



INVITATION TO e-BID UNDER SINGLE STAGE COMPOSITE BID SYSTEM

Tender No. & Date : SGI8978P19 dated 20.08.2018

Tender Fee : INR 1,000.00 (Non-refundable)

Last Date of Sale of Tender Document : 20.09.2018 upto 15.30 Hrs.

Bid Security : INR 67,013.00

Bidding Type : SINGLE STAGE COMPOSITE BID SYSTEM

Bid Closing on : 27.09.2018 at 11.00 Hrs.

Bid Opening on : 27.09.2018 at 14.00 Hrs.

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

Bid Bond Validity : Bid Bond should be valid upto 26.03.2019.
(Bid bond format has been changed. Please submit bid bond as per revised format)

Performance Guarantee : Applicable @ 10% of order value.

Integrity Pact : Not Applicable

Pre-Bid Conference : Not Applicable

Last date of receipt of pre-bid queries : Not Applicable

OIL INDIA LIMITED invites electronic bids from Indigenous bidders under NATIONAL COMPETITIVE BIDDING on SINGLE STAGE COMPOSITE BID SYSTEM through its e-procurement site for the items detailed below –

Item No.	Item Description	Quantity	UoM
10	Transformer winding Resistance Meter	3	No.
20	Circuit Breaker Analyzer	3	No.
30	Telescopic FRP Operating/Earth Discharge Rod	20	No.
40	Transformer Oil Sampling Bottles	11	No.
50	5 KV Insulation Resistance Tester	3	No.
60	60 KV Automatic BDV Test Kit	1	No.

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

STANDARD NOTES:

1.0 The tender will be governed by “General Terms & Conditions for National Tender (National Competitive Bidding)” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005(For e-tenders).

2.0 This Bidding document consists of:

- (i) Annexure AA : Technical Specification
- (ii) Annexure BB : Bid Rejection Criteria / Bid Evaluation Criteria
- (iii) Annexure CC : Commercial Check List
- (iv) Annexure DD : Price Schedule
- (v) Annexure EE : Annual Turn Over and Net Worth Certificate

“General Terms & Conditions for National Tender (National Competitive Bidding)” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005(For e-tenders).

3.0 For obtaining User ID and Password for accessing the tender document and for submission of bids, interested bidders are requested to go for Online Registration. Please visit the url: <https://etender.srm.oilindia.in/irj/portal> and click on the link ‘Supplier Enlistment for E-Tender’ for online registration and generation of user id and password. Bidders are advised to apply for user ID and password at least 7(seven) days prior to the last date of tender fee payment for their own interests. User ID’s shall be processed within 4(four) days subject to submission of complete information by the bidder. Once the registration is completed user id and password will be assigned to the bidder. The same user id and password may be used for participating in OIL’s future tender also.

3.1 After completion of the Online Registration process and receipt of user id and password, bidder may submit the tender fee online. **Tender fee must be paid online through OIL’s payment gateway only and no other instrument (Cash/DD/Cheques/Cashier Cheque, etc) will be acceptable.** Please refer the New Vendor Manual uploaded alongwith the tender and also available in the e-portal page for procedure for submission of tender fee and EMD online. *For bidders having existing user id and password issued by OIL, same may be used for submission of bid after payment of tender fee.* On receipt of requisite tender fee, bidder will be allowed to participate in the tender through OIL’s e- Procurement portal. No physical tender documents shall be submitted.

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

4.0 Bidder seeking benefits of MSME shall clearly indicate the same in the tender with proper documents as stipulated in the tender. **Purchase Preference (Linked with Local Content) (PP-LC) is not applicable against this tender.**

5.0 Bidders to note that Govt. of India under Micro, Small and Medium Enterprises Development (MSMED) Act 2006, has proclaimed the Public Procurement Policy, 2012 with effect from 1st April, 2012 in respect of procurement of goods and services, produced and provided by micro and small enterprises, by its Ministries, Departments and Public Sector Undertakings for promotion and development of Micro and Small Enterprises. A new Clause on applicability of Public Procurement Policy for procurement of goods from Micro and Small Enterprises (MSE) in the tender is furnished vide Annexure – I, Amendment to General Terms & Conditions for National Tender (National Competitive Bidding)” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005(For e-tenders). Bidders are requested to take note of the same and to submit their offers accordingly.

6.0 OIL INDIA LIMITED (OIL) has upgraded its E-tender Portal. As part of the new system, the intending bidder must have Encryption Certificate along with Digital Signature Certificate (DSC) of Class III [Organization]. **All the Bids must be Digitally Signed using “Class III” digital certificate (e-commerce application) with ‘Certificate Type: Organisation Certificate’ as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3 with Organisation’s Name” digital certificate, will be rejected.**

- 7.0 Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with Tender no. and Due date to **The Deputy General Manager - Materials (PL), Oil India Limited (Pipeline Headquarter), P.O. Udayan Vihar, Guwahati -781171 before 14.00 Hrs. IST on the Bid Closing Date** mentioned in the Tender.

- a) Bid Security(EMD) submitted in the form of Bank Guarantee.
- b) Detailed Catalogue (if any).
- c) Any other document required to be submitted in original as per tender requirement.

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

- 8.0 OIL has made arrangement for online confirmation of Bank Guarantee through SFMS Platform with Axis Bank, Guwahati. Therefore, bidders submitting Bid Security in the form of Bank Guarantee must route the BG through SFMS platform as per following details –

- a. (i) **MT 760/MT 760 COV for issuance of bank guarantee**
- (ii) **MT 767/MT 767 COV for amendment of bank guarantee**

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

- b. *The Bidder shall submit to OIL the copy of SFMS message as sent by the issuing bank branch along with the original bank guarantee.*

- 8.1 Bank Guarantee issued by a Scheduled Bank in India at the request of some other Non-Scheduled Bank in India shall not be acceptable.

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

- 10.0 **Deemed export/Custom Duty benefits are not applicable against this tender and bidders should furnish prices without considering these benefits.**

- 11.0 The tender is invited under **SINGLE STAGE-COMPOSITE BID SYSTEM**. The bidder has to submit both the "TECHNO-COMMERCIAL UNPRICED BID" and "PRICED BID" through electronic form in the OIL's e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The "Techno-commercial Unpriced Bid" shall contain all technical and commercial details except the prices which shall be kept blank. Details of prices as per Price Schedule to be uploaded as attachment in the Attachment Tab "Notes and Attachments".

Any offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.

Notes and Attachments

➔ Only price details should be uploaded

Technical attachments

➔ All technical bid documents except price details

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



Oil India Limited e-Procurement

User ID *

Password *

Logon Problems? [Get Support](#)

[Supplier Enlistment for E-Tender](#)

[Important Note for New Portal Users:](#)

[Click here to View Compatability Settings](#)

[General Guidelines to bidders](#)

[Click for User Manuals](#)

Click here for the New Manual & Instruction

© 2012 Oil India Limited. All rights reserved.

[Click for Terms of use, Privacy Policy, Refund Policy Docs](#)

- 12.0 Bidders are requested to examine all instructions, forms, terms and specifications in the tender. Failure to furnish all information required as per the tender or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.
- 13.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that all documents which are to be submitted in a sealed envelope are also submitted at the address mentioned in note 8.0 above before **14:00 Hrs (IST)** on the bid closing date failing which the offer shall be rejected.
- 14.0 Other terms and conditions of the tender shall be as per "General Terms & Conditions for National Tender (National Competitive Bidding)" for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005(For e-tenders). However, if any of the clause of the Bid Rejection Criteria / Bid Evaluation Criteria (BEC / BRC) contradicts the clauses in the General Terms & Conditions of the tender and/or elsewhere, those mentioned in the BEC/BRC shall prevail.
- 15.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer may be summarily rejected.
- 16.0 **No press advertisement will be published regarding amendment to Bidding Document or extension of Bid Closing Date. The same will be uploaded in OIL's website and informed to all prospective bidders who have received the bidding documents. Bidders to keep themselves updated.**

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

TECHNICAL SPECIFICATION**I. Transformer winding Resistance Meter****A. General:**

An electronic low resistance meter to measure the winding resistance of HV/EHV transformers or large rotary machines instantly using Kelvin's 4-wire measurement method. It should be housed in Aluminium Case for better EMI/EMC compatibility. It should check any discontinuity in OLTC while changing tap from one position to other.

B. Requirements:

1. It should be able to measure winding resistance of distribution transformer in a short period, at 10 A current range.
2. The meter should have its own inbuilt power source for measurement and should not require any external battery or battery charger for current generation.
3. Selectable Current ranges of 100mA, 1A, 5A & 10A should be available and shall be continuously rated for all these current ranges.
4. The instrument shall have minimum open circuit test voltage of 30V DC and Power Supply Unit rating of 300 VA.
5. The meter should measure the resistance in the range of 0.1 μ Ohm to 199.9 Ohm in various steps with appropriate test current and with optimum resolution for even lowest value of resistance.
6. The meter should have a resolution of 0.1 μ F and an accuracy of $\pm 0.5\%$ of reading ± 5 counts.
7. It should have resistance range of 2 Ohm available for the current range of 10A. It Should have resistance range of 4 Ohm available for the current range of 5A.
8. It should be capable of sustaining Back EMF offered by large power transformers.
9. The instrument should quickly overcome high inductance offered by large power transformer to allow quick measurement.
10. It should have very effective heat management as is needed while testing delta connected windings particularly of generator transformers, where current is required to be injected over longer durations.
11. The instrument should have four-line alphanumeric backlit LCD display and interactive menu, key board functions & messages like status of current rising in the test object, value of stabilized current, warning message during discharging of test object etc.
12. The selection of current and resistance range should be done through keypad to avoid temptation of changing these settings particularly current range, during the actual testing thus protecting instrument from accidental damage.
13. The meter should have two resistance channels to measure the winding resistance of both HV & LV windings simultaneously & display the resistance value directly on the display.
14. The actual value of the current passing through the test object should be displayed.
15. The Meter should have Over Temperature Protection.
16. It should give audiovisual indication during current injection for operator safety.
17. The meter should be portable and lightweight (not more than 23 Kg. including test leads) to facilitate its movement from one site to the other.
18. The meter should be rugged to withstand rough handling during transportation.
19. The meter should work on power supply of 230V AC $\pm 15\%$, 50Hz $\pm 5\%$ & Power on indication shall be provided.
20. The instrument should be able to work properly in the temperature range of 0 to 50°C & up to 95% RH (non-condensing).
21. **The meter should be supplied along with the test leads of 15m length with proper connecting clamps in separate carrying case.**
22. The tenderer should offer calibration standards for checking calibration of each range of the meter.
23. After Sales & Service facility should be available in India.

II. Circuit Breaker Analyzer

A. General:

The Instrument should have facility to test the circuit breaker as following parameters Timing test, Contact Resistance Measurement, Coil Current Measurement. Instrument Should be in robust molded case and has built-in colour touch screen display, thermal printer, memory & PC downloading facility. It combines the features of CB Timing Test & Micro-ohm Meter (Contact resistance Meter test) and yet is very portable & light weight. It is designed to work under the hostile electromagnetic conditions prevailing in live switchyards.

Instrument should check, records & prints all important parameters like operation timings of main & pre-insertion resistor contacts, auxiliary contact timings, close/trip coil current and contact resistance of all 3 poles, simultaneously. Instrument should eliminate the need of carrying separate instruments for these measurements. Simple user interface through on-board colour touch screen display & smart connections ensures swift testing of various types of CBs. Though the instrument can be used for any configuration of CBs.

B. Instrument should have following facilities:

1. Instrument should test all types of CBs - LV, MV & HV for all critical performance parameters of all three poles in a single shot like Timing test, Contact resistance Meter Test, oil current.
2. Instrument should facility to test & Measures Main/PIR contact timings, bounce, non-simultaneity of contacts and auxiliary contact timings. Instrument Should Measure the Operations timing of CB in all Modes like - C, O, C-O, O-C, O-C-O with configurable delays.
Instrument should Capable to Measure Contact Timing channels for 3 Main, 3 PIR & 2 Auxiliary Contacts with 0.05 mS resolution in Single Operation.
3. Instrument should facility of One internal channel to measure Close and Trip Coil currents. During C, O, C-O, O-C, O-C-O Operations.
4. Instrument should have three channels to measure Contact Resistance of three poles simultaneously in Close condition of Breaker with 0.1 μ Ohm best resolution and range up to 2 Ohm.
5. Instrument should have facility to do settings, graphical and tabulated test results. Instrument Should be with TFT color graphical display with touch screen & Instrument Should Displays the test set-up & test results including graphical data.
6. Instrument should have facility to PRINTS test repot in graphical format with test header and calculation footer, on built-in thermal printer. Printout through inbuilt 56 mm thermal printer.
7. Instrument should have facility to DOWNLOADS test data to PC for permanent storage & analysis
8. Instrument CONNECTS to CB with wear resistant test leads of sufficient length, having quick-fit connectors, suitable for all type CBs
9. Instrument should be with software to ENABLES effective Condition Monitoring of CBs through Software: like PC downloading & analysis software by comparing present test data with previous signatures and predicting future performance.
10. Instrument should have facility to Enter Breaker information data entry and system settings are possible through the touch screen keyboard, which automatically invokes when this menu is selected.
11. Instrument should have inbuilt real time clock, 2 MB inbuilt memory. Can store up to 100 records.
12. Instrument should be with rugged moulded case. Enclosed in ultra-rugged IP67 class hard moulded case.

C. PC Downloading & Analysis Software having following facilities:

1. Receipt of test records & storage in structured manner for quick future retrieval.
2. Analysis of test results by moving two cursors to and out instantaneous values, deferential values, zoom & pan.
3. 'Compare' feature enables comparison of Header information, Graphs and Calculation Footer of two records in a single view.
4. The trend analysis of parameters like close time, open time, trip / close coil currents, contact resistance values of a particular circuit breaker, taken over a period gives valuable inputs for decision making. The data is taken from set of up to 4 selected operations from records of different dates.

5. Software Facility of back-up & retrieval of test records and Save graph as JPEG image for use elsewhere like during report generation.
6. Printing of report on any external windows compatible printer (Printer or Laptop not part of supply).

D. Instrument should have following Technical Parameters

CHANNELS	CONFIGURATION	RANGE	RESOLUTION	ACCURACY
Contact Status	6: 1 Main + 1 PIR per pole, 3 poles simultaneously	Measurement duration 1mS to 4S @ 1kC, 0.05mS to 200mS @ 20kC	1mS @ 1kC 0.05mS @ 20kC	Value $\pm 0.05\%$ \pm resolution
Auxiliary Contacts	2: Dry /Wet selectable	15 to 300V DC (for Wet Channels)	1mS @ 1kC 0.05mS @ 20kC	Value $\pm 0.05\%$ \pm resolution
Coil Current	1: Trip / Close Coil current	1, 2, 5, 10, 25, 50A DC	0.1% of selected range	Value $\pm 1\%$ \pm resolution
Contact Resistance	3: Multiplexed 3 Channels. 10A Max.	200 $\mu\Omega$, 2000 $\mu\Omega$, 20m Ω , 200m Ω & 2 Ω , auto ranging	0.1 $\mu\Omega$ @200 $\mu\Omega$ 1m Ω @2 Ω	Value $\pm 2\%$ $\pm 5 \times$ resolution
Breaker Control	Two solid state contacts rated at 50A, 300V AC/DC for breaker operation			
Trigger Options	Open, Close, C-O, O-C, O-C-O, delay between operations selectable			
Sampling Speed	20kC, 10kC, 5kC, 2kC & 1kC selectable			
Plot Length	200mS at 20kC, 400mS at 10kC, 800mS at 5kC, 2000mS at 2kC and 4000mS at 1kC			
Test Results	Clear graphical result with test header and computation footer			
Display	320 x 240 pixel 5.7" colour TFT LCD with LED back light, touch screen			
Communication	USB port, for data download			
Printer	56 mm paper width, thermal printer			
Environment	0 to 50 C, 95% RH (non-condensing), Electrical noise normally found in charged HV			
Power	90 - 260V AC, 47-63 Hz, 25VA (approx)			
Dimensions	415 x 330 x 200mm			
Weight	10kg			
Type Testing	As per IEC 60068 / IS 9000 for Supply Voltage Variation, Dry Heat, Damp Heat, Change of Temperature, Bump, Vibration, Mechanical Shock			
Safety	As per IEC 61326 for EMI/EMC & As per IEC 61010-1 for Safety			

DESCRIPTION	QTY	DESCRIPTION	QTY
STANDARD ACCESSORIES			
Contact Timing & Voltage Pick-up Cable, 7m	3 Nos.	Spare Fuses	1 Set
Auxiliary Contact Cables, 7m	2 Nos.	Soft Carrying Case for Test Leads	1 No.
Breaker Control Cable, 7m	1 No.	PC Downloading & Analysis Software on CD	1 No.
Contact Resistance Current Cable, 7m	3 No.	Printer Paper Roll. One fitted in instrument	5 Nos.
Master Earthing Cable, 7m	1 No.	Operation cum Instruction Manual	1 Set
Mains Cord, 3m	1 No.	Factory Test & Calibration Report	1 Set
USB Link Cable, for communication with PC, 1.5m	1 No.		

III. TELESCOPIC FRP OPERATING/EARTH DISCHARGE ROD:**A. General:**

1. These telescopic sticks are light in weight yet sturdy and strong with collapsible design. The telescopic operating rods are required in locking systems like push button, male-female threaded coupler and nut bolt type and adjustable height fitting type.
2. Length of the rods required is 2 meter. (minimum 2 members with length not more than 1 meter).
3. FRP operating rod should be made of pultruded material, which are safe for exposing the worker to a large risk of electric shock.
4. Required to discharge Electrical Panels (both HT & LT) & in some cases LT overhead lines
5. Silicon rubber gripper for proper handling of telescopic rod.
6. Aluminum Die casted top section for operation.
7. High electrical & mechanical strength.
8. Super smooth glossy finished.
9. Unique portable design - light weight -strong & sturdy - easy to handle & operate.
10. Tested in Govt. approved test lab as per IEC standard.
11. Provide 100% safety to lineman.
12. Quick restoration of power in minimum time.
13. Work for HV line up to 33 KV(min).

B. Technical Specifications:

1. IEC 479 (1974), ERDA type tests " Dry & Wet" (1991, 92,95 & 98)
2. ERDA " Dry & Wet Tests and Lighting Impulse Voltage withstand test"
3. Tested in Govt. Approved Test lab as per IEC standard
4. Type tested upto 40KV(min)

IV. OIL SAMPLING BOTTLES:**A. Features of Sampling Bottles:**

1. Transformer Oil Sampling Bottles are to be made of Stainless Steel SS.304.
2. Bottles to be constructed with thick heavy duty steel.
3. The assembly shall comprise of SS Needle valve (1/4" BSP) & Adapter fitted on either side of the Bottle.
4. The needle Valves are to be 100% leak proof & are to be tested at pressure of 300 PSI.
5. The bottle can be sealed gas tight with the help of needle valves.
6. All accessories fitted with the bottle are also to be made of Stainless Steel
7. Test Pressure from 1500 to 2500 PSI
8. Draws the Oil in Positive Pressure
9. As per IS 9434:1992
10. The bottle is to be designed to ensure that loss of hydrogen will not exceed 5% per week
11. Test certificate to be provided along with the product.
12. Transformer Oil Sampling Stainless Steel Bottles, Capacity: 500 ml

V. 5 KV INSULATION RESISTANCE TESTER**A. General:**

Compact, portable, easy to use electronic microprocessor based Megohm Meter/Insulation Tester for the measurement of insulation resistance of electrical equipment's.

B. Technical Requirements:

1. The meter should have selectable voltage ranges from 500V to 5KV in steps of 100V or 500V.
2. Selection switch should be provided for range selection.

3. 500V, 1000V, 2500V & 5000V selection should be by direct selector switch.
4. Accuracy of test voltage should be $\pm 3\%$ of the nominal value on $R \geq 10 \text{ G ohm}$.
5. Instrument should display the value of actual voltage being applied to the test object.
6. The meter should measure the resistance up to 5 Tohm with auto ranging facility.
7. Accuracy of resistance measurement should be $\pm 5\%$ of the reading ± 3 counts.
8. The instrument should have short circuit current of $1.5\text{mA} \pm 0.5\text{mA}$.
9. The meter should have alpha-numeric backlit large LCD to display the measured parameters in digital display and analog bar graph. This also should display the necessary messages to the operator.
10. Instrument should have auto-ranging system to automatically select best measuring range.

C. The instrument should have the following special features

1. Automatic Calculation of Polarisation Index
2. Automatic Calculation of Dielectric Absorption Index
3. Pass / Fail Test
4. Facility to set the measurement limits
5. Step Voltage Test
6. Real time clock
7. In-built memory to store up to 4000 measurements
8. RS 232 Port for downloading the data to printer, PC or data logger
9. Interference filter
10. The meter should be powered by rechargeable 12V-2.3Ah battery with auto power off facility.
11. It should have intelligent battery charger working on 100V-240V AC mains.
12. The meter should comply to IP54 class for Environmental protection.
13. The Instrument should meet safety requirements of IEC 61010-1/1990, IEC 61010-1/1992 annex 2.
14. The Instrument should meet IEC 61326-1 for EMC, IEC 1000-4-2 for Electrostatic Immunity & IEC 61000-4-3 for Electro Magnetic Irradiation Immunity.
15. The Instrument should bear the CE marking.
16. The weight of the instrument should be approx. 3 Kgs.
17. Operating Temperature range of the instrument should be from -5°C to 50°C
18. Storage Temperature range of the instrument should be from -25°C to 65°C
19. The instrument should operate in an environment of up to 95% RH non-condensing
20. The instrument should operate up to an altitude of 3000m from sea level
21. The Instrument should be supplied with Calibration certificate traceable to the international standard

D. The standard accessories should include the following:

1. Measuring cables of 1.80m – 2 nos.
2. GUARD Test Leads – 1 no.
3. Charger Power Cord – 1 no.
4. RS 232 Cable – 1 no.
5. Carrying Case – 1 no.
6. Manual – 2 no.
7. Software for download & analysis of test results in PC – 1 CD

E. Supplier must have adequate “After Sales Service” facility in India.

VI. 60 KV AUTOMATIC BDV TEST KIT

1. The equipment shall be suitable for determination of electrical strength (break down voltage) of insulating oil confirming to IS-335 up to 60 kV when measured in accordance with IS:6792. The equipment shall be used in laboratory.
2. The test cell shall be as per IS:6792 and IEC-156-1995 suitable for BDV up to 60kV without external flash over.
3. HV chamber interlocking and zero start interlocking shall be provided.
4. The unit shall have motorized drive to increase voltage linearly as per the rate specified in IS: 6792. Provision shall also be available for manual increase of voltage.

5. The unit shall be complete with motorised test cell stirrer, calibrator and necessary gauges for adjusting the gap.
6. It shall be suitable for 230V, single phase, AC, 50Hz supply with variations of $\pm 10\%$ and $\pm 5\%$ in voltage and frequency respectively.
7. **Kit shall be supplied along with all accessories operating manual, spare fuses – 2 sets, indication lamps – 1 set, power supply chord – 1 no. and Transport Case – 1 no. all that is required for carrying out measurements.** It should offer repeatability of test results.
8. It should have overload and short-circuit protection
9. Factory Test & Calibration Report be submitted along with the item at the time of delivery.

NOTE FOR ALL THE ITEMS:

- (i) Detailed Catalogue for all the items to be submitted along with the quotation.
- (ii) Bidder shall provide atleast 1(one) day training on operation of each equipment. **Training shall be provided on “free of cost” basis.**

ANNEXURE - BB**BID REJECTION CRITERIA/BID EVALUATION CRITERIA****I. BID REJECTION CRITERIA (BRC):**

The bids must conform to the specifications, terms and conditions given in the tender document. Bids shall be rejected in case the items offered do not conform to the required minimum/ maximum parameters stipulated in the technical specifications and to the respective international /national standards wherever stipulated.

Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the offer/ offers will be considered as non-responsive and is/are liable to be rejected, if the following conditions are not fulfilled:

(A) TECHNICAL

- 1.0 The Bidder shall be a manufacturer or authorized dealer of the items they bid for. In case the bidder is an Authorized Dealer, valid authorization certificates from OEM must be submitted along with the bid for the materials quoted.
- 2.0 In case the Bidder is an OEM, the Bidder shall have experience of design, manufacture and supply of at least 2(Two) nos. of Transformer Winding Resistance Meter (10A or more), 2(Two) nos. Circuit Breaker Analyzer, 1 no. Insulation Resistance Tester (5KV or more) and 1(one) no. Automatic BDV Tester (60KV or more) to any Central Govt./State Govt. /PSUs /Public Limited Companies in the last five years reckoned from the Original Bid Closing Date.
- 3.0 In case the Bidder is an Authorized Dealer, the Bidder shall have experience of supply of at least 2(Two) nos. of Transformer Winding Resistance Meter (10A or more), 2(Two) nos. Circuit Breaker Analyzer, 1(One) no. Insulation Resistance Tester (5KV or more) and 1(one) no. Automatic BDV Tester (60KV or more) to any Central Govt./State Govt./PSUs /Public Limited Companies in the last five years reckoned from the Original Bid Closing Date.
- 4.0 In case the bidder is an authorized dealer of OEM, the bidder should have the experience (as mentioned in para 3.0 above) of supplying from the same OEM for the items he is quoting against the tender.
- 5.0 Documentary evidence for clause 2.0 and 3.0 above must be provided along with the bid in the form of purchase order and completion certificate or payment certificate or Tax Invoice from the user/owner, failing which offer will be rejected.
- 6.0 A job/supply executed by a bidder for its own organization/subsidiary cannot be considered as experience for the purpose of meeting Bid Rejection Criteria/ Bid Evaluation Criteria.
- 7.0 Bidder shall submit documentary proof that they have adequate "After Sales Service" facility in India.
- 8.0 The above Bid Rejection Criteria is applicable for all the items.
- 9.0 **Bidder shall quote for all the items otherwise the offer shall be rejected.**
- 10.0 **DELIVERY PERIOD: Delivery shall be completed within 4(Four) months from the date of receipt of firm Purchase Order. Bidder to confirm the same in their bid.**

(B) FINANCIAL:

- 11.0 Annual Financial Turnover of the bidder during any of preceding three financial/accounting years from the original bid closing date should be at least INR 16,75,313.00.

11.1 **Net worth** of bidder must be positive for preceding financial/ accounting year.

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

Notes:

- a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid: -
 - i) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in **ANNEXURE EE**.

OR

- ii) Audited Balance Sheet along with Profit & Loss account.
- b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.

(C) COMMERCIAL

- 1.0 Bids are invited under **SINGLE STAGE COMPOSITE BID SYSTEM**. Bidders shall quote accordingly.
- 2.0 **Bid security of INR 67,013.00 shall be furnished as a part of the bid.** Any bid not accompanied by a proper bid security in ORIGINAL will be rejected without any further consideration. For exemption for submission of Bid Security, please refer Clause No. 8.8 of General Terms & Conditions for National Tenders (National Competitive Bidding), Booklet No. MM/LOCAL/E-01/2005 (For E-tenders). **The Bid Security shall be valid till 26.03.2019.**
- 3.0 Bidders must confirm that materials to be supplied shall be new of recent make and of the best quality and shall be guaranteed for a period of 12 months from the date of receipt at site and acceptance. Defective goods/materials rejected by OIL shall be replaced immediately by the supplier at the supplier's expenses at no extra cost to OIL.
- 4.0 The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.
- 5.0 **Validity of the bid shall be minimum 90 days from the Original Bid Closing date. Bids with lesser validity will be rejected.**
- 6.0 All the Bids must be Digitally Signed using Class III digital certificate (e-commerce application) with '**Certificate Type: Organisation Certificate**' as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. **The bid signed using other than "Class 3" digital certificate, will be rejected.**

- 7.0 Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Security specified above must be valid for 3(three) months beyond the Warranty period indicated in the Purchase Order/contract agreement *[Please refer General Terms & Conditions for National Tenders (National Competitive Bidding), Booklet No. MM/LOCAL/E-01/2005 (For E-tenders)]*. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.
- 8.0 Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.
- 9.0 Bids containing incorrect statement will be rejected.
- 10.0 No offers should be sent by Telex, Cable, E-mail or Fax. Such offers will not be accepted.
- 11.0 The following points are deemed as “non-negotiable” and offer shall be rejected straightaway without seeking clarification:
- i. Validity of bid shorter than validity indicated in the tender.
 - ii. Original Bid Security not received within the stipulated date and time mentioned in the tender.
 - iii. Bid security with (a) Validity shorter than the validity indicated in tender and/or (b) Bid security amount lesser than the amount indicated in the tender.
- 12.0 Bidder must accept and comply with the following clauses as given in the Bid Document, failing which bid shall be liable for rejection:
- i. Liquidated Damages
 - ii. Guarantee of material
 - iii. Arbitration / Resolution of Dispute
 - iv. Force Majeure
 - v. Applicable Laws
- 13.0 **DELIVERY LOCATION:** Delivery to be done at – **OFFICE OF GENERAL MANAGER (MATERIALS)PL OIL INDIA LIMITED, PIPELINE HEADQUARTER, P.O. UDAYAN VIHAR, NARANGI, GUWAHATI - 781171**
- 14.0 **PRICE SCHEDULE:**
- Bidder shall submit the Price Break up as per Annexure DD. Bidders should fill up the annexures, sign and upload under “Notes & Attachments” > “Attachments” only. Evaluation of offers shall be done on F.O.R. Destination, Guwahati basis.**
- 14.1 The bids conforming to the specifications, terms and conditions stipulated in the enquiry and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria given below:
1. Basic Material Value
 2. Packing & Forwarding Charges, if any
 3. **Total Ex-works Value (1+2)**
 4. GST on Total Ex-Works Value
 5. Compensatory Cess, if any
 6. **Total FOR Despatching Station Value (3+4+5)**
 7. Freight Charges upto destination
 8. GST on Freight Charges
 9. Insurance Charges @0.5% of (7) inclusive of GST
 10. **Total FOR Destination, Site Value (6+7+8+9+10+11)**

14.2 Comparison of offers shall be done on Total Value vide Srl. No. 10 (Total FOR Destination Value).

- 14.3 Domestic bidders must quote inland freight charges upto Destination. 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.
- 14.4 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.
- 14.5 Other terms and conditions of the enquiry shall be as per General Terms and Conditions for LCB 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 LCB Tender of the tender and/or elsewhere, those mentioned in this BEC/BRC shall prevail.

ANNEXURE: CC**COMMERCIAL CHECK LIST**

The check list must be completed and submitted with your offer. Please ensure that all these points are covered in your offer. These will ensure that your offer is properly evaluated. Please mark 'Yes', 'No' or 'Not Applicable' or specify against the following questions, in the right hand column.

OFFER REF:			
NAME OF THE BIDDER:			
Srl. No.	Particulars	Yes/No/Not Applicable	Remarks
1	Whether bid submitted under Single Stage Composite Bid System?		
2	Whether ORIGINAL Bid Bond (not copy of Bid Bond) submitted exactly as per format? If YES, provide details -		
	(a) Amount		
	(b) Name of issuing Bank		
	(c) Validity of Bid Bond		
	(d) Whether Bid Bond is valid till		
3	Whether offered firm prices?		
4	Whether quoted offer validity of 90 days from the date of bid closing of the tender?		
5	Whether quoted a firm delivery period? Please indicate.		
6	Whether quoted as per tender (without any deviations)?		
7	Whether quoted any deviation?		
8	Whether deviation separately highlighted?		
9	Whether agreed to the Warranty clause?		
10	Whether Price Bid submitted as per Price Schedule		
11	Whether quoted all the items/qty. of tender?		
12	Whether indicated the country of origin for the items quoted?		
13	Whether technical literature / catalogue enclosed?		
14	Whether confirmed acceptance of tender Payment Terms?		
15	Whether indicated the place from where the goods will be dispatched. To specify :		
16	Whether road transportation charges up to Destination quoted?		
17	Whether offered Ex-works price including packing/forwarding charges?		
18	Whether weight & volume of items offered indicated?		
19	If Pre-despatch/shipment inspection charges applicable, whether quoted separately?		
20	Whether confirmed to submit PBG as asked for in tender?		
21	Whether agreed to submit PBG within 30 days of placement of order?		
22	Whether indicated import content in the offer?		
23	Whether all applicable Taxes & Duties have been quoted?		
24	Whether all BRC/BEC clauses accepted?		
25	Whether MSME? If yes, whether documents enclosed as per tender.		

ANNEXURE - DD**PRICE SCHEDULE**

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

TENDER NO.	
BID CLOSING DATE	

ITEM NO.	MATERIALS DESCRIPTION	HSN Code	QTY	UNIT	UNIT PRICE (IN INR)	TOTAL MATERIALS VALUE (IN INR)	PACKING AND FORWARDING CHARGES (IN INR)	EX-WORKS VALUE (IN INR)	GST (IN INR)	TOTAL FOR DESPATCH STATION VALUE (IN INR)
10	Transformer winding Resistance Meter		3	No.						
20	Circuit Breaker Analyzer		3	No.						
30	Telescopic FRP Operating/Earth Discharge Rod		20	No.						
40	Transformer Oil Sampling Bottles		11	No.						
50	5 KV Insulation Resistance Tester		3	No.						
60	60 KV Automatic BDV Test Kit		1	No.						
Total FOR Despatching Station Value										
Inland Freight charges upto Sites										
Applicable GST on freight charges (Also please indicate the GST rate and SAC code)										
TOTAL F.O.R. DESTINATION, VALUE										
Total weight of consignment										
Total volume of consignment										

Notes:

- (i) In the event of computational error between unit price and total price, unit price shall prevail and adopted for evaluation. Similarly, in the event of discrepancy between words and quoted figure, words will prevail.
- (ii) GST should be quoted separately. If GST is not shown separately the offer will be considered to be inclusive of all taxes and will be binding on the bidder.
- (iii) Insurance charges @0.5% shall be loaded on F.O.R Despatch Station Value for evaluation purpose.
- (iv) Loading & evaluation shall done be as per clause no. 14.1 of Annexure – BB.

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

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

***Applicable for Global Tenders.**

ANNEXURE – VII (Revised)

BID SECURITY FORMAT

TO,

**OIL INDIA LIMITED
PIPELINE HEADQUARTERS
P. O. – UDAYAN VIHAR,
GUWAHATI - 781171
ASSAM, INDIA**

Whereas (herein after called 'the Bidder') has submitted their Bid No..... dated..... against OIL INDIA LIMITED, PIPELINE HEADQUARTERS, GUWAHATI, ASSAM, INDIA (hereinafter called the Purchaser) 's tender No..... for the supply of (hereinafter called 'the Bid') KNOW ALL MEN by these presents that we..... of having our registered office at (hereinafter called 'the Bank') are bound unto the Purchaser, in the sum of for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents.

Sealed with the said Bank thisday of

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws their Bid during the period of Bid validity specified by the Bidder,
or
2. If the Bidder, having been notified of the acceptance of their bid by the Purchaser during the period of bid validity:
 - a) fails or refuses to accept the order; or
 - b) fails or refuses to furnish the performance securityor
3. If the Bidder furnishes fraudulent document/information in their bid.

We undertake to pay to the Purchaser up to the above amount upon receipt of their first written demand (by way of letter /fax/cable) without the Purchaser having to substantiate their demand, provided that in their demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or all of the conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including _____ (Bidder to indicate specific date as mentioned in the tender), and any demand in respect thereof should reach the Bank not later than the above date.

The details of the issuing bank and controlling bank are as under:

A. Issuing Bank

1. Full address of the bank:
2. Email address of the bankers:
3. Mobile nos. of the contact persons:

B. Controlling Office

1. Address of the controlling office of the BG issuing banks:
2. Name of the contact persons at the controlling office with their mobile nos. and email address:

Signature & Seal of the Bank