpm</p>			
	<p>Generation: Generation of the processor must be 7th Generation or higher with specification as given for processor.</p>			
	<p>Chipset: Intel Q Series Chipset Vpro Enabled (Q270)</p>			
	<p>Optical: 16X DVD +/-RW with Dual Layer Write</p>			

	Capabilities:	(Preferably same make & color as CPU box). Complete with driver software on CD media, standard accessories and cables			
	Ethernet: Expansion Slots Audio & Sound:	Integrated 10/100/1000 Mbps Ethernet Controller and IPV6 compliant : Min 2 nos of PCI series slots. Integrated HD audio controller with 1 set of speaker with minimum 2 watts (rms) output.			
	Monitor:	OEM 21.5 diagonal viewable image size: 21.5 diagonal Flat Panel LED Monitor (1920 x 1080 Resolution) with standard accessories and cables (same make & color as CPU box) & TCO certified and having height adjustable or tiltable arrangement .The video cable from the monitor to the computer should connect the units without using any separate adapter as converter.			
	I/O Interface: Note: Out of the six USB ports, at least one port must be USB 3.0 port. System Chassis:	Front I/O Ports: Minimum 2 x USB 2.0 ports Headphone and Microphone Jacks Rear I/O Ports: 1xVGA (D-sub) video port/DVI Port/HDMI port 4 x USB 2.0 ports (Minimum) 1 x Fast Serial Port 1 x Gigabit Ethernet (RJ-45) port Headphone and Microphone Jacks B Slim chassis with enough cooling fans, one free internal peripheral bay and suitable power supply with volume 8-14			
		liters			
	Keyboard:	104 Keys OEM keyboard (Same make & color as CPU box)			
	Mouse:	OEM USB optical scroll mouse with mouse pad (Preferably same make & color as CPU box)			
	Power Supply:	250Watts with 85% Power efficiency (IE252)			
	OS:	OEM factory Preloaded Genuine software which will be compatible with the instrument with recovery CD and latest service pack in DVD/CD media & documentation			

	Others:	Power Cables All system drivers, monitor drivers and operating system on DVD/CD media Power Extension spike guard with 4nos.of 5Amps output, Surge Protector, Make: Rider/Anchor/Crabtree Patch cord- Make: AMP / AVAYA and 3m length			
25.	DATA ACQUISITION AND CONTROL SYSTEM (HARDWARE) Printer: The following minimum specifications are required Make: HP/EPSON Print Speed: Black: Minimum 24 ppm/ipm Color: Minimum 15 ppm/ipm Media Size: Legal, letter, executive, A4, A5, A6 etc. Media Type: Paper, envelopes, transparencies, labels. Print Resolution: Minimum 600 dpi Optical Scan Resolution: 1200 dpi Minimum Memory: 128 MB RAM Duty Cycle: 35,000 pages/month minimum Connectivity: USB port with Cable Others: Power Cable and full capacity Original Cartridge				
26.	DATA ACQUISITION AND CONTROL SYSTEM (SOFTWARE) Data acquisition and control The software for data acquisition and control should have following features Real time acquisition and digitization of signals from FID and IR detectors. Command of input/output and (C) control of heating programs, Communication with the workstation through RS 232 connection. Communication with the CO/CO ₂ IR analyzer through RS 232 connection for signal acquisition, control of auto-zero function, complete control of IR cell, IR cell calibration verification.				

	<p>Signal alarm indicating overheating detection of one oven or any defect of temperature regulation.</p> <p>Allow calibration of data.</p> <p>Diagnose the operational errors and its speedy rectification.</p> <p>Compute various parameters from acquired signals.</p> <p>Store signal data, curves, results and reports.</p> <p>Allow reprocessing of stored signals with new standards.</p> <p>Allow creation of reservoir cycle.</p>			
27.	<p>DATA ACQUISITION AND CONTROL SYSTEM</p> <p>Software for data interpretation</p> <p>The data interpretation software should have capability to import data from the instrument data acquisition software. It should be possible to prepare a geochemical log that plots various parameters obtained by the instrument against depth. The software should have in-built standard plots for the geochemical parameters obtained by the instrument with interpretation guidelines. It should also be possible to plot any two user defined parameters. It should be possible to determine geochemical kinetic parameters of thermal cracking of source rock sample/ kerogen into hydrocarbons for kinetic modeling.</p>			
28.	<p>The equipment should have suitable generators for generation of dried (moisture/hydrocarbon/CO₂ free) pure air, pure nitrogen (minimum 99.999%), pure hydrogen (minimum 99.999%) for trouble free running of instrument. The supplier should provide certificate of purity along with the generators.</p>			
29.	<p>All necessary first line spares and consumables including 100 crucibles, calibration standard (50 grams), CO/CO₂ calibration gas cylinder with manometer and needle nupro valve, drying agents & other necessary adsorbent material used in traps of air/gas lines of the equipment, leak detector solution in sufficient quantity and all unions, nuts, ferrules, tubing, fuses for trouble free operation for two years to be provided along with the equipment. This will be part of cost evaluation of bid. List of such first line spares and consumables with their quantity should be submitted along with the techno-commercial bid.</p>			
30.	<p>Electronic analytical balance capable of measuring up to 0.0001g should be provided.</p>			
31.	<p>The Bidder/supplier should clearly mention the Installation and Commissioning terms (Free-of-Cost / chargeable as extra). In case the supplier wishes to charge an additional amount for installation and commissioning, they should clearly mention the installation term and the</p>			

	chargeable amount in their offer.			
32.	After installation and commissioning the equipment should be tested for data repeatability and smooth operation round the clock without any interruption. Sample should give repeatability results within the following limits: S2 = +/- 4%, Tmax = +/- 2°C, TOC = +/- 2%, S3 = +/- 16%, S3 CO = +/- 7%, MINC = +/- 3%			
33.	ANNUAL MAINTENANCE CONTRACT Charges for the Annual Maintenance Contract (AMC) for four years, after the warranty period is over, should be quoted with year wise break up which shall be considered for bid evaluation. While quoting for AMC, the bidder should take into account two (02) preventive maintenance visit and two (02) breakdown visits per year by an OEM trained and authorized service engineer. In case of breakdown visit, the service engineer must come to attend the equipment to make it operational within 15 (fifteen) days after receiving the intimation. In case he cannot rectify the problem during his first visit, and has to visit again to rectify the problem reported/identified originally, all those visits would be considered as single breakdown visit. Spares required, if any, during the maintenance contract period will be provided by OIL. The bidders must submit a written undertaking that they would be able to provide AMC service at the quoted rates after expiry of warranty.			

* **Remarks:** to be filled in, if any. Additionally, Bidders are required to Fill-in and submit Format – A “No Deviation Confirmation”, without which the offer shall be treated as incomplete and liable for rejection.

Place: [Signature of Authorized Signatory of Bidder]
Date: Name:
Designation:
Seal:

NO DEVIATION CONFIRMATION

Ref. No. _____ Date: _____

From: _____ (Insert name and address of Bidding Entity)

Tel.:

Fax:

E-mail address:

To

GM (MATERIALS)

MATERIALS DEPARTMENT

OIL INDIA LIMITED

DULIAJAN

District : DIBRUGARH (Assam)

PIN 786602

Sub: Bid for “ _____ ”

Tender No :

Dear Sir,

We understand that any 'deviation / exception' in any form may result in rejection of Bid. We, therefore, certify that we have not taken any 'exception / deviation' anywhere in the Bid and we agree that if any 'deviation / exception' is mentioned or noticed, our Bid may be rejected.

Place: [Signature of Authorized Signatory of Bidder]

Date: Name:

Designation:

Seal:

**Format of undertaking by Bidders towards submission of authentic information/documents
(To be typed on the letter head of the bidder)**

Ref. No _____

Date _____

Sub: Undertaking of authenticity of information/documents submitted

Ref: You're tender No. _____ **Dated** _____

To,
The HOD-Materials
Materials Deptt,
OIL, Duliajan

Sir,

With reference to our quotation against your above-referred tender, we hereby undertake that no fraudulent information/documents have been submitted by us.

We take full responsibility for the submission of authentic information/documents against the above cited bid.

We also agree that, during any stage of the tender/contract agreement, in case any of the information/documents submitted by us are found to be false/forged/fraudulent, OIL has right to reject our bid at any stage including forfeiture of our EMD and/or PBG and/or cancel the award of contract and/or carry out any other penal action on us, as deemed fit.

Yours faithfully,
For (type name of the firm here)

Signature of Authorised Signatory

Name :

Designation :

Phone No.

Place :

Date :

(Affix Seal of the Organization here, if applicable)

-----**End of Document**-----