

ANNEXURE-I

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

INVITATION FOR LOCAL COMPETITIVE BID

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

E-Tender No	Bid Closing/Opening Date	Item Description
SDI1622P17 Dt. 01.07.2016 Single Stage Composite Bid System	04.08.2016	Nitrogen Generating & Filling Plant
SDI1057P17 Dt. 10.05.2016 Single Stage Composite Bid System	04.08.2016	LT Panel
SDI1624P17 Dt. 01.07.2016 Single Stage Composite Bid System	04.08.2016	Centrifugal Pump
SDI1625P17 Dt. 01.07.2016 Single Stage Composite Bid System	04.08.2016	4 Way RMU
SDI1626P17 Dt. 01.07.2016 Single Stage Composite Bid System	04.08.2016	Street Lightning Control DB
SDI1632P17 Dt. 02.07.2016 Single Stage Composite Bid System	04.08.2016	Street Lightning Pole with Luminaire
SSI0628P16 Dt. 18.03.2016 Single Stage Composite Bid System	04.08.2016	Galvd. Wire- 3MT and Galvd. Barbed Wire-20MT from MSE Vendor
SSI1488P17 Dt. 16.06.2016 Single Stage Two Bid System	04.08.2016	Paints

Tender fee (Non-refundable): Rs 1,000.00; Bid Closing/Opening Time: **(11 Hrs.) IST/(14 Hrs.) IST**; Period of sale of documents: **Till 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

FAX NO: (91-374) 2800533

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

FORWARDING LETTER

Tender No. : SDI1057P17 Dt. 10.05.2016

Tender Fee : Rs 1,000.00

Bid Security : Applicable

Bidding Type : SINGLE STAGE COMPOSITE BID SYSTEM

Tender Type : Open Tender

Bid Closing / Opening on : As mentioned in the e-portal

Performance Security : Applicable

Integrity Pact : Not Applicable

OIL invites Bids for **Supply, Testing & Commissioning of LT Panel (Qty. – 1 No.)** 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 of Indigenous 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) For technical support on various matters viz. Online registration of vendors, Resetting of Passwords, submission of online bids etc, vendors should contact OIL's ERP MM Deptt at following: Tel Nos = 0374-2807178, 0374-2807171 , 0374-2807192. Email id = erp_mm@oilindia.in.

- b) OIL's office timings are as below:

	Time (in IST)
Monday – Friday	07.00 AM to 11.00 AM; 12.30 PM to 03.30 PM
Saturday	07.00 AM to 11.00 AM
Sunday and Holidays	Closed

Vendors should contact OIL officials at above timings only.

- c) “General Terms & Conditions” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.

- d) Technical specifications and Quantity as per **Annexure – 1A**.
- e) The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area -> Tender Documents.
- f) Amendments to the NIT after its issue will be published on OIL's website only. Revision, clarification, addendum, corrigendum, time extension etc. to the tender will be hosted on OIL website only. No separate notification shall be issued in the press. Prospective bidders are requested to visit website regularly to keep themselves updated.
- g) 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).
- h) 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 Technical and Financial Criteria:

In addition to the general BRC/BEC, following Technical and Financial criteria shall be considered as on the original Bid Closing Date. (**Documentary evidence to be provided along with the bid in Technical RFx -> External Area -> Tender Documents failing which the offer shall be rejected**).

Criteria	Complied / Not Complied. Documentary evidence submitted / not submitted
a) Bidder should have experience of successfully executing atleast 1 (one) similar order for Rs. 9.10 Lakhs in preceding 5 (five) years as on BC Date. “Similar Order” means “supply, installation, testing and commissioning of new LT panel/HT panel/switchgear panel”.	
b) Annual financial turnover of the firm in any of the preceding 3 financial years should not be less than Rs. 9.10 Lakhs .	
c) Net Worth of the firm should be Positive for preceding financial / accounting year.	

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 Report , Balance Sheet and Profit and Loss Account certified by a chartered accountant.

2.0 Vendors having OIL's User ID & password may pay Tender Fee on-line through OIL's electronic Payment Gateway upto one week prior to the Bid closing date (or as amended in e-portal).

Vendors who do not have OIL's User ID & password, may generate User ID & password online by the Vendor by using the link for supplier enlistment given in OIL's e-tender portal and then pay Tender Fee on-line through OIL's electronic Payment Gateway upto one week prior to the Bid closing date (or as amended in e-portal).

Alternatively application showing full address/email address with Tender Fee (Non-refundable) of Rs. 1,000.00 in the form of crossed "Payee Account only "Bank Draft/Bankers' Cheque drawn by Bank and valid for 90 days from the date of issue of the same or in the form of Indian Postal Orders payable to the OIL is to be sent to **DGM-Materials, Oil India Limited, P.O. Duliajan, Assam-786602. Application shall be accepted only upto one week prior to the Bid closing date (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:

In case of MSE/PSUs/ Govt. Bodies / eligible institutions etc., they shall apply to DGM-Materials, Oil India Limited, P.O. Duliajan, Assam-786602 for waiver of Tender Fee upto one week prior to the Bid closing date (or as amended in e-portal).

3.0 The tender is invited under SINGLE STAGE- COMPOSITE BID SYSTEM. The bidders are required to submit both the "TECHNO-COMMERCIAL UNPRICED BID" and "PRICED BID" through electronic format in the OIL's e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender.

3.1 Please ensure that Technical Bid / all technical related documents related to the tender are uploaded in the Technical RFx Response-> User - > Technical Bid only.

4.0 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 **DGM- 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 Duplicate.

5.0 Benefits to Micro & Small Enterprises (MSEs) as per OIL's Public Procurement Policy for Micro and Small Enterprises (MSEs) shall be given. Bidders are requested to go through ANNEXURE – I of MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders for more details. MSE bidders are exempted from submission of Tender Fees and Bid Security/Earnest Money provided they are registered for the items they intend to quote.

6.0 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.

7.0 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.

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

9.0 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 of Indigenous Tenders elsewhere, those in the BEC / BRC shall prevail.

10.0 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.

11.0 Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

12.0 If Bank Guarantee is submitted towards 'Bid Security', then bidders have to ensure that the Bank Guarantee issuing bank indicate the name and detailed address (including e-mail) of their higher office from where confirmation towards genuineness of the Bank Guarantee can be obtained.

NOTE:

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

Yours Faithfully

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

Tender No & Date: SDI1057P17 Dt. 10.05.2016**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 of Indigenous 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>The bid shall conform generally to the specifications, 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>A) COMMERCIAL:</p> <p>i) Validity of the bid shall be minimum 90 days from the Bid Closing Date.</p> <p>ii) Bid security: The bid must be accompanied by Bid Security of Rs 36500.00 in OIL's prescribed format as Bank Guarantee or a Cashier's cheque or Demand Draft 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 6 months from Bid closing date. (i.e. upto 04.02.2017). Cashier's cheque or Demand Draft shall be valid for minimum 90 days or as per RBI's guidelines, drawn on “Oil India Limited” and payable at Duliajan, Assam</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 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.</u></p>	

For exemption for submission of Bid Security, please refer Clause No. 8.16 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement of Indigenous 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.

iii) Bids are invited under “Single Stage Composite Bid System”. Bidders have to submit both the “Techno-commercial Unpriced Bids” and “Priced Bids” 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 is to be submitted as per scope of works and Technical specification of the tender and the priced bid as per the online Commercial bid format. For details of submission procedure, please refer relevant para of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.

iv) Performance Security:

The successful bidder shall submit Performance Security @ 10% of PO value within 30 days of receipt of the formal purchase order failing which OIL reserves the right to cancel the order and forfeit the Bid Security. Bidders should undertake in their bids to submit Performance Security as stated above.

The Performance Security shall be in any one of the following forms :

(a) A Bank Guarantee in the prescribed OIL’s format valid for 3(three) months beyond the Warranty period indicated in the Purchase Order /contract agreement.

(b) A Cashier's cheque or Demand Draft with validity of minimum 90 days or as per RBI’s guidelines, drawn on “Oil India Limited” and payable at Duliajan, Assam.

The Performance Security for capital nature items like plant and machinery etc. shall be valid for 12 months from the date of commissioning plus 3(three) months or 18 months from the date of shipment/despatch plus 3(three) months whichever concludes earlier. However, for consumables like chemicals, cement, tubular etc. the Performance Security shall be valid for 12 months from the date of shipment/despatch plus 3(three) months.

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.

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 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.

viii) Price should be maintained in the “online price schedule” only. The price submitted other than the “online price schedule” shall not be considered.

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

(a) Validity of bid shorter than the validity indicated in the Tender.

(b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.

(c) Bid Security with (i) Validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.

(d) Annual Turnover of a bidder lower than the Annual turnover mentioned in the Tender.

x) Material(panel) under item-10 should be delivered within 6 months from the receipt of order from OIL. Installation, Testing and Commissioning of panel under item-20 should be within 2 month from the receipt of work clearance from OIL.

2.0 BID EVALUATION CRITERIA (BEC)

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.

A) TECHNICAL:

i) The bids will be evaluated as per NIT specifications.

B) COMMERCIAL:

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.

ii) A job executed by a bidder for its own organization / subsidiary cannot

<p>be considered as experience for the purpose of meeting BEC.</p> <p>iii) 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 terms and conditions of NIT.

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TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No & Date: SDI1057P17 Dt. 10.05.2016

	Complied / Not Complied. (Remarks if any)
<p>ITEM NO. 10: LT PANEL, (QNTY. – 1 NO.)</p> <p>SPECIFICATION OF L.T. DISTRIBUTION PANEL OF R&D SUSBATION:</p> <p>1. SCOPE: This specification covers: (A) Design, manufacture, assembly and testing at manufacturer's works, supply and delivery of L.T.(MCCB) Panel boards with all accessories required for complete installation. (B) Buyback of the old existing panel- wherein successful bidder shall take out the old LT Panel after successful completion of the new LT Panel.Details of old existing panel is given at the last of the PR.</p> <p>2. STANDARDS: . IS 5: 2007 Colours for Ready Mixed Paints and Enamels . IS 8623: Part 1: 1993 /IEC Pub 439-1: 1985 Specification for Low-Voltage Switchgear and Controlgear Assemblies . IS 13947: Part 5: 1993 /IEC Pub 947-5-1: 1990 Specification for Low-Voltage Switchgear and Controlgear - Part 5: Control Circuit Devices and Switching Elements . IS 13703 : 1993/IEC 269: 1986 LV Fuses for voltages not exceeding 1000 V ac or 1500 V dc . IS 13947: Part 1: 1993 //IEC Pub 947-1 : 1988 Specification for Low-voltage Switchgear and Controlgear - Part 1 : General Rules . IS 5082: 1998 (reaffirmed 2004) Wrought aluminium and aluminium alloy bars, rods, tubes and sections for electrical purposes . IS 3043: 1987 (reaffirmed 2006) Code of practice for earthing . IS 12063: 1987 (reaffirmed 2009) Classification of degrees of protection provided by enclosures of electrical equipment . IS 8623: Part 1: 1993 /IEC Pub 439-1 : 1985 Specification for Low-Voltage Switchgear and Controlgear Assemblies - Part 1 : Requirements for Type-Tested and Partially Type-Tested Assemblies</p> <p>3. GENERAL DESIGN OF SWITCH BOARD CUBICLE: 3.1 The L.T. Panel board cubicle shall be of metal clad, totally enclosed, sheet steel cubicle, indoor floor mounting, and freestanding type, suitable for operation from front side. It shall be completely dust-tight, weather & vermin proof and highly corrosion-resistive. 3.2 The Panel Board shall be built on an integral base channel of ISMC 75 x 40 section. The frame of the Board shall be sufficiently strong and made of minimum 2.0mm CRCA ms sheets. Intermediate members of suitable section and size shall be provided. 3.3 The panel doors shall have door latches suitable for latching in one turn only. Lifting hooks shall be provided. 3.4 Neoprene rubber gasket shall be provided between adjoining surfaces of the doors and enclosures to make the switchboard dust-tight and vermin proof. The panel will be suitable for IP-54 degree of protection.</p>	

3.5 All MCCB Operating handles shall be accessible for operation without opening the Panel door

3.6 Adequate insulated barriers between the bus chambers, feeder shall be provided to achieve Form-2 Separation as per IEC 439-1.

3.6.1. Bus chamber, and other live bus shall be covered with 2.0 mm CRCA metallic sheet of FRP sheet of suitable thickness bolted type cover and danger plate shall be fitted on the front side of the cover.

3.7 All connection links between bus bar and MCCB & brought out links from MCCB shall be made with rectangular section of Aluminum conforming to IS. Current rating of links shall be minimum 1.2 times (rating for unassembled sections) the switch rating.

3.8 Control wiring shall be done with 1.5 sq. mm PVC insulated, flexible copper cable of 1100V grade for potential circuits. Control wires should have ferrule numbers. CT wiring should be done with 2.5sq. mm PVC insulated, flexible copper cable of 1100V grade. ISI approved Cables shall be used for control & CT wiring. Suitable lugs shall be used for control wiring should be terminated on suitable TBs. Control fuses shall be NS type of Siemens/Bussman.

3.9 Wiring cables from panel to door shall be protected with heavy duty PVC spiral binding.

3.10 Sufficient space should be provided for proper glanding, dressing, connecting up and maintenance of cables. Adequate space should be provided for connecting the cable leads to the brought out terminals.

3.11 Suitable cable supporting arrangement shall be provided inside the cable alley to firmly grip the cables connected to the brought terminals of the outgoing feeders.

3.12 All hinged doors shall be earthed with copper flexible loops/braids as per IS-3043.

3.13 Bus chamber, others sheet metal parts to be made of 2.0 mm CRCA sheets and built upon suitably sized frame work.

3.14 Bus chamber, and other live bus shall be covered with 2.0 mm CRCA metallic sheet of FRP sheet of suitable thickness bolted type cover and danger plate shall be fitted on the front side of the cover.

3.15 Danger Plate shall be fitted on both sides of panel.

3.16 The entire framework & the sheet-work shall be given nine tanks anti-rust treatment as per IS and then powder coated (Min 60 Micron) in Light Grey colour (shade 631 as per IS:5).

3.17 A 50x6mm GI strip should be provided with adequate holes (13mm dia each) with nut, bolts and washers for making earth connections for all cables. Length of GI strip shall be same as panel length.

3.18 All the hardware should be of high tensile steel duly zinc passivated for corrosion protection & fitted with proper sized heavy duty spring washer & two nos. heavy duty flat washers.

3.19 All hardware should be of high tensile steel & Galvanised/ Zinc passivated. Size of spring washers & flat washers should be as per relevant IS for individual bolt.

3.20 All feeders shall have engraved designation nameplates. Details of Feeder designation shall be provided by OIL at the time of approval of drawing.

3.21 Panel length shall be limited to 4.0 mtr. Height shall be suitable for operation of feeders as per IS.

4. BUS CHAMBER

4.1 Sheet steel clad Bus Chamber having front and rear bolted covers with a set of TP&N, Aluminum bus bar of rectangular section, conforming to IS-5082 & rated for 1200 Amps (rating for unassembled sections) for individual phases and supported at required intervals to withstand max. symmetrical short circuit fault levels of 50 kA.

4.2 The bus bars shall be insulated with color coded heat shrink PVC sleeve and supported on FRP/SMC supports. Neutral bar rating shall be rated same as the phase bus rating.

4.3 Sufficient clearance shall be maintained in the bus chamber for proper cooling of the bus bar. Bus bar should be extensible type to facilitate future extensions.

5. FEEDER:

5.1 Incoming Feeder with associated instruments.

5.2. 02 (Two) Nos. Air Circuit Breaker Incomer as incomer having following specifications:

5.2.1. Motor operated spring charging, 1000 Amps, $I_{cu}=I_{cs}=I_{cw}=50kA$ for 1 sec. or above breaking capacity, 415(Ue), 600V(Ui), Four Pole, Electrically and mechanically Operated, Drawout Air-Circuit Breaker fitted with in-built microprocessor based relay and protection CT of Accuracy class 5P 10, relay shall have the following protections a) overload b) short-circuit c) earth fault with distinct fault indications and adjustable current, time settings with off-load setting facility at no power.

5.2.2. The size of the detachable gland shall be suitable for fixing three nos. of cable glands. Brought out Phase & Neutral links of aluminum in rectangular sections with hole and zinc passivated nuts, bolts with flat and spring washers for connection shall be provided for cable termination (3 nos. of 3.5 x 240 sq mm PVCA cables for incoming supply).

The links shall be supported on non-hygroscopic insulating bars of FRP/DMC based materials and shall be of suitable size for cable termination. The vertical distance between the center of connection hole in the links for cable connection and the bottom gland plate shall be minimum 450 mm. The Neutral link rating should not be less than 75% of the phase bar rating.

5.2.3. Air circuit Breaker Make:

Schneider Electric (Merlin Gerin), Siemens India, GE India, ABB india, Legrand, Model DMX3-N with electronic release or L&T: Air Circuit Breaker

5.2.4. Digital Multifunction Meter:

Panel mounted IS approved Three Phase, 4-wire Digital Multifunction Meter (V+I+Hz+Max Demand+KW+KWH+Pf), with RS-485, 96x96mm size, Accuracy 1.0%

Make of Meters: Schneider Power logic PM200 series, HPL-Socomec (Diris A40), Siemens PAC3200

3 Nos. IS approved wire-wound, metering class CTs. CTR-1000/5 (Kappa/AE make). Accuracy class 1.

5.2.5, Indicating Lamps to indicate Supply ON for all Phases. Colour Red/Yellow/Blue and Circuit Breaker OFF/ON/TRIP. Colour Green/Red/Amber. All indicating lamps shall be LED type. Make: Teknic, L&T, Siemens, Binoy.

1 No. Trip-Neutral-Close Selector Switch with spring return to Neutral for Circuit Breaker Operation. Make: Kaycee/Salzer-L&T.

32 Amps Moulded Fuse Holders with HRC Fuses (NS type)# as required for control and instrument circuit protection. Make GE/Siemens/Bussman.

5.3. Outgoing Feeders & Instruments – as per the following details:

5.3.1. 2 (Two) Nos. of 630 Amps MCCB Feeder

Each Feeder with one no. 630 Amps. 415V(Ue), 600(Ui), 36kA Breaking Capacity, Four Pole, MCCB fitted with inbuilt Protections CT and microprocessor based, overload, short-circuit, earth fault releases with adjustable settings for current and time and with Rotary Handle operating mechanism. Single compression cable glands on a detachable gland plate suitable for two nos. 3.5 x 240 sq. mm PVCA Aluminum outgoing cables shall be provided. All incoming and outgoing terminals of MCCB shall be fitted with spreader links supplied by MCCB manufacturer. Brought out Phase & Neutral links of aluminum in rectangular sections with hole and zinc passivated nut bolts with flat and spring washers for connection shall be provided inside the cable box. The links shall be supported on non-hygroscopic insulating bars of FRP/DMC based materials. The Neutral link rating should not be less than 50% of the phase bar rating.

5.3.2. Spare MCCB for above feeder, same make and rating(600A):1 no.

Make and Type of MCCB: see note at the end of outgoing Feeders

Panel mounted IS/IEC approved Three Phase Digital Ammeter, 0-600 Amps, 96x96mm size with phase selector button and 3 Nos. IS approved wire-wound, metering class CTs. CTR-600/5 (Kappa/AE make). Accuracy class. 1. Control supply of ammeter operation shall be tapped from the brought out links on outgoing side of MCCB and shall have HRC fuse and neutral links for protection.

Make of Meter: Schneider Power logic PM200 series, HPL–Socomec (Diris A40), Siemens PAC3200

5.3.3. 4 (Four) Nos. of 400 Amps MCCB Feeder

Each Feeder with one no. 400 Amps. 415V(Ue), 600(Ui), 36kA Breaking Capacity, Four Pole, MCCB fitted with inbuilt protections CT and microprocessor based, overload, short-circuit, earth fault releases with adjustable settings for current and time and with Rotary Handle operating mechanism. Single compression cable glands on a detachable gland plate suitable for two nos. 3.5 x 240 sq. mm PVCA Aluminum outgoing cables shall be provided. All incoming and outgoing terminals of MCCB shall be fitted with spreader links supplied by MCCB manufacturer. Brought out Phase & Neutral links of aluminum in rectangular sections with hole and zinc passivated nut bolts with flat and spring washers for connection shall be provided inside the cable box. The links shall be supported on non-hygroscopic insulating bars of FRP/DMC based materials. The Neutral link rating should not be less than 75% of the phase bar rating.

3.3.4. Spare MCCB for above feeder, same make and rating(400A):2 nos.

Make and Type of MCCB: see note at the end of outgoing Feeders

Panel mounted IS/IEC approved Three Phase Digital Ammeter, 0-300 Amps, 96x96mm size with phase selector button and 3 Nos. IS approved wire-wound, metering class CTs. CTR-300/5 (Kappa/AE make). Accuracy class. 1. Control supply of ammeter operation shall be tapped from the brought out links on outgoing side of MCCB and shall have HRC fuse and neutral links for protection.

Make of Meter: Schneider Power logic PM200 series, HPL–Socomec (Diris A40), Siemens PAC3200

Make of MCCB: for 400A & 250A with micro-processor / electronic type releases.

5.3.5. 2(Two) Nos. of 250 Amps MCCB Feeder.

Each Feeder with one no. 250 Amps, 415(Ue), 600V(Ui), 36kA Breaking Capacity, Four Pole, MCCB fitted with inbuilt protection CT's and microprocessor based, overload, short-circuit, earth fault releases with adjustable settings for current and with Rotary Handle operating mechanism. Single compression cable glands on a detachable gland plate suitable for one no. 3.5x240sq.mm PVCA Aluminum outgoing cable shall be provided. All incoming and outgoing terminals of MCCB shall be fitted with spreader links supplied by MCCB manufacturer. Brought out Phase & Neutral links of aluminum in rectangular sections with hole and zinc passivated nut bolts with flat and spring washers for connection shall be provided inside the cable box. The links shall be supported on non-hygroscopic insulating bars of FRP/DMC based materials. The Neutral link rating should not be less than 75% of the phase bar rating.

5.3.6. Spare MCCB for above feeder, same make and rating(200A):1 no.

Panel mounted IS/IEC approved Three Phase Digital Ammeter, 0-300 Amps, 96x96mm size with phase selector button and 3 Nos. IS approved wire-wound, metering class CTs. CTR-300/5 (Kappa/AE make). Accuracy class. 1. Control supply of ammeter operation shall be tapped from the brought out links on outgoing side of MCCB and shall have HRC fuse and neutral links for protection.

5.3.4. Make of Meter: Schneider Power logic PM200 series, HPL–Socomec (Diris A40), Siemens PAC3200

Make of MCCB: for 630A,400A & 250A with micro-processor / electronic type releases

i. Siemens India Ltd: Sentron VL MCCB, model VL standard with electronic release and

microprocessor based ETU with LCD display , ETU 40/42-LSIG/LSING.

ii. Legrand: Model- DPX / DPX3 with electronic releases.

iii. GE India: Record Plus, FG with electronic trip unit SMR2.

iv. Schneider Electric (Merlin Gerin): model compact NSX with electronic trip unit with micro logic-5.0/6.0/7.0A.

v ABB –Tmax Series, model-TP5 electronic release PR 332/PR 333 or PR 122/ PR 123 PLSIG.

6.0 GENERAL NOTES FOR LT BOARD:

The following documents are required to be submitted with the offer.

6.1 Documentary evidence that the bidder had designed, engineered, manufactured, tested and supplied in the 5 (five) years, at least one set of switchboard/PCC/PMCC panel (with air circuit breaker) rated minimum 415 VAC, 1000 Amps, 50 kA for 1 second.

6.2 Documentary evidence that the same switchboard/PCC/PMCC panel as in (6.1) above must have been operating successfully for at least a period of one year as on bid due date. Copy of Purchase order, completion certificate, certificate of satisfactory operation etc. shall be submitted in this regard.

6.3 Offered design switchboard/PCC/ panel with circuit breaker must have been type tested as per IS: 8623 (with latest amendments) by a test house/laboratory accredited by National Accreditation Board for testing and calibration Laboratories (NABL), India. Bidder to submit following type test certificate for offered type of switchboard/PCC/PMCC panel with circuit breaker and copy of the same shall be submitted with the offer.

a. Short time current withstand test

b. Temperature rise set

c. Degree of Protection IP-54 or higher

6.4 General arrangement drawing and schematic of the panel.

(a) Quality Management Certification ISO: 9001 – 2008 version for Design, manufacture, installation and servicing of medium voltage Electrical control and distribution panels.

(b) Documentary evidence that the bidder has minimum nine tanks anti rust metal pre-treatment system and powder coating facility for treatment and painting of sheet metal works for durability. Tank sequence: degreasing, water rinse, de-rusting, water rinse, water rinse, activation, phosphating, water rinse, passivation.

6.5 Detailed foundation drawing, drawing of board showing termination details, wiring diagram and complete bill of material must be submitted to OIL for approval within 30 days after placement of the order. The manufacturing of board shall be started only after approval of the drawings by OIL. In case of an order on the party complete tender specs and the deviations accepted by OIL in writing shall only be mentioned in the Order.

6.6 OIL's Purchase Order No. and date shall be written on panel.

6.7 Works Test Certificate for routine tests as per IS-8623, 12063 (with calibrated testing equipment) and wiring diagrams should be provided along with the Equipment. Manufacturer's Routine Test certificate of incomer breakers is also to be furnished.

6.8 Four spiral bound sets of the following documents, drawings and literatures are to be supplied with the Board:

(i) General arrangement, foundation, schematic diagram and wiring diagrams.

(ii) Works Test report containing result of tests done at factory during inspection.

(iii) Guarantee Certificate.

(iv) Air-circuit Breaker Routine Test Certificate at C. B. manufacturer's Works.

(v) Operation Manual of Air-Circuit Breakers.

(vi) Technical Catalogue of Moulded Case Circuit Breakers and Digital Meters.

(vii) Bill of Materials with Part Description and details.

6.9 A checklist for documents to be submitted with the bid is attached for ready reference. Bidder has to fill up the same and attach it with the bid with all required documents, as in the

order of the checklist.	
<p>ITEM NO. 20: INST. TEST. COMM. OF ITEM-10, (QNTY. – 1 AU)</p> <p>INSTALLATION, TESTING, COMMISSIONING OF NEW PANEL AND DISMANTLING & COLLECTION OF OLD PANEL UNDER BUY BACK SCHEME:</p> <ol style="list-style-type: none"> 1. Installation, Testing and Commissioning of new panel inside substation to be done by bidder as per OIL direction and supervision. 2. Necessary required materials to carry out above point no.1 is be provided by bidder. 3. Earthing including materials supply to be provided by bidder. 4. Testing of panel by bidder in presence of OIL 's engineer. 5. Cable and it connection to new panel from transformer LV side will be done by OIL. 6. Shiting of load from existing panel to new panel will be done by OIL. 7. All documents(manual, drawing, testing report) of panel to be provided by bidder to OIL. 8. Dismantling and collection of old panel to be carried by bidder after reciept the clearence from OIL's engineer. 	

SPECIAL TERMS & CONDITONS

- 1) Offer shall be complete in all respect to meet the technical specifications as per NIT. The bidder shall be panel manufacturer or authorized dealer of manufacturer of LT Panel. In case of authorized dealer, valid dealership certificate must be submit along with bid
- 2) The bidder must quote for both (a) (i) supply of LT Panel Board (ii) Testing & commissioning (b) Buyback of the existing LT panel without which the offer will be rejected.
- 3) The Bidder shall have experience of supply, installation, testing and commissioning of minimum 1 set of minimum value of Rs. 7,87,7500 of LT switchgear Panel with ACB in any Central Govt/ State Govt/ PSU durring last five year as on bid closing date.
- 4) The manufacturer shall have designed, engineered, manufactured, tested and supplied in the last five years at least one set of LT Panel Board having 4 pole, 415 V ACB with outgoing MCCB and also must have proven track record for operating satisfactorily at least a period of one year as on bid closing date.
- 5) The offered of the panel, must have been type tested as per IS-14786/Relevant IEC. The bidder shall have above type test certificate for offered panel.
- 6) The bidder shall submit documentary evidence in support of their offer like purchase order/ works order with detailed scope of work and completion certificate / performance certificate and type test certificate along with the bid for 3, 4 and 5 of above.
- 7). Bidder should fill attached check list and submit along with the offer.
- 8) Quotation along with the offered of panel schemetic single line diagram, panel dimension details, MCCB's test certificates, literatures, bus bar type, rating etc. shall be submitted for evaluation.

9) Material shall be guaranteed for minimum one year period from the date of commissioning. Duly stamped Guarantee certificate should be supplied after commissioning the panel.

10) The bidder shall be panel manufacturer or authorized dealer of panel manufacturer. In case of authorized dealer, valid dealership/authorisation certificate must be submit along with offer.

11) The bidder must quote for both

(a) supply, testing & commissioning of new panel at R&D sub Substation of OIL.

(b) Buyback of the old existing panel from R & D substation of OIL. The panel will be procured against buyback of old panel.Detail of old panel is mentioned in annexure-I in item description of NIT. Dismantling of old panel and collection is the scope of bidder.

12) Offer only for new panel without buyback offer of old panel will not be considered and will be rejected. Offer of new panel should be as per our NIT specification.

13) Offer will be evaluated after deducting the offered price of old panel from the price of new panel. The bidder should quote separately for new panel and the buyback value of old panel which they have to buy back.

14). The bidder shall have proven track record of minimum 1No. same type of panel operating satisfactorily at least for a period of one year as on bid due date.

15). Material(panel) should be packed properly to avoid transits damage.

16). Bidder should inform OIL for inspection as per relevant standards before it dispatch from main workshop.

17). Bidder should fill attached checklist and submit along with the offer. Offer without the same shall not considered for evaluation.

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

ANNEXURE-1

Details of old CFS Board:

CFS board, make: Eswaran & son

Bus bar capacity: 1500Amp.

1. Circuit breaker, make: Eswaran & son

Type - "OMA-8" ,415 V/800A,

50 Hz: 1no.

2. 600A Switch fuse unit, Make: Eswaran & son: 1 no.

3. 400A Switch fuse unit, Make: Eswaran & son: 1 no.

4. 300A Switch fuse unit, Make: Eswaran & son: 3 nos.

5. 200A Switch fuse unit, Make: Eswaran & son: 2 nos.

6. 100A Switch fuse unit, Make: Eswaran & son: 2 nos.

7. 60A Switch fuse unit, Make: Eswaran & son: 2 nos.

CHECK LIST

Sl. No.	NIT Clause	Comply or Not Comply with reason	Supporting documents with page no/sheet in the offer.
1	Special note no.1 under header note of NIT for submission of technical literature/etc		
2	Special note no.3 under header note of NIT for submission of valid dealership certificate in case of dealer		
3	Special note no.4 under header note of NIT for submission of offer under buyback scheme		
4	Special note no.8 & 9 of NIT under header note as an experience in similar work		
5	Note. No.1 to 9 under special terms and condition of NIT		
6	Agree for inspection of panel at mainworkshop and carry out all tests as per relevant standards.		
7	All sub clauses of main clause no.2 under item description of NIT for testing of panels as per standards		
8	All sub clauses no. 3.1 to 3.21 of main clause no.3 under item description of NIT for general design of switchgear panel		
9	All sub clauses no. 4.1 to 4.3 of main clause no.4 under item description of NIT for bus chamber of switchgear panel		
10	All sub clauses no. 5.1 to 5.3 of main clause no.5 under item description of NIT for feeders of switchgear panel		
11	All sub clauses of main clause no.6 under item description of NIT for other general notes of switchgear panel		
12	Offered new LT switchgear panel is as per existing LT panel as per annexure-I under item description of NIT		

PRICE SCHEDULE

(No price Condition)

Material Value of the Panel	
Packing & Forwarding	
Excise Duty	
CST/VAT	
Freight	
Insurance	
Installation & Commissioning	
Service Tax for INC	
Any other Cost	

Total FOR DJN Value:

Buy back of Old Panel:

Total Value after Buy Back:

Technical Bid Checklist**Annexure-EEE**

Tender No.			
Bidder's Name :			
BEC / TENDER REQUIREMENTS		Compliance by Bidder	
SL. NO.		Indicate 'Confirmed' / 'Not Confirmed' / Not applicable	Indicate Corresponding page ref. of unpriced bid or Comments
1	Confirm that validity has been offered as per NIT.		
2	Confirm that Bid Security / Earnest Money has been submitted as per NIT (Wherever Applicable) ?		
3	Confirm that you shall submit Performance security (in the event of placement of order) (Wherever Applicable) ?		
4	Confirm that duly signed Integrity Pact has been submitted as per NIT (Wherever Applicable) ?		
5	Confirm that you have submitted documentary evidence of successfully executing one Purchase order as stipulated in NIT in any of the preceding 5 financial years (*)		
6	Confirm that you have submitted Balance Sheet and Profit and Loss Account of any of the preceding 3 financial years certified by a chartered accountant.		
7	Confirm that the bid has been signed using Class 3 digital certificate with Organisation's Name as per NIT.		
8	Confirm that you have not taken any exception/deviations to the NIT .		

NOTE: Please fill up the greyed cells only.

(*) Purchase Orders along with copies of any of the documents in respect of satisfactory execution of the Purchase Orders should be submitted – (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 the purchase order cited above.

Response Sheet**Annexure-FFF**

Tender No.
Bidders Name

Bidders Response Sheet

SI No.	Description	Remarks
1	Place of Despatch	
2	Whether Freight charges have been included in your quoted prices	
3	Whether Insurance charges have been included in your quoted prices	
4	Make of quoted Product	
5	Offered Validity of Bid as per NIT	
6	Bid Security Submitted (if applicable)	
6	Details of Bid Security Submitted to OIL (if applicable)	
	a) Bid Security Amount (In Rs):	
	b) Bid Security Valid upto:	
7	Whether you shall submit Performance Security in the event of placement of order on you (if applicable)	
8	Integrity Pact Submitted (if applicable)	
9	Whether you have submitted documentary evidence of successfully executing one Purchase order as stipulated in NIT in any of the preceding 5 financial years (*)	
10	Whether you have submitted Balance Sheet and Profit and Loss Account of any of the preceding 3 financial years certified by a chartered accountant.	
11	Delivery Period in weeks from placement of order	
12	Complied to Payment terms of NIT (if applicable) otherwise to Standard Payment Terms of OIL or not.	
13	If bidder is MSE whether you have quoted your own product	
14	If Bid security submitted as Bank Guarantee, Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager	

NOTE: Please fill up the greyed cells only.

(*) Purchase Orders along with copies of any of the documents in respect of satisfactory execution of the Purchase Orders should be submitted – (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

**(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.