

Annexure-I

OIL INDIA LIMITED
(A Government of India Enterprise)
P.O. Duliagan-786602, Assam, India
E-mail: material@oilindia.in

INVITATION FOR BID
LOCAL COMPETITIVE BID

OIL INDIA LIMITED invites Local Competitive Bids (LCB) through its e-procurement portal <https://etender.srm.oilindia.in/irj/portal> for the following items:

Tender No	Bid Closing/ Opening Date	Item & Qty
SSI8141P16 DT: 10.08.2015 (SINGLE STAGE COMPOSITE BID SYSTEM)	15.10.2015	MICRONIZED CALCIUM CARBONATE-250 MT
SSI8143P16 DT: 10.08.2015 (SINGLE STAGE COMPOSITE BID SYSTEM)	15.10.2015	LEATHER SAFETY HAND GLOVES-25000PAIRS
SSI8140P16 DT: 10.08.2015 (SINGLE STAGE COMPOSITE BID SYSTEM)	15.10.2015	SILICA FLOUR-240MT
SSI8298P16 DT: 25.08.2015 (SINGLE STAGE COMPOSITE BID SYSTEM)	15.10.2015	CABLES
SDI8381P16 DTD. 29.08.2015 (SINGLE STAGE COMPOSITE BID SYSTEM)	15.10.2015	AIR CIRCUIT BREAKER
SDI8353P16 DTD. 28.08.2015 (SINGLE STAGE COMPOSITE BID SYSTEM)	15.10.2015	WINDOW AIRCONDITIONER

Tender fee (Non-refundable): Rs 1,000.00; Bid Closing/Opening Time: **(11 Hrs.) IST/(14 Hrs.) IST**; Last date for submission of tender fee **one week prior to bid closing date**. The complete bid documents and details for purchasing bid documents, participation in E-tenders are available on OIL's e-procurement portal <https://etender.srm.oilindia.in/irj/portal> as well as OIL's website www.oil-india.com.

NOTE: All addenda, Corrigenda, time extension etc. to the tenders will be hosted on above website and e- portal only and no separate notification shall be issued in the press. Bidders should regularly visit above website and e-portal to keep themselves updated.



OIL INDIA LIMITED
(A Government of India Enterprises)
PO : Duliajan – 786602
Assam (India)

TELEPHONE NO: (91-374) 2808719

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FORWARDING LETTER

Tender No. : SDI8381P16 Dtd. 29.08.2015

Tender Fee : Rs 1,000.00

Bid Security Amount : 14,700.00

Bidding Type : SINGLE STAGE COMPOSITE BID SYSTEM

Bid Closing on : As mentioned in the e-portal

Bid Opening on : -do-

Performance Security : Applicable

Integrity Pact : Not Applicable

OIL invites Bids for **Supply of Air Circuit Breaker (Qty. – 02 Nos.)** through its e-Procurement site under **SINGLE STAGE COMPOSITE BID SYSTEM**. The bidding documents and other terms and conditions are available at Booklet No. MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents

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.

The tender will be governed by:

- a) “General Terms & Conditions” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.
- b) Technical specifications and Quantity as per **Annexure – 1A**.
- c) The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents.
- d) In the event of receipt of only a single offer against the tender within B.C. date, OIL reserves the right to extend the B.C. date as deemed fit by the Company. During the extended period, the bidders who have already submitted the bids on or before the original B.C. date, shall not be permitted to revise their quotation.
- e) All corrigenda, addenda, amendments, time extension, clarifications etc. To the tender will be hoisted on OIL’s website (www.oil-india.com) and in the e-portal (<https://etenders.srm.oilindia.in/irj/portal>) only and no separate notification shall be issued

in the press. Prospective bidders are requested to regularly visit the website and e-portal to keep themselves updated.

- f) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).
- g) Bidder are advised to fill up the Technical bid check list (**Annexure EEE**) and Response sheet (**Annexure FFF**) given in MS excel format in Technical RFx -> External Area -> Tender Documents. The above filled up document to be uploaded in the **Technical RFX** Response.

Special Note:

1.0 General Qualification Criteria:

In addition to the general BRC/BEC, following criteria on Bidders' Experience and their financial capabilities shall be considered (**Documentary evidence to be provided along with the bid in Technical RFx -> External Area -> Tender Documents**) as on the Bid Closing Date:

Criteria	Complied / Not Complied. Documentary evidence submitted / not submitted
a) Bidder should have experience of successfully executing single similar order of Rs 4.41 Lakhs during last 3 years.	
b) Annual financial turnover of the firm in any of the last 3 financial years or current financial year should not be less than Rs 14.70 Lakhs.	

Note: Documentary evidence in respect of the above should be submitted in the form of copies of relevant Purchase Orders along with copies of any of the documents in respect of satisfactory execution of each of those Purchase Orders, such as – (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Receipted Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory execution of each of the purchase orders cited above. For Annual financial turnover enclose the audited Annual Reports or balance sheet certified by a chartered accountant.

2.0 Vendors having OIL's User ID & password shall purchase bid documents on-line through OIL's electronic Payment Gateway.

Vendors who do not have OIL's User ID & password shall obtain User ID & password through online vendor registration system in e-portal and can subsequently purchase bid documents through OIL's electronic Payment Gateway.

Alternatively application showing full address/email address with Tender Fee (Non-refundable) of Rs. 1,000.00 in favour of M/s Oil India Limited and payable at Duliajan is to be

sent to Head-Materials, Oil India Limited, P.O. Duliajan, Assam-786602. Application shall be accepted only upto 08.09.2015 (or as amended in e-portal). The envelope containing the application for participation should clearly indicate “REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E TENDER NO ...” for easy identification and timely issue of user ID and password. On receipt of requisite tender fee, USER_ID and initial PASSWORD will be communicated to the bidder (through e-mail) and will be allowed to participate in the tender through OIL’s e- Procurement portal. No physical tender documents will be provided. Details of NIT can be viewed using “Guest Login” provided in the e-Procurement portal. The link to e-Procurement portal has been also provided through OIL’s web site www.oil-india.com.

NOTE:

a) Tender Fee may also be paid online upto one week prior to the bid closing date (or as amended in e-portal).

b) PSUs and MSE 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.

3.0 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 **Head Materials, Materials Department, Oil India Limited, Duliajan - 786602, Assam** on or before the Bid Closing Date and Time mentioned in the Tender.

- a) Original Bid Security
- 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.

4.0 Benefits to Micro & Small Enterprises (MSEs) as per prevailing Govt guidelines as applicable on B.C date shall be given. MSEs who are interested in availing the benefits will upload with their offer proof of their being MSE registered for the item tendered. The MSE are also required to upload scanned copies of relevant documents indicating details of registration alongwith validity, name of the registering organization and details of the item, ownership etc., failing which, their offer may not be liable for consideration of benefits to MSEs.

5.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the NIT 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.

6.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time failing which the offer shall be rejected.

7.0 Bid must be submitted electronically only through OIL’s e-procurement portal. Bid submitted in any other form will be rejected.

- 8.0 The tender shall be governed by the Bid Rejection & Bid Evaluation Criteria given in enclosed **Annexure-CCC**. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (as per **Annexure-CCC**) contradict the Clauses of the tender and / or “General Terms & Conditions” as per Booklet No. MM/LOCAL/E-01/2005 for E-procurement (LCB Tenders) elsewhere, those in the BEC / BRC shall prevail.
- 9.0 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 will be summarily rejected.
- 10.0 Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

Yours Faithfully

**Sd-
(R. BARMAN)
SR. MANAGER MATERIALS (IP)
FOR HEAD-MATERIALS**

Tender No & Date: SDI8381P16 Dtd. 29.08.2015

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

The following BRC/BEC will govern the evaluation of the bids received against this tender. Bids that do not comply with stipulated BRC/BEC in full will be treated as non responsive and such bids shall prima-facie be rejected. Bid evaluation will be done only for those bids that pass through the “Bid Rejection Criteria” as stipulated in this document.

Other terms and conditions of the enquiry shall be as per General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BRC / BEC) contradict the Clauses of the tender or MM/LOCAL/E-01/2005 elsewhere, those in the BRC / BEC shall prevail.

<u>Criteria</u>	Complied / Not Complied. (Remarks if any)
<p>1.0 BID REJECTION CRITERIA (BRC):</p> <p>A) TECHNICAL:</p> <p>The bid shall conform generally to the terms and conditions given in this document. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected.</p> <p>B) COMMERCIAL:</p> <p>i). Validity of the bid shall be minimum 120 days from the Bid Closing Date.</p> <p>ii). Bid security: The bid must be accompanied by Bid Security of Rs 14,700.00 in OIL's prescribed format as Bank Guarantee or a Bank Draft/Cashier cheque in favour of OIL. The Bid Security may be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender. The Bank Guarantee towards Bid Security shall be valid for 10 months from Bid closing date. (i.e. upto 15.08.2016)</p> <p>Bid Security may also be paid online on or before the Bid Closing Date and Time mentioned in the Tender.</p> <p><u>If bid security in ORIGINAL of above mentioned Amount and</u></p>	

Validity is not received or paid online within bid closing date and time, the bid submitted through electronic form will be rejected without any further consideration.

For exemption for submission of Bid Security, please refer Clause No. 8.8 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.

The format of Bank Guarantee towards Bid Security (Annexure – VII) has been amended to Annexure – VII (Revised) and bidders should submit Bank Guarantee towards Bid Security as per Annexure – VII (Revised) only.

In case of extension of Bid Closing date against the tender where a bidder has already submitted his bid with requisite bid security validity within the original B.C. Date, such bidders will extend validity of bid security covering the extended period of the bid closing date.

iii). Performance Security:

The successful Bidder will have to provide Performance Security @ 10% of order value. The Performance Security must be valid for one year from the date of successful commissioning of the equipment or 18 months from the date of despatch whichever is earlier.

The validity requirement of Performance Security is assuming despatch within stipulated delivery period and confirmation to all terms and conditions of order. In case of any delay in despatch or non-confirmation to all terms and conditions of order, validity of the Performance Security is to be extended suitably as advised by OIL.

For exemption for submission of Performance Security, please refer Clause No. 9.12 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.

- iv).** *The Bank Guarantee should be allowed to be encashed at all branches within India.*
- v).** 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.
- vi).** 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.
- vii).** All the Bids must be Digitally Signed using “Class 3” digital certificate with Organisation’s name (*e-commerce application*) as per Indian IT Act

<p>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.</p> <p>viii). Price should be maintained in the “online price schedule” only. The price submitted other than the “online price schedule” shall not be considered.</p> <p>ix). A bid shall be rejected straightway if it does not conform to any one of the following clauses:</p> <p>(a) Validity of bid shorter than the validity indicated in the Tender.</p> <p>(b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.</p> <p>(c) Bid Security with (i) Validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.</p> <p>(d) Average Annual Turnover of a bidder lower than the average Annual turnover mentioned in the Tender.</p> <p>2.0 <u>BID EVALUATION CRITERIA (BEC)</u></p> <p>A) TECHNICAL:</p> <p>The bids conforming to the terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria as well as verification of original of any or all documents/ documentary evidences pertaining to BRC, will be considered for further evaluation as per the Bid Evaluation Criteria given below.</p> <p>B) COMMERCIAL:</p> <p>i). To evaluate the inter-se-ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing Govt. of Assam guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their offer.</p> <p>ii). 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 will be summarily rejected.</p>	
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NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

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TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No & Date: SDI8381P16 Dtd. 29.08.2015

	Complied / Not Complied. (Remarks if any)
<p>ITEM NO. 10 3200 AMPS, 433 V AC, AIR CIRCUIT BREAKER (Qty. – 02 Nos.)</p> <p>1. General: Air circuit breaker (ACB) rated current 3200Amps, 65KA sort circuit current rating for AC (50/60Hz) low voltage electrical installation for voltage 433V should have the following general features:</p> <p>(a) ACB shall be equipped with an inbuilt series trip unit that offers the appropriate level of protection performance to fit to the application. All trip units could be proposed with versions that provide measurement, and communication functions.</p> <p>(b) ACB shall be available in withdrawable versions in 3-pole versions. Mode of operation (electrical or manual) shall be as per BOM.</p> <p>(c). It shall be possible to supply power either from the top or bottom side without reduction in performance.</p> <p>(d). ACB shall have a rated operational voltage (Ue) of 433 V, a rated insulation voltage (Ui) of 1000 V (AC 50/60 Hz) and a rated impulse voltage (Uimp) of 12kV.</p> <p>(e). ACB shall suitable for isolation according to IEC 60 947-1 and –2 for the rated insulation voltage of 1000 V and for the overvoltage category IV. ACB shall be suitable for pollution category IV.</p> <p>(f). The operating mechanism shall be of the Open/Closed/Open stored-energy spring type. The ACB shall be of 2 cycle Breaker i.e. total break time (opening time plus arcing time) shall be less than or equal to 40ms. The closing time shall be less than or equal to 70 ms.</p> <p>(g). A manually operated ACB shall be able to be converted to electrically operated easily at site by adding the motor mechanism and terminal connector.</p> <p>2. Compliance with Standards: General features, operating charracteristics, dielectric properties, tripping system, category for rated voltage, class of insulation, accuracy class and climatic withstand should be as per following standards:</p> <p>(a). IS /IEC 60947-1 & 2: Low-voltage Switchgear and control gear.</p> <p>(b). IEC 60947-2, annex B: Circuit Breaker incorporating residual current protection.</p> <p>(c). IEC 60947-2, annex F: Additional tests for circuit-breakers with electronic over - current protection.</p> <p>(d). IEC 60664-1: Insulation coordination for equipment within low-voltage systems - Part 1:Principles, requirements and tests.</p> <p>(e). IEC 61000-4-1: Electromagnetic compatibility (EMC),Testing and measurement techniques.</p>	

(f). IEC 61557-12: Combined performance measuring and monitoring devices for electrical parameters.

(g). IEC 60068-2: Environmental testing.

3. Circuit Breaker Design:

3.1 Safety:

For maximum safety,

(i). Air circuit breakers main contact shall be encased in a reinforced polyester casing and offer double insulation from the operators on the breaker front face.

(ii). Air circuit breakers shall be equipped with metal filters to reduce effects perceptible from the outside during current.

(iii). The circuit breaker shall be equipped with a safety interlock which keeps the circuit breaker open if the trip unit is not installed.

(iv). Mechanical indicators on the front panel of Air circuit breakers shall indicate the following status conditions:

“ON” (main contacts closed)-Spring charged

“ON” (main contacts closed)-Spring discharged

“OFF” (main contacts open)- Spring charged – circuit breaker ready to close.

“OFF” (main contacts open)- Spring charged – circuit breaker not ready to close.

“OFF” (main contacts open) - Spring discharged.

(v). ACB shall be equipped with anti pumping function: If opening and closing orders occur simultaneously, the circuit breaker shall remain in the open position. After fault tripping or intentional opening using the manual or electrical controls, the closing order must first be discontinued, then reactivated to close the circuit breaker.

(vi). The drawout operation shall be possible through a closed door:

o Three positions of the moving part shall be possible :

#Connected position - all auxiliary and main circuits engaged.

#Test position - all auxiliary circuits engaged all main circuits disconnected.

#Isolated position - all circuits disconnected.

o The positions shall be clearly indicated and no intermediate position shall be possible

o Each position shall be acknowledged before moving to a new position.

o The racking handle shall be stowed on the air circuit breaker in such a manner as to be accessible without defeating the door interlocking.

o The drawout mechanism shall be part of the fixed frame to reduce the weight of withdrawable part.

(vii). A door interlock shall be provided so that it shall not be possible to open the door until the air circuit breaker moving part is in the disconnected position.

(viii). Insulated safety shutters shall be provided over the incoming and outgoing main circuits and over the auxiliary circuits. An interlocking shall be provided to prevent insertion of a circuit breaker having a rating higher than the current rating of the fixed part, into that fixed part.

(ix). In electronic trip units, protection functions shall be electronically managed independently of measurement and communication function by a dedicated ASIC.

3.2 Breaking capacity, durability, discrimination:

(i). The ACB breaking capacity performance certificates shall be available for category B according to IEC 60947-2 standards. The test shall be carried out with a breaking performance during operation (Ics) and admissible short time withstand (Icw) for 1 sec equal to the ultimate breaking capacity (Icu.) up to 65kA@ 433V.

(ii). ACB's manufacturer shall provide selectivity and coordination tables with other devices

such as other ACB, ACBs, switches etc in the outgoings.

(iii). Mechanical durability without maintenance shall be at least 10000 operations upto 4000A & 5000 for more. Electrical durability without maintenance at full load at 433V shall be 5000 operations upto 4000A and 1000 for more.

3.3 Auxiliaries and accessories

3.3.1 Generals:

(i). All electrical auxiliaries including the motor spring charging mechanism shall be field adaptable. They shall be fitted into a compartment which under normally loaded conditions has no metalwork energized from the main poles exposed with it.

(ii). Any adaptation carried out shall not increase the breaker overall dimensions.

(iii). It shall be possible to connect all auxiliary wiring from the front face of the air circuit breaker, this wiring shall be taken through a set of disconnecting contacts, so that all auxiliary wiring is automatically disconnected in the isolated position.

(iv). ACB rack-in rack-out handle shall be stored within the breaker.

3.3.2 Remote operation:

(i). Coils:

o The breaker could be equipped with one closing release, one shunt opening release, one additional shunt or undervoltage opening release as per scheme requirement.

o Coils shall be designed for continuous-duty. Communicable coils may be of impulse duty.

o Voltage release auxiliary power supply - DC-(24+-10%) V

(ii) Electric motor for spring charge:

o Motor auxiliary power supply: AC: (230+-10%) V

o Charging time: ≤ 5 sec

4. Protections requirements:

4.1 General:

(i). The ACB shall be available in 4-pole (neutral protection) versions. On 4-pole circuit breakers, a 3-position switch shall be provided to set neutral protection to any of the following levels: unprotected neutral (4P3D), half-protected neutral (4P3D+N/2) or fully protected neutral (4P4D).

(ii). The trip units shall not increase overall circuit breaker dimensions.

(iii). All electronic components shall withstand temperatures up to 105 °C.

(iv). Trip units shall be adjustable and it shall be possible to fit lead seals to prevent unauthorised access to the settings.

(v). Protection settings shall apply to all circuit breaker poles.

(vi). It shall be possible to adjust protections with a knob without any power supply or when the main is off.

(vii). Electronic trip unit shall include thermal memory for faster tripping for repeat overload.

(viii). It shall be possible to equip ACBs with an auxiliary contact signaling an electrical fault operated by the trip unit.

(ix). The following monitoring functions shall be integral parts of electronic trip units:

o 1 LED for load indication lighted above 105 % of Ir.

o a test connector shall be installed for checks on electronic and tripping mechanism operation using an external device.

4.2 Trip unit protection functions: ACB shall be equipped with a trip unit that offers the appropriate level of performance to fit to the application:

4.2.1 Selective protection & Ground fault (LSIG) with energy measurement. These trip units shall offer

(i). Long time protection:

- Adjustable I_r threshold settings from 40% to 100% of the trip unit rating.
- Adjustable t_r time delay settings (minimum 5)

(ii). Short time protection

- Adjustable I_{sd} threshold settings from $1.5 \times I_r$ to $10 \times I_r$.
- Adjustable t_{sd} time delay settings (minimum 5)

(iii). Instantaneous protection.

- Adjustable I_i threshold settings from $2 \times I_n$ to $15 \times I_n$ with an OFF position.

iv). Ground fault protection (GF).

- Adjustable I_g threshold settings.
- Adjustable t_g time delay settings (minimum 5).

4.3 Trip unit measurement function: Measurements shall be:

(i). Currents & Energy.

(ii). Voltage, active power, reactive power, power factor, energy.

(iii). Accuracies of the entire measurement system, including the sensors: shall be

Current: 1.5%

Voltage: 0.5 %

#Power and energy: 2%

(iv) Rogowski current transformers shall be used to ensure accurate measurements from low current up to high currents.

(v). For safety reason, protection functions shall be electronically managed independently of measurement function by a dedicated ASIC.

(vi). The accuracy shall be as per IEC 61557-12 for DD type. Voltage and current sensors both shall be direct within the device.

(v). The measurements shall be displayed on the breaker itself and on a remote system in Ethernet communication. In addition to these solutions it shall be possible to connect a remote display.

5. Operating & Maintenance:

5.1 Maintenance: The arc chutes shall be removable on site. The main contacts shall be equipped with a visual wear indicator that may be accessed by removing the arc chutes, for immediate assessment of contact wear without requiring measurements or specific tools.

5.2 Operating assistance function:

(i). Electronic trip units with measurement and communication capability shall offer operating assistance function:

- o 10 trips history (Fault type, date and time).

- o Pre-alarm.

- o Trip and pre-alarm could activate relay output(s).

(ii). These functions and indicators shall be available on the display, by communication or setting PC tool.

5.3 Maintenance indicators: Electronic trip units with measurement and communication capability shall offer maintenance indicators:

- # Operation and trip counters.

- # Operating hours counter.

- # Load profile.

- # These functions and indicators shall be available by communication or PC tool.

<p>5.4 Commissioning and operating tool:</p> <p># A test connector shall be installed for checks on electronic and tripping mechanism operation using an external dedicated tool.</p> <p># A software tool available for all electronic trip unit shall be provided:</p> <ul style="list-style-type: none"> -To visualize and configure trip unit parameters. -To create and save setting files. -To display tripping curve. -To set time and date. -To display tripping and alarms histories. <p>6. Functions and characteristics:</p> <p>The Micrologic P control unit calculates in real time all the electrical values (V, A, W, VAR, VA, Wh, VARh, VAh, Hz), power factors and cosj factors. The Micrologic P control unit also calculates demand current and demand power over an adjustable time period. Each measurement is associated with a minimeter and a maximeter. In the event of tripping on a fault, the interrupted current is stored. The optional external power supply makes it possible to display the value with the circuit breaker open or not supplied.</p> <p>7. Environment:</p> <p># The manufacturer shall provide product environmental profile of the ACB.</p> <p># The manufacturer shall provide instructions on the removal, dismantling and processing of circuit-breaker materials at the end of service life.</p>	
<p>Item No. 20</p> <p>Installation & Commissioning of Item No. 10 (Qty. – AU)</p> <p>A. To commission the Air Circuit Breakers at site as per user requirement. Any materials required for installation & commissioning of panel will be arranged and provided by party.</p> <p>B.Jobs:</p> <ol style="list-style-type: none"> 1. Installation and fixing (including grouting) of the supplied ACBs at existing panel in site. 2. Wiring for 24V DC arrangement to be made from existing DC network for control voltage and necessary connections to breakers. 3. Checking of various relays, meters and other provided in control and relay panel of breakers. 4. All necessary connections for breakers to be done by party. 5. Energization of the ACBs and testing of ACBs at no load condition to be done at site. 6. Testing of panels/breakers in full load condition, including simulation of faults, with available loads. 7. Submission of testing and commissioning reports. 8. Necessary help/suggestion for installation to be provided by supplier. 9. Accommodation may be arranged on chargeable basis subject to availability. 10. Copy of electrical supervisor licence of the person who will carry out the installation & commissioning of breakers to be submitted before start the job. 	

NOTE:

1. Offer LT ACB should be of 3200Amps, minimum 65KA Short Circuit Current rating, 433V, 50Hz, suitable to fit in the existing panels.
2. Bidder should have a minimum 3 years experience as on bid closing date for supply, installation and commissioning of minimum 1no ACB in state/central govt./PSU/public limited company. Documentary evidence must be submitted for the same.

3. Bidder must submit the test certificates for ACB along with offers for the following:
 - (a) Short time current withstand test.
 - (b) Temperature rise test.
4. Material should be procured from the manufacturer or its authorised dealers only. In case of authorised dealer for supply, valid dealership certificate should be enclosed along with the offer otherwise offer will not be considered for evaluation.
5. The bidder should have experience of successfully executing similar order (i. e., supplying and commissioning) of at least 1 (one) no. of LT circuit breaker to Central Govt./State Govt./ PSU in the last 3 years as on bid closing date. Document copy to be provided, otherwise offer shall be rejected.
6. The panel should be a make of reputed make like Crompton Greaves/Siemens/ABB/any other reputed brand.
7. Technical catalogues/leaflet, operation and maintenance manual of panel should be submitted along with the offer, otherwise the offer will be rejected.
8. Bidder should visit the site before quoting to know the existing panel condition and its size where supplied new ACB will be retrofitted. Supplied new ACB should be compatible to existing panel.
9. Replacement of front door of existing panel including module is the scope of bidder.
10. Make- Schneider/CG/Siemens/Any other reputed make.
11. Complete Installation and Commissioning of supplied new ACBs in existing panel is the scope of bidder. Removing of existing breaker from panel is also the scope of bidder.
12. The panel should be guaranteed for minimum one year period from the date of commissioning or 18 months from the date of supply. Guarantee certificate should be supplied along with the material.
13. **FOR-Moran.**
14. All protection features like O/C, E/F and metering facilities for voltage, current to be available in the offer. Indicating light should be of LED type.
15. Packing should be adequate to avoid transit damage and ingress of water.
- 16.. In case of order, 3(Three) sets of maintenance and operating manuals should be supplied along with the material and also to train our employees by manufacturer engineer about the maintenance and operating of material in OIL workshop.
17. After receipt of order and within 30 days then after the party must submit general arrangement, schematic diagram, wiring diagram and dimension details for our approval. Only after our approval in this regards, the order should be executed.

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

Technical Bid Checklist**Annexure-EEE**

Tender No.			
Bidder's Name :			
		Compliance by Bidder	
SL. NO.	BEC / TENDER REQUIREMENTS	Indicate 'Confirmed' / 'Not Confirmed' / Not applicable	Indicate Corresponding page ref. of unpriced bid or Comments
1	Bidder to confirm that he has not taken any exception/deviations to the bid document .		
2	Confirm that the product offered strictly conform to the technical specifications.		
3	Confirm that the Offer has been made with Bid Bond / Bank Guarantee / Earnest Money along with the offer (Wherever Applicable) ?		
4	Confirm unconditional validity of the bid for 120 days from the date of opening of techno-commercial bid.		
5	Confirm that the prices offered are firm and / or without any qualifications?		
6	Confirm that all relevant fields in the on-line bidding format been filled in by the bidders for the items quoted by them.		
7	Confirm that the price bid is in conformity with OIL's online bidding format ?		
8	Confirm that the Bid comply with all the terms & conditions ?		
9	Confirm that the offers and all attached documents are digitally signed using digital signatures issued by an acceptable Certifying Authority (CA) as per Indian IT Act 2000.		
10	CONFIRM THAT YOU HAVE SUBMITTED THE DULY SIGNED INTEGRITY PACT DOCUMENT (Wherever Applicable)		
11	CONFIRM THAT YOU HAVE SHALL SUBMIT PERFORMANCE BANK GUARANTEE AS PER NIT IN THE EVENT OF PLACEMENT OF ORDER ON YOU (Wherever Applicable)		
12	CONFIRM THAT YOU HAVE SUBMITTED DOCUMENTS AS PER GENERAL QUALIFICATION CRITERIA		
13	Confirm that you have submitted Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager where Bid security has been submitted as Bank Guarantee.		

NOTE: Please fill up the greyed cells only.

Response Sheet**Annexure-FFF**

Tender No.	
Bidders Name	

Bidders Response Sheet

Sl No.	Description	Remarks
1	Name of Bidder	
2	Whether tender document purchased from OIL's offices.	
3	Place of Despatch	
4	Whether Freight charges have been included in your quoted prices	
5	Whether Insurance charges have been included in your quoted prices	
6	Make of quoted Product	
7	Offered Validity of Bid as per NIT	
8	Delivery Period in weeks from placement of order	
9	Complied to Standard Payment Terms of OIL or not.	
10	Bid Security Submitted (if applicable)	
11	Details of Bid Security Submitted to OIL (if applicable)	
	a) Bid Security Amount (In Rs):	
	b) Bid Security Valid upto:	
12	If Bid security submitted as Bank Guarantee, Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager	
13	Bid Security if Not submitted reasons thereof	
14	Whether you shall submit Performance Security in the event of placement of order on you (if applicable)	
15	Integrity Pact Submitted (if applicable)	
16	Whether submitted documents in support of General Qualification criteria of NIT	
17	If bidder is Small scale unit whether you have quoted your own product	
18	If bidder is Small scale unit whether you are eligible for purchase preference (as per Govt guidelines)	
19	Whether filled up the bank details for online payment as per Annexure GGG	

NOTE: Please fill up the greyed cells only.

**(TO BE FILLED UP BY ALL THE VENDOR IN THEIR OWN LETTER HEAD)
(ALL FIELDS ARE MANDATORY)**

Tender No. :.....
Name of Beneficiary :M/s.....
Vendor Code :.....
Address :.....
.....
Phone No. (Land Line) :.....
Mobile No. :.....
E-mail address :.....
Bank Account No. (Minimum
Eleven Digit No.) :.....
Bank Name :.....
Branch :.....
Complete Address of your
Bank :.....
IFSC Code of your Bank
a) RTGS :.....
b) NEFT :.....
PAN :.....
VAT Registration No. :.....
CST Registration No. :.....
Service Tax Registration No. :.....
Provident Fund Registration :.....

I/We confirm and agree that all payments due to me/us from Oil India Limited can be remitted to our above mentioned account directly and we shall not hold Oil India Limited responsible if the amount due from Oil India Limited is remitted to wrong account due to incorrect details furnished by us.

Office Seal

.....
Signature of Vendor

Counter Signed by Banker:
Seal of Bank:

Enclosure: Self attested photocopies of the following documents-

- 1) PAN Card
- 2) VAT Registration Certificate
- 3) Service Tax Registration
- 4) CST Registration
- 5) Provident Registration Certificate
- 6) Cancelled cheque of the bank account mentioned above (in original).
- 7) Bank Statement not older than 15 days on the date of submission.