



Oil India Limited
(A Govt. of India Enterprise)
P.O. Duliajan – 786602, Assam

Telephone No. (91-374) 2808793

Fax No: (91-374) 2800533

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

Tender No. & Date: SDG 3458P17/07 dated: 02.01.2017

Tender Fee : INR 6,000.00 OR USD 100.00
Bid Security Amount : INR 71,200.00 OR USD 1032.00

Bidding Type : SINGLE STAGE COMPOSITE BID SYSTEM

Period of Sale of
Bid Documents : **From 19.01.2017 to 01.03.2017; 15:30 Hrs (IST)**

Bid Closing on : **08.03.2017 (at 11.00 Hrs. IST)**

Bid Opening on : **08.03.2017 (at 14.00 Hrs. IST)**

Bid Validity : Bid Should be valid for **90 days** from bid closing date.

Bid Bond Validity : Bid Bond Should be valid up to **08.09.2017**

Performance Guarantee : **Applicable @ 10% of Order value**

Integrity Pact : **Not Applicable**

OIL INDIA LIMITED invites Global Tenders for items detailed below:

Item No.	MATERIAL DESCRIPTION	QTY.	UOM
<u>10</u>	<p>Auto-titrator for performing all types of potentiometric titrations in aqueous and non-aqueous phases.</p> <p>A. Features of the system:</p> <p>1) Auto-titrator system having capability to carry out all types of potentiometric titrations e.g. complexometric, acid-base, redox, argentometric, precipitation, iodometric, non-aqueous etc. as well as pH, mV, temperature & concentration measurements.</p> <p>2) Simultaneous Titration Facility one after another to perform any two titration application simultaneously without disturbing the setup.</p> <p>3) Automatic recognition of the basic instrument and all the peripheral devices connected to it by the software like automatic burette recognition, automatic sensor recognition, and automatic dosing drive recognition features with intelligent chips.</p> <p>4) Facility to connect minimum four titrating burettes for different types of titrations.</p> <p>5) Equipped with one volumetric Karl Fischer Titration unit</p> <p>6) Facility to have customized calculation.</p> <p>7) Facility to connect minimum two (02) auxiliary burettes for the addition of auxiliary solution or buffer solution needed</p>	01	No.

e-Tender No. SDG3458P17/07

	<p>for titrations and back titrations.</p> <p>8) Facility to upgrade the system to connect minimum 7 titrating burettes in the future.</p> <p>9) System should have the remote port to connect to the sample changer/autosampler whenever required.</p> <p>10) Real time curve display</p> <p>11) Power: 220-230V/50Hz</p> <p>12) Operation: From Touch pad and/or PC</p> <p>13) Interfaces: Dual RS-232/ USB ports for attachment of balances, autosampler, printer, PC, barcode reader etc.</p> <p>B. Dosing Drives:</p> <p>1) Plug and play type dosing drives, automatically recognized by titrator on connection and can be used immediately for analysis without further configuration.</p> <p>2) Electronics parts of the drive should not be damaged due to reagent spill or leak from burette.</p> <p>3) Flexibility to interchange titrants without contamination</p> <p>4) Simple to connect and automatic recognition of dosing drives</p> <p>5) Quantity required: 02 Nos.</p> <p>C. Burette/Dosing Units:</p> <p>1) Type: Intelligent burette with latest burette technology and chip which can automatically detect the burette volume, reagent type and titer validity etc. irrespective of the drives on which the burettes with the titrants are present.</p> <p>2) Possibility to mount the Burette with the Basic Instrument unit</p> <p>3) Facility to see and remove air bubble, if any, from the dosing cylinder</p> <p>4) Rinsing and preparation of the dosing unit can be carried out automatically</p> <p>5) Single click command for emptying and filling of burette</p> <p>6) Resolution: Minimum 1/10,000 of burette volume or better</p> <p>7) Burette volume: Burettes volume of 1, 5, 10, and 20 ml should be available.</p> <p>8) Dosing Accuracy: +/- 0.03% of burette volume</p> <p>9) Filling time: 20 sec</p> <p>10) Quantity required:</p> <p style="padding-left: 40px;">a) Minimum 4Nos. of 20 ml volume (for Acid/base, Non Aqueous, and Argentometric etc.)</p> <p style="padding-left: 40px;">b) 01 No. of 10 ml volume for Volumetric Karl Fischer titration</p> <p>D. Parameters: The system with adequate sensors/electrodes should be capable of measuring following parameters in the given ranges as per DIN/ASTM standards.</p> <p>a) Voltage:</p> <p style="padding-left: 40px;">Range: -1000mV to +1000mV or better</p> <p style="padding-left: 40px;">Resolution: 0.1 mV or better</p> <p>b) pH:</p> <p style="padding-left: 40px;">Range: 0-14</p> <p style="padding-left: 40px;">Resolution: 0.001 or better</p> <p style="padding-left: 40px;">pH Calibration: minimum 3 point calibration with automatic buffer recognition and automatic temperature compensation</p> <p>c) Alkalinity (carbonate, bicarbonate & total Alkalinity):</p> <p style="padding-left: 40px;">Range: Single ppm to % level</p> <p style="padding-left: 40px;">Resolution: Up to 3 decimals</p> <p>d) Salinity or Chloride content:</p> <p style="padding-left: 40px;">Range: 0.5 ppm to % level</p> <p>e) Hardness (Ca, Mg & Total Hardness):</p> <p style="padding-left: 40px;">Range: 10 ppm onwards</p> <p>f) Non- aqueous titrations for TAN/TBN etc.</p> <p>g) Bromine Index/Bromine Number</p> <p>E. Sensors/Electrodes: All sensors/electrodes shall be intelligent and plug & play type, which are automatically identified by the titrator when connected thus eliminates the</p>		
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	<p>possibility of use of wrong electrode.</p> <p>The built in memory chip allows the storage of important sensor data e.g. article and serial numbers, calibration data, calibration history, working life and calibration validity period etc.</p> <p>Sensors/electrodes with required cables should be provided along with the titrator for the following titrations:</p> <ul style="list-style-type: none"> i) EDTA Complexometric. ii) Acid Base & pH. iii) Non Aqueous Titrations. iv) Iodometric. v) Bromine Index / Bromine Number. vi) Redox. vii) Argentometric / Presipitation Titrations. viii) Volumetric Karl Fischer titration unit consisting of electrodes and other required accessories <p>F. Stirrer: Plug and Play type magnetic / Propeller stirrer. Stirring speed and direction should be controlled from the main instrument within the method.</p> <p>G. Titration Stand: 02 Nos. titration stands with stirrers, connecting cables and other essential accessories.</p> <p>H. Titration Beakers: Minimum 100 nos. of polypropylene titration beakers of 100 ml capacity each should be provided.</p> <p>I. Methods: Minimum 50 Pre-programmed methods should be available and stored.</p> <p>J. Result Storage: Possible to export the results to PC/LIMS through the USB stick.</p> <p>K. Auto Sample Changer:</p> <ul style="list-style-type: none"> 1. Sample changer with facility to handle minimum 30 samples in titration beakers of 100ml maximum capacity each. 2. Possibility to prepare the sample before the Titration using auxiliary dosing devices. Possibility to handle a minimum of 2 auxiliary reagents to be quoted. 3. Facility to go sequentially one sample after the other or the sample processor should be able to execute the titration with any sequence as decided by the user. 4. Results should be preferably available in one format containing all the parameters as mentioned. 5. Facility for automatic rinsing and cleaning of the setup should be provided. Re-generation facility should be built into the system. 6. The supplier has to provide details of the Auto Sample Changer with details & drawings. In case of 3rd party product, address of OEM/authorized dealer to be provided. <p>L. PC and Printer</p> <ul style="list-style-type: none"> i) Branded PC from HP, Lenovo, Dell, Sony, Toshiba or of equivalent make with min. 320 GB HDD, 8GB RAM, DVD R/W, 17 inch TFT Monitor, Key Board, Mouse etc. , 64 bit Windows 10 or higher Operating System ii) HP laserjet or equivalent printer compatible with the supplied PC. iii) Antivirus with minimum one year validity. <p>M. Software Package</p> <ul style="list-style-type: none"> i) Latest Window Based Software (Preferably windows 10) for operation of the entire system and data acquisition. ii) Compatible with the operating system of the PC to be supplied and allows a fully automated workflow including LIMS connection. iii) It should be possible to connect minimum 30 nos. of Titrator / Other Lab Instruments. 		
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	<p>iv) The software should support client server environment. It should be possible to export the data to LIMS and automatic data backup.</p> <p>v) Should be able to control the titrator and all devices connected to it.</p> <p>vi) Automatic recognition of devices and monitoring of titer validity, calibration intervals of Sensors etc.</p> <p>vii) Possibility of multitasking like method creation during preparation of dosing devices etc.</p> <p>viii) Provision to save the SOP of the titration as Application note along with the method itself.</p> <p>ix) Other types of evaluations like Fix End point evaluation, Minimum/maximum evaluation, Gran evaluation to evaluate non S-shaped curves.</p> <p>x) Possibility to include any number of commands like Measuring, adding of solutions, titration in a single method.</p> <p>xi) Live display with different axis and possible to view measured value, calculated value, 1st derivative (ERC) etc.</p> <p>xii) Hold and/or Suspend function to halt the ongoing titration and dosing activities.</p> <p>xiii) Result trend analysis, History about the each determination should be available.</p> <p>xiv) Export and import of data in different formats like CSV (to excel), XML (to LIMS), etc.</p> <p>xv) Custom reports with the customer's desired logo.</p> <p>xvi) Possibility to connect a Balance to automatically transfer the weight data.</p> <p>N. Calibration Standards: The party shall provide adequate quantities of buffers for pH calibration, calibration standards certified by NABL or equivalent Laboratories, reference samples for performance evaluation for the parameters for which electrodes/sensors provided, at least for one year operation.</p> <p>O. Power Back-up System: Inverter or UPS for power back-up support which can withstand atleast 30 minutes or so.</p>		
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(A) General Notes for e-tender :

1. 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 Amendment and Addendum.
2. The general details of tender can be viewed by opening the RFx [Tender] under RFx and Auctions. The details of items tendered can be found in the Item Data and details uploaded under Technical RFX.
3. Bid must be submitted electronically only through OIL's e-procurement portal. Bid submitted in any other form will be rejected.
4. 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 Head 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.

a) Original Bid Security along with two duplicate copies of Bid Security.

b) Any other document which have been specified to be submitted in original.

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

5. 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. 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 the rejection of its offer without seeking any clarifications.
7. All the Bids must be Digitally Signed using “Class 3” digital certificate (*e-commerce application*) with organisation name as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India.
8. Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

(B) Special Notes for Bidders :

1. The equipment supplied shall be brand new, original and free from any defect.
2. **Installation / Commissioning & Training:**
 - a. The successful bidder shall install and commission the equipment at Chemical Department, 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.
 - b. The supplier shall replace defective parts if found any, during installation or during the warranty period. This replacement shall be done within a month's time at supplier's cost.
 - c. The supplier's service engineer must demonstrate the performance of the system as specified in the offer and also must provide training to OIL's technical/scientific staff on operation, application and trouble shooting of the system after installation. Basic instrumentation drawings/ configuration, manuals are to be supplied along with the unit for ready reference.
 - d. 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 to have been included in the total cost.
3. **Annual Maintenance Contract:**
 - a) The supplier shall quote for the cost of comprehensive AMC for a period of five years after expiry of warranty period. This will be considered for Bid evaluation.
 - b) While quoting for AMC the bidder shall take in to account two numbers of preventive maintenance visits per year and breakdown visits as and when required per year. In case of breakdown visit, the bidder must send their service engineer within fifteen (15) days of receiving the notice to attend the equipment to make it operational.
 - c) Payment: Payment of AMC charge will be made after execution of preventive maintenance visit on production of invoice.
 - d) Penalty clause:

Duration of breakdown

i) Up to 15 days: Penalty = Nil

ii) More than 15 days but less than 30 days: Penalty = 2% of AMC

iii) Above 30 days but less than 45 days: Penalty = 10% of AMC

iv) Beyond 45 days: Suitable action will be taken against the party as per OIL's standard practice

4. The bidder shall be responsible for supplying the required spares.
5. The bidder must provide written assurance regarding availability of spares of the equipment for a period of ten years (10 years) from the date of commissioning of the instrument.
6. The system shall be completed in all respect with essential accessories required for immediate commissioning and smooth running of the equipment after receipt at Duliajan, Assam.
7. The Supplier shall provide operation manual and maintenance and troubleshooting manual (hard copy as well as soft copies) along with the supply.
8. Warranty: Standard warranty for the instrument should be applicable for one year from the date of successful installation & commissioning and preferably additional warranty for two years.

9.0 Bidders to take special note of the following conditions:

9.1 Against Tender Fee – Payment should be made only through online mode and no other instrument (Cash/DD/Cheques/Cashier Cheque, etc) will be acceptable.

9.2 Against Bid Security/EMD/Performance Bank Guarantee – Only payments through online mode or Submission of Bank Guarantee/LC will be acceptable. No DD/Cheques/Cashier Cheque or any other mode will be acceptable.

(C) General Notes to Bidder's:

1. The items shall be brand new, unused & of prime quality. Bidder 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 12 months from date of successful installation and commissioning at site. In case of breakdown during the warranty period, a competent service engineer of the supplier shall make as many visits as shall be necessary to rectify the system. The supplier shall provide all spares required for making the system operational. Bidders must confirm the same while quoting.
2. Validity of the offers should be 90 days from the date of bid opening. Bids with lesser validity shall be summarily rejected.
3. The items covered by this enquiry shall be used by Oil India Limited in the PEL/ML areas which are issued/renewed after 01/04/99 and hence Nil Customs Duty on import will be applicable. Indigenous bidder shall be eligible for Deemed Export Benefit against this purchase. Details of Deemed Export are furnished vide Addendum to MM/GLOBAL/E-01/2005 attached. However, Indian bidders will not be issued Recommendatory Letter.
4. In the event of an order on indigenous bidder under deemed export scheme, OIL will issue Project Authority Certificate (PAC) and arrange for DGH Certificate as may be

appropriate/applicable. Supplier shall effect dispatch only on receipt of these certificates from OIL, failing which all related liabilities shall be to Supplier's account.

5. Commercial Check-List vide **Annexure- B** shall be filled-up and submitted along with the offer.
6. 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.
7. 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.
8. 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.

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BID REJECTION CRITERIA (BRC)/BID EVALUATION CRITERIA (BEC)

GENERAL CONFORMITY

The bids shall conform generally to the specifications and terms & conditions given in the bid document. Bids shall be liable for rejection in case the materials/services offered do not conform to the required parameters stipulated in the technical specifications. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected.

BID REJECTION CRITERIA (BRC)

(A) TECHNICAL:

1.0 BIDDER'S ELIGIBILITY:

- 1.1 **The bidder should be an Original Equipment Manufacturer (OEM)** of the tendered item (s).

OR

- 1.2 **The bidder should be an authorized dealer/authorized distributor /authorized supplier/wholly owned subsidiary** of an Original equipment manufacturer (OEM) of the tendered item(s).

2.0 **IN CASE THE BIDDER IS AN ORIGINAL EQUIPMENT MANUFACTURER (OEM):**

The bidder must comply to the following:

- 2.1 The bidder (OEM) should have at least 5 (five) years of manufacturing experience of each tendered item/ equipment preceding to the original Bid Closing date of the tender.
- 2.2 In addition to above, the bidder (OEM) should have supply experience of successfully executed at least one order of 50% tendered quantity (rounded off to the next higher integer) of each tendered item/ equipment to various clients (other than their own subsidiaries/sister concerns), either directly by them or through their authorized dealers/distributor/supplier/subsidiaries, during last 5 (five) years preceding to the original bid closing date of the tender.
- 2.3 Documentary evidences to substantiate manufacturing & supply records must be submitted in the form of copies of relevant Purchase Order(s) and any one of the

following documents evidencing satisfactory execution of those Purchase Order(s), such as:

- (i) Satisfactory supply / completion / installation report (OR)
- (ii) Bill of Lading, Commercial Invoice / Payment Invoice (OR)
- (iii) Consignee receipt delivery receipt (OR)
- (iv) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/ Vat.
- (v) Any other documents which shall prove that the bidder has successfully executed such order (s).

Note: 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.

INTERNAL INSTRUCTIONS to CHEMICAL DEPARTMENT:

Depending upon the criticality of the equipment and value of the equipment, Chemical department at the time of raising PR will decide the nature of documents required for that particular equipment.

3.0 IN CASE, THE BIDDER IS AN AUTHORIZED DEALER/ AUTHORIZED DISTRIBUTOR / AUTHORIZED SUPPLIER / WHOLLY OWNED SUBSIDIARY OF OEM:

The bidder must fulfill the following requirements:

- 3.1 The bidder's OEM (the Principal) should have at least 5 (five) years of manufacturing experience of each tendered item/ equipment proceeding to the original Bid Closing date of the tender.
- 3.2 Additionally, the bidder himself/themselves should have supply experience of successfully executed at least one order of 50% tendered quantity (rounded off to the next higher integer) of each tendered item/ equipment to various clients (other than their own subsidiaries/sister concerns), during last 5 (five) years preceding to the original bid closing date of the tender.
- 3.3 Documentary evidences to substantiate manufacturing & supply records must be submitted in the form of copies of relevant Purchase Order(s) and any of the following documents evidencing satisfactory execution of those Purchase Order(s), such as:
 - (i) Satisfactory supply / completion / installation report (OR)
 - (ii) Bill of Lading, Commercial Invoice / Payment Invoice (OR)
 - (iii) Consignee receipt delivery receipt (OR)
 - (iv) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/ Vat.
 - (v) Any other documents which shall prove that the bidder has successfully executed such order (s).

Note: 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.

- 3.4 The bidder shall submit valid **Authorization Certificate/Letter** issued by its Original Equipment Manufacturer (OEM), confirming the Bidder's status as their authorized supplier / dealer / distributor/wholly owned subsidiary (as the case may be) to sell their products with proper warranty and guarantee back -up. Such authorization certificate/ letter shall be valid for the entire period of execution of the order. Offers shall be rejected straightway, if such authority letter is not submitted along with the technical bid.

NOTES TO BIDDER:

- a. Authorization letter must be issued on the official letter head of the OEM clearly mentioning the status of Bidder i.e., whether 'authorized dealer' or 'authorized distributor' or 'authorized supplier' or wholly owned subsidiary of Original Equipment Manufacturer (OEM), failing which the bid shall not be considered for evaluation and in that case the offer shall be rejected straightway.
 - b. Authorization letter issued by the OEM in any other form such as Direct Chanel Partner /Indirect Chanel Partner/Chanel Partner/ seller/ Reseller/Sub Dealer / Sub Distributor/Sister Concern shall not be considered for bid evaluation and the offer shall be rejected.
 - c. In case the bidder is a wholly owned subsidiary company of the parent company (OEM), in addition to the authorization letter including warranty/guarantee back-up, the bidder shall also upload/submit the documents such as board resolution / certificate of incorporation / any other legal certificate along with their offer that would establish the relation between the parent company with the subsidiary company without which the bid will not be evaluated and will be rejected straightway.
- 4.0 Bidders showing supply experience towards supply to its sister concern/ subsidiaries shall not be considered as experience for the purpose of meeting BRC.
- 5.0 Authorization letter and warranty/guarantee back-up as aforesaid must be issued to the bidder by the Original Equipment Manufacturer (OEM) in their official letter head only. Such certificates/authority letter issued by a party other than the OEM shall not be considered as valid authorization letter and in such case the bid shall be rejected without any further reference.
- 6.0 Unsolicited bids shall be straightway rejected.
- 7.0 Bidder/OEM must submit an undertaking alongwith the Technical Bid that their offered equipment is not going to become obsolete during the next 5 (five) years from the date of successful installation & Commissioning, if order is awarded on them by OIL and must guarantee uninterrupted supply of spares and availability of services for at least for ten (10) years with effect from the successful installation & Commissioning of the equipment, without which offer will not be considered for evaluation/placement of order.

(B) FINANCIAL CRITERIA:

- 1.0 **Annual Turnover:** The bidder shall have an annual financial turnover of minimum **US\$ 25,797.00 or Rs 17,80,000.00** during any of the preceding 03 (three) financial years reckoned from the original bid closing date of the tender.
- 2.0 "Net Worth" of the bidder should be positive for the financial/accounting year just preceding to the Bid Closing Date of the Tender.
- 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 2016** (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 Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in **ANNEXURE**.
- 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. Organisation/PSU/State Govt. Organisation/Semi-state Govt. Organisation or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and Central Govt., 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\$.

C) COMMERCIAL:

1. Bids are invited under **Single Stage Composite Bid System**. Bidders shall quote accordingly under Single Stage Composite Bid System.
- 2.0 **Bid security of US \$ 1032.00 or Rs. 71,200.00** shall be furnished as a part of the TECHNICAL BID (refer Clause Nos.9.0 & 12.0 (Section A) of “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders)). 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.
- 2.1 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).
- 2.2 The Bank Guarantee towards Bid Security shall be valid **upto 08.09.2017**.
3. Validity of the bid shall be **minimum 90 days** from the date of Bid Closing Date. Bids with lesser validity will be straightway rejected.
4. 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 receipt of the items at site, 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.
5. Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Bank Guarantee must be valid for a period of 18 months from the date of shipment/dispatch or twelve(12) months from the date of receipt of the items at site, whichever is earlier. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.

6. Bidders are required to submit the summary of the prices in their price bids as per bid format (Summary), given below :

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

- (A) Total Material Value :**
- (B) Packing & FOB Charges :**
- (C) Total FOB Port of Shipment value, (A + B) above :**
- (D) Overseas Freight Charges upto Kolkata, India :**
- (E) Insurance Charges :**
- (F) Total CIF Kolkata value, (C + D + E) :**
- (G) Total Value in words :**
- (H) Gross Weight :**
- (I) Gross Volume :**

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

- (A) Total Material Value :**
- (B) Packing and Forwarding Charges:**
- (C) Total Ex-works value, (A + B) above :**
- (D) Sales Tax, (Please indicate applicable rate of Tax)**
- (E) Total FOR Despatching station price, (C + D) above**
- (F) Road Transportation charges to Duliajan**
- (G) Insurance Charges**
- (H) Assam Entry Tax**
- (I) Total FOR Duliajan value, (E + F + G + H) above**
- (J) Total Value in words :**
- (K) Gross Weight :**
- (L) Gross Volume :**

7. 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.
8. 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. Bids containing incorrect statement will be rejected.
10. 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

(II) BID EVALUATION CRITERIA (BEC) :

Bids conforming to the specifications, terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria mentioned in Section D of “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005.

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CERTIFICATE OF ANNUAL TURNOVER & NET WORTHTO 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**

ANNEXURE-B**(A) COMMERCIAL CHECK-LIST**

Sl. No.	PARAMETERS/REQUIREMENTS	BIDDER RESPONSE	REMARKS IF ANY
1.	Whether Original Signed quotation submitted?	YES/NO	
2.	Whether quoted as manufacturer?	YES/NO	
3.	Whether quoted as authorized dealer? [To Specify]	YES/NO	
4.	If quoted as authorized dealer,		
5.	(a) Whether submitted valid and proper authorization letter from manufacturer IN ORIGINAL confirming that bidder is their authorized dealer for the product offered?	YES/NO	
6.	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	YES/NO	
7.	Whether ORIGINAL Bid Bond (not copy of Bid Bond) enclosed with the offer? If YES, provide details	YES/NO	
	(a) Amount :		
	(b) Name of issuing Bank :		
	(c) Validity of Bid Bond :		
8.	Whether offered firm prices?	YES/NO	
9.	Whether quoted offer validity of 90 days from the date of closing of tender?	YES/NO	
10.	Whether quoted a firm delivery period?	YES/NO	
11.	Whether quoted as per NIT (without any deviations)?	YES/NO	
12.	Whether any deviation is there in the offer?	YES/NO	
13.	Whether deviation separately highlighted?	YES/NO	
14.	Whether agreed to the NIT Warranty clause?	YES/NO	
15.	Whether Price Bid submitted as per Price Schedule?	YES/NO	
16.	Whether indicated the country of origin for the items quoted?	YES/NO	
17.	Whether all the items of tender quoted?	YES/NO	
18.	Whether technical literature/catalogue/drawings enclosed?	YES/NO	
19.	For Foreign Bidders - Whether offered FOB/FCA port of dispatch including sea/air worthy packing & forwarding?	YES/NO	
20.	For Foreign Bidders – Whether port of shipment indicated? [To specify]	YES/NO	
21.	For Foreign Bidders only - Whether indicated ocean freight up to C&F Kolkata port (Excluding marine insurance)?	YES/NO	
22.	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?	YES/NO	
23.	Whether weight & volume of items offered indicated?	YES/NO	
24.	Whether confirmed to submit PBG as asked for in NIT?	YES/NO	
25.	Whether agreed to submit PBG within 30 days of placement of order?	YES/NO	
26.	For Indian bidders – Whether place of dispatch indicated in the offer? [To specify]	YES/NO	
27.	For Indian bidders – Whether road transportation charges up to Duliajan quoted?	YES/NO	
28.	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	YES/NO	
29.	Whether quoted prices are exclusive of Excise duty?	YES/NO	
30.	For Indian bidders only – whether import content indicated in the offer?	YES/NO	
31.	For Indian Bidders only - whether all Taxes have been indicated categorically?	YES/NO	
32.	Whether all BRC/BEC clauses accepted?	YES/NO	
33.	Whether balance sheet of last 3 financial year have been uploaded ?	YES/NO	

SI No.	Clause No of Tender Document/ BEC/BRC Technical Specification/ Scope of Work	Description Bidders Remarks Complied/ NotComplied/ Deviation	Bidder to indicate Relevant Page No of their Bid to support the remarks/ compliance
A	Features of the system:		
1	Auto-titrator system having capability to carry out all types of potentiometric titrations e.g. complexometric, acid-base, redox, argentometric, precipitation, iodometric, non-aqueous etc. as well as pH, mV, temperature & concentration measurements.		
2	Simultaneous Titration Facility one after another to perform any two titration application simultaneously without disturbing the setup.		
3	Automatic recognition of the basic instrument and all the peripheral devices connected to it by the software like automatic burette recognition, automatic sensor recognition, and automatic dosing drive recognition features with intelligent chips.		
4	Facility to connect minimum four titrating burettes for different types of titrations.		
5	Equipped with one volumetric Karl Fischer Titration unit		
6	Facility to have customized calculation.		
7	Facility to connect minimum two (02) auxiliary burettes for the addition of auxiliary solution or buffer solution needed for titrations and back titrations.		
8	Facility to upgrade the system to connect minimum 7 titrating burettes in the future.		

9	System should have the remote port to connect to the sample changer/autosampler whenever required.		
10	Real time curve display		
11	Power: 220-230V/50Hz		
12	Operation: From Touch pad and/or PC		
13	Interfaces: Dual RS-232/ USB ports for attachment of balances, autosampler, printer, PC, barcode reader etc.		
B	Dosing Drives:		
1	Plug and play type dosing drives, automatically recognized by titrator on connection and can be used immediately for analysis without further configuration.		
2	Electronics parts of the drive should not be damaged due to reagent spill or leak from burette.		
3	Flexibility to interchange titrants without contamination		
4	Simple to connect and automatic recognition of dosing drives		
5	Quantity required: 02 Nos.		
	<input type="checkbox"/>		
C	Burette/Dosing Units:		
1	Type: Intelligent burette with latest burette technology and chip which can automatically detect the burette volume, reagent type and titer validity etc. irrespective of the drives on which the burettes with the titrants are present.		
2	Possibility to mount the Burette with the Basic Instrument unit		
3	Facility to see and remove air bubble, if any, from the dosing cylinder		
4	Rinsing and preparation of the dosing unit can be carried out automatically		
5	Single click command for emptying and filling of burette		
6	Resolution: Minimum 1/10,000 of burette volume or better		
7	Burette volume: Burettes volume of 1, 5, 10, and 20 ml should be available.		
8	Dosing Accuracy: +/- 0.03% of burette volume		
9	Filling time: 20 sec		

10	Quantity required: a) Minimum 4Nos. of 20 ml volume (for Acid/base, Non Aqueous, and Argentometric etc.) b) 01 No. of 10 ml volume for Volumetric Karl Fischer titration		
D	Parameters: The system with adequate sensors/electrodes should be capable of measuring following parameters in the given ranges as per DIN/ASTM standards.		
a)	Voltage: Range: -1000mV to +1000mV or better Resolution: 0.1 mV or better		
b)	pH: Range: 0-14 Resolution: 0.001 or better pH Calibration: minimum 3 point calibration with automatic buffer recognition and automatic temperature compensation		
c)	Alkalinity (carbonate, bicarbonate & total Alkanity): Range: Single ppm to % level Resolution: Up to 3 decimals		
d)	Salinity or Chloride content: Range: 0.5 ppm to % level		
e)	Hardness (Ca, Mg & Total Hardness): Range: 10 ppm onwards		
f)	Non- aqueous titrations for TAN/TBN etc.		
g)	Bromine Index/Bromine Number		
E	Sensors/Electrodes: All sensors/electrodes shall be intelligent and plug & play type, which are automatically identified by the titrator when connected thus eliminates the possibility of use of wrong electrode.		

1	The built in memory chip allows the storage of important sensor data e.g. article and serial numbers, calibration data, calibration history, working life and calibration validity period etc.		
2	Sensors/electrodes with required cables should be provided along with the titrator for the following titrations		
i	EDTA Complexometric.		
ii	Acid Base & pH.		
iii	Non Aqueous Titrations.		
iv	Iodometric.		
v	Bromine Index / Bromine Number.		
vi	Redox.		
vii	Argentometric / Presipitation Titrations.		
viii	Volumetric Karl Fischer titration unit consisting of electrodes and other required accessories		
F	Stirrer: Plug and Play type magnetic / Propeller stirrer. Stirring speed and direction should be controlled from the main instrument within the method.		
G	Titration Stand: 02 Nos. titration stands with stirrers, connecting cables and other essential accessories.		
H	Titration Beakers: Minimum 100 nos. of polypropylene titration beakers of 100 m l capacity each should be provided.		
I	Methods: Minimum 50 Pre-programmed methods should be available and stored.		
J	Result Storage: Possible to export the results to PC/LIMS through the USB stick.		
K	Auto Sample Changer:		

1	Sample changer with facility to handle minimum 30 samples in titration beakers of 100ml maximum capacity each.		
2	Possibility to prepare the sample before the Titration using auxiliary dosing devices. Possibility to handle a minimum of 2 auxiliary reagents to be quoted.		
3	Facility to go sequentially one sample after the other or the sample processor should be able to execute the titration with any sequence as decided by the user.		
4	Results should be preferably available in one format containing all the parameters as mentioned.		
5	Facility for automatic rinsing and cleaning of the setup should be provided. Re-generation facility should be built into the system.		
6	The supplier has to provide details of the Auto Sample Changer with details & drawings. In case of 3 rd party product, address of OEM/authorized dealer to be provided.		
L	PC and Printer		
i	Branded PC from HP, Lenovo, Dell, Sony, Toshiba or of equivalent make with min. 320 GB HDD, 8GB RAM, DVD R/W, 17 inch TFT Monitor, Key Board, Mouse etc. , 64 bit Windows 10 or higher Operating System		
ii	HP laserjet or equivalent printer compatible with the supplied PC.		
iii	Antivirus with minimum one year validity.		
M	Software Package		
i	Latest Window Based Software (Preferably windows 10) for operation of the entire system and data acquisition.		
ii	Compatible with the operating system of the PC to be supplied and allows a fully automated workflow including LIMS connection.		
iii	It should be possible to connect minimum 30 nos. of Titrator / Other Lab Instruments.		

iv	The software should support client server environment. It should be possible to export the data to LIMS and automatic data backup.		
v	Should be able to control the titrator and all devices connected to it.		
vi	Automatic recognition of devices and monitoring of titer validity, calibration intervals of Sensors etc.		
vii	Possibility of multitasking like method creation during preparation of dosing devices etc.		
viii	Provision to save the SOP of the titration as Application note along with the method itself.		
ix	Other types of evaluations like Fix End point evaluation, Minimum/maximum evaluation, Gran evaluation to evaluate non S-shaped curves.		
x	Possibility to include any number of commands like Measuring, adding of solutions, titration in a single method.		
xi	Live display with different axis and possible to view measured value, calculated value, 1st derivative (ERC) etc.		
xii	Hold and/or Suspend function to halt the ongoing titration and dosing activities.		
xiii	Result trend analysis, History about the each determination should be available.		
xiv	Export and import of data in different formats like CSV (to excel), XML (to LIMS), etc.		
xv	Custom reports with the customer’s desired logo.		
xvi	Possibility to connect a Balance to automatically transfer the weight data.		
N	Calibration Standards: The party shall provide adequate quantities of buffers for pH calibration, calibration standards certified by NABL or equivalent Laboratories, reference samples for performance evaluation for the parameters for which electrodes/sensors provided, at least for one year operation.		

O Power Back-up System: Inverter or UPS for power back-up support which can withstand atleast 30 minutes or so.			
P	TERMS & CONDITIONS		
1	The equipment supplied shall be brand new, original and free from any defect.		
2	Installation / Commissioning & Training:		
a)	The successful bidder shall install and commission the equipment at Chemical Department, 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.		
b)	The supplier shall replace defective parts if found any, during installation or during the warranty period. This replacement shall be done within a month's time at supplier's cost.		
c)	The supplier's service engineer must demonstrate the performance of the system as specified in the offer and also must provide training to OIL's technical/scientific staff on operation, application and trouble shooting of the system after installation. Basic instrumentation drawings/ configuration, manuals are to be supplied along with the unit for ready reference.		
d)	Installation / commissioning & Training charges if any must be quoted separately on lump sum basis which shall also be considered for evaluation of the offers. Incase if charges are not quoted it will be considered to have been included in the total cost.		
3	Annual Maintenance Contract:		
a)	The supplier shall quote for the cost of comprehensive AMC for a period of five years after expiry of warranty period. This will be considered for Bid evaluation.		

b)	While quoting for AMC the bidder shall take in to account two numbers of preventive maintenance visits per year and breakdown visits as and when required per year. In case of breakdown visit, the bidder must send their service engineer within fifteen (15) days of receiving the notice to attend the equipment to make it operational.		
4	The bidder shall be responsible for supplying the required spares.		
5	The bidder must provide written assurance regarding availability of spares of the equipment for a period of ten years (10 years) from the date of commissioning of the instrument.		
6	The system shall be completed in all respect with essential accessories required for immediate commissioning and smooth running of the equipment after receipt at Duliajan, Assam.		
7	The Supplier shall provide operation manual and maintenance and troubleshooting manual (hard copy as well as soft copies) along with the supply.		
8	Warranty: Standard warranty for the instrument should be applicable for one year from the date of successful installation & commissioning and preferably additional warranty for two years.		