

OIL INDIA LIMITED

(A Government of India Enterprise)

P.O. Duliajan-786602, Assam, India

E-mail: material@oilindia.in**INVITATION FOR BID**
NATIONAL COMPETITIVE BID

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

E-Tender No.	Bid Closing / Opening Date	Item
SDI6041P18	07.12.2017	FABRICATION, SUPPLY, INSTALLATION, COMMISSIONING & TRAINING OF DCP FIRE TENDER – QTY = 01 NO
SDI6042P18	30.11.2017	TEST SIMULATION SERVER FOR E&P DATA BANK - QTY = 02 NOS
SDI5995P18	30.11.2017	LT PANEL QTY = 03NOS
SDI5647P18	30.11.2017	PRINTER QTY = 85 NOS
SDI6045P18	30.11.2017	SCANNER QTY = 32 NOS
SDI6046P18	30.11.2017	PRINTER QTY = 14 NOS
SDI5799P18	30.11.2017	STEAM CLEANER & H.P WASHER QTY = 13 NOS
SSI6049P18	30.11.2017	CABLES QTY=3000 MTRS.
SDI5389P18	30.11.2017	MASTIC COATING QTY=1,500 M2
SDI6059P18	30.11.2017	DENTAL CHAIR AND CABINET QTY = 01 NO
SDI6060P18	07.12.2017	BACKUP SERVER QTY = 01 NO

Tender fee (Non-refundable): Rs 1,000.00 (to be paid online only); 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: ranjan_barman@oilindia.in ; erp_mm@oilindia.in

FORWARDING LETTER

Tender No. : SDI5995P18 dated 11.10.2017

Tender Fee : Rs. 1,000.00

Bid Security Amount : Applicable

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 **Procurement of LT Panel (Qty. – 03 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) 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) **OIL Bank Details :**

	Bank Details of Beneficiary	
a	Bank Name	STAE BANK OF INDIA
b	Branch Name	Duliajan
c	Branch Address	Duliajan, Dist-Dibrugarh
d	Banker Account No.	10494832599
e	Type of Account	Current Account
f	IFSC Code	SBIN0002053
g	MICR Code	786002302
h	SWIFT Code	SBININBB479
i	Contact No.	9435554859
j	Contact Person Name	Mr. K.L.K.Banik, AGM
k	Fax No.	0374-2802729
l	Email Id	sbi.02053@sbi.co.in

- d) “General Terms & Conditions” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.
- e) Technical specifications and Quantity as per **Annexure – 1A**.
- f) The prescribed Bid Forms for submission of bids are available in the Technical RFx-> External Area - > Tender Documents.
- g) 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.
- h) 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).
- i) 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 Attachment**. For details please refer “Vendor User Manual” / “NEW INSTRUCTIONS”

Special Notes:

1.0 Vendors having OIL's User ID & password to 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).

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).

2.0 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.

2.1 Please ensure that Technical Bid / all technical related documents related to the tender are uploaded in the Technical RFx Response-> Technical Attachment only. **For details please refer "NEW INSTRUCTIONS"**

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 **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.

4.0 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.

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 of Indigenous 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.

11.0 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.

12.0 Bidders are requested to refer to the enclosed **Annexure – BBB** for the Taxes and Duties clauses under GST regime.

13.0 While submitting the offers bidders are requested to refer to the enclosed **Annexure – BB (Price Bid Format and Evaluation Criteria)**.

14.0 Delivery/collection Instructions in cases where transportation is in OIL's scope:

(i) The suppliers shall be required to deliver the Sundry consignments of weight less than 3 (Three) Tons at the godown/office/collection point of OIL's authorized transporter in various cities.

(ii) Consignments weighing more than 3(Three) Tons shall be collected from the supplier's premises/loading points by OIL's authorized transporter.

(iii) The names of OIL's current authorized transporters are:

- a) M/s Western Carriers (India) Ltd.
- b) M/s DARCL Logistics Limited

Bidder's are requested to note the above delivery/collection instructions while submitting their offers.

Please do refer "**NEW INSTRUCTION TO BIDDER FOR SUBMISSION**" for the above two points and also please refer " **New Vendor Manual (effective 12.04.2017)** " available in the login Page of the OIL's E-tender Portal.



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 Competability 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](#)

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-

**(RANJAN BARMAN)
CMM (IP)
FOR DGM-MATERIALS**

Tender No & Date: SDI5995P18 dated 11.10.2017**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) TECHNICAL:</p> <p>Bidder should have the experience of successfully executing at least 1(one) similar order for LT Panel amounting to Rs. 7.32 Lakhs in preceding 5(five) years as on the original Bid Closing Date.</p> <p>"Similar order" is defined as experience in designing, manufacturing, testing, supply, installation and commissioning of 415 V MCC/PMCC panels with ACB/MCCB (air circuit breaker/moulded case circuit breaker) in any Central Govt. /Govt. PSU/Public Limited Companies.</p> <p>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 –</p> <ul style="list-style-type: none"> (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Received Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax Invoices issued under relevant rules of Central Excise / VAT/GST (OR) (v) any other documentary evidence that can substantiate the satisfactory execution of each of the purchase orders cited above. 	

B) FINANCIAL

a) Annual Financial Turnover of the bidder during **any of preceding 03 (three) financial / accounting years from the original bid closing date** should be at least **Rs. 7.32 Lakhs**.

b) Net Worth of the firm should be **Positive** for preceding financial / Accounting year. (FY=2016-2017)

Note -For (a) & (b): 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-J**.

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:

i) Validity of the bid shall be minimum 90 days from the Bid Closing Date.

ii) **Bid security:**

The bid must be accompanied by Bid Security of **Rs. 29,300.00** in OIL's prescribed format as Bank Guarantee in favour of OIL. The Bid Security may be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing 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. **The Bank Guarantee towards Bid Security shall be**

valid for 6 months from Bid closing date. (i.e. upto 31.05.2018).

Bid Security may also be paid online on or before the Bid Closing Date and Time mentioned in the Tender.

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.

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 the following form :

(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.

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.

Delivery: Allowable delivery period shall be 09 (Nine) months after receipt of Purchase Order.

NOTE: FOR CLAUSE NOS. C(ii) & C(iv) OF BID SECURITY/EMD AND PBG.

The bidders/successful bidders are requested to advise the Bank Guarantee issuing bank to comply with the following and ensure to submit, the receipt of the copy of SFMS message as sent by the issuing bank branch, along with the original bank guarantee in Oil's tender issuing office:

The bank guarantee issued by the bank must be routed through SFMS platform as per following details:

(i) "MT 760 / MT 760 COV for issuance of bank guarantee.

(ii) "MT 760 / 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, Duliajan Branch, IFS Code - UTIB0001129, Branch Address - AXIS Bank Ltd, Duliajan Branch, Daily Bazar, Jyotinagar, Duliajan, District - Dibrugarh, PIN- 786602

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 bid will be evaluated strictly as per NIT specification, terms & conditions.

B) COMMERCIAL:

i) To evaluate the inter-se-ranking of the offers, all Taxes / Levies will be considered as per prevailing Govt. guidelines as applicable on the bid opening date. Bidders may check this with the appropriate authority before submitting their offer.

ii) A job executed by a bidder for its own organization / subsidiary cannot be considered as experience for the purpose of meeting BEC.

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.

NOTE:

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

-----XXXX-----

TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No & Date: SDI5995P18 DT: 11.10.2017

	Complied / Not Complied. (Remarks if any)
<p><u>Item No. 10: 02 Nos.</u></p> <p>A. Scope of work: This specification covers Design, fabrication and supply of 02 nos., 415 V AC, 50HZ indoor type panel with MCCBs as incomer and MCCBs as outgoing feeders, skid mounted ready for operation on being installed in a fixed position. The Panels shall be placed on a suitable RCC foundation to take the load of Panel.</p> <p>B. Standards: All components used in the manufacture of the Panels shall confirm to the relevant IEC/BIS standard specification and especially to the followings:</p> <p>i. IS:13947-1993/IEC:60947 General arrangement for switchgear and control gear for voltage not exceeding 1000 V</p> <p>ii. IS: 12063-1987/IEC:60529 Degrees of Protection provided by enclosures of electrical Equipments.</p> <p>iii. IS: 5/2004 Colour for ready mixed paints and enamel.</p> <p>iv. IS: 732/1989 Code of Practice for Electrical Wiring Installations.</p> <p>v. IS: 5039/1983 Distribution pillars for voltage not exceeding 1000 V.</p> <p>vi. IS/IEC: 127-1994 Miniature Fuses- Fuse Holders for Miniature Cartridge Fuse Links - Specification.</p> <p>vii. IS:2551-1982 Danger Notice Plates.</p> <p>viii. IEC:60664 Insulation co-ordination within low voltage system including clearance creepage distances for equipment.</p> <p>C. General Description of the Panel</p> <p>a) Panel shall be self-supporting, Indoor Type, dust, vermin/rodent proof, suitable for placing on a RCC foundation. Any left holes/cable entries shall be blocked by using detachable metallic sheets to prevent entry of rodent/reptiles.</p> <p>b) The structure of Panel shall be made with 2mm thick CRCA sheet and (75x40x6) mm base channel as required.</p> <p>c) Heavy duty Lifting hooks (4 No's heavy duty lifting hooks) shall be provided for lifting of Panel.</p> <p>d) The door shall be in parts and shall have locking arrangement with special type Knob type key. Danger Plate fitted on both sides.</p> <p>e) For cooling of the component louver arrangement shall be made in the Panel.</p> <p>f) Panel shall have a heavy duty base framework. The frame design shall be such that the height between bottom cable entry plate and the connection hole of brought out link of incoming, outgoing MCCBs shall be minimum 450mm.</p> <p>g) The entire sheet-work shall be given minimum nine tank anti-rust treatment as per IS and then powder coated (min 50 micron thick) in light grey shade no 631 as per IS:631.</p>	

- h) The design should be as per IS-8623, 13947, 13703, 4237 and IEC-61439 and suitable for ambient-40°C (Max)/ 5°C (Min), humidity-95% (Max). All components used must be suitable for the environment as mentioned.
- i) All hardware's should be of high tensile steel & Zinc passivated. Size of spring washers & flat washers should be as per relevant IS for individual bolt.
- j) All the components shall be mounted on separate steel plate with necessary stiffeners or suitable channels so that all the components can be checked and replaced from front side after opening the door.
- k) All items will be labelled using riveted engraved metallic or mica labels.
- l) All incoming and outgoing cables shall enter the enclosure from bottom side. Bottom plate shall have individual detachable gland plates for all cables. These detachable plates shall be accessible and removable from inside. All cable entry plates shall have knockouts.
- m) A 50 x 6 mm GI strip should be provided on the backside of the panel with adequate holes (13mm dia each) with nuts, bolts and washers for making earth connections for all panels and cables. Length of the GI strip shall be same as panel length. Zinc pated and passivated double earthing studs with nuts, bolts and washers shall be provided on the earthing strips.
- n) Danger plates (415 VAC) shall be fixed on both front and rear of the panel including the bus-bar chambers.

D. Detailed Description of the Panels

- a) All connection links between bus-bar and MCCBs & brought out links shall be made with rectangular sections of Aluminium conforming to IS 5082. Current rating of links shall be minimum 1.5 times (rating for unassembled sections) the device rating. Spreader bars supplied by MCCB manufacturer shall be used for all incoming and outgoing terminations for all MCCBs.
- b) All control wiring shall be done with single core 2.5sqmm, FRLS PVC insulated, 1100v grade, IS approved stranded copper cable.
- c) All control cable ends shall have crimped copper lugs for proper termination and ferrules for identification of wiring. All the control circuit wiring shall be connected with terminals blocks, ferrules for easy identification.
- d) All panel doors shall be earthed.
- e) No bimetallic joints shall be permitted in the links of connections.
- f) Special non-deteriorating Neoprene rubber gaskets shall be provided at panel doors.
- g) Sufficient space should be provided for proper glanding, dressing, connecting up and maintenance of all cables. Sufficient nos. of cable entry holes shall be provided in the bottom plate.
- h) All items shall be duly fixed with zinc passivated high tension hard-wares. DIN channel shall be used for components having facility to mount on DIN channel.
- i) All items of the Panel must be approved by ISI or IEC (with latest amendments) for performance and safety. 3 nos fuse carrier and base of 16 Amp of SM type with 4 Amp HRC fuses and fuse link shall be provided for power supply of multifunction meter. The auxiliary power supply of multifunction meter shall be 230 VAC.
- j) Current transformer shall be cast resin type, with accuracy class 0.5 and suitable specification. 2 No's passivated heavy duty type nuts and bolts shall be provided for connection of earthing on two opposite side.
- k) For all incoming and outgoing cable connection, brought out terminals shall be provided. Suitable size of single compression M.S cable gland of size mentioned in the point no. (xii) for all incoming and outgoing cables along with Panel. Suitable size of holes shall be made into detachable gland plate for incoming and outgoing feeders. The cable gland is to be supplied and fitted in the Panel by bidder as per requirement of incoming and outgoing feeders.
- l) The Panel shall have provision for,

- a) Incoming cable entries: suitable for terminating 2nos 3.5×240 sqmm XLPE cable
- b) Outgoing cable entries
- i) For 400 A MCCB: Entry hole for terminating 1 no, 3.5×240 sqmm PVCA/XLPE cable for each 400 A compartment
- ii) For 250 A MCCB: Entry hole terminating 1 no, 3.5×95sqmm PVCA cable for each 250 A compartment
- iii) For 160 A MCCB :Entry hole terminating 1 no, 4 x 50mmsq cable for each 160 A compartment
- m) Higher version of components with same feature as mentioned in make list of components having proven track records of components shall be acceptable to OIL with prior approval. All cable entries shall be done from bottom side. Separate detachable type gland plates shall be provided for all cables. One additional cable entry gland plate shall be provided.

E. Bus-bars and bus chamber:

The bus chamber shall be sheet steel clad having front and rear bolted covers and shall consist of 1 set TP & N electrolytic grade, high conductivity Aluminium bus-bars, conforming to BIS. Current rating of bus bar sections 800 A suitable for 415 V AC, 50 Hz system. Neutral bar shall be of same size as phase bus. The bus-bar shall be insulated with heat shrinkable PVC sleeves, make Raychem RPG, equivalent reputed make and shall be supported at required intervals with non- hygroscopic, non-deteriorating, and non inflammable SMC / FRP supports-Devi Polymer/Power mate/Sintex /Electro fibre make having adequate mechanical strength and a high tracking resistance, to withstand short circuit fault levels up to 50 kA for 1 sec. All risers and connections from bus bar shall be carried out with same material as the main bus bars of current rating as per rating of individual cubicle switch. To suit the stringent site conditions, the bus bar system shall be designed with generous clearance between phases than specified in the standards. Adequate non-hygroscopic insulating sheet barriers between the bus chambers and feeders shall be provided. The manufacturers prototype panel must have type test certificate from CPRI/equivalent testing lab of national reputed for short circuit withstand of 50kA for one second on minimum 2000Amps Bus Bars, Temperature rise test. A copy of the test certificate shall be enclosed with the offer.

All necessary interconnection shall be duly tested as per IS: 8623

F. Feeder Panels and Instruments

1. Incomer Feeder panels and Instruments: 415VAC, 400 A MCCB : 2 Nos. with following specifications:

- i) Rating: 4 pole, 415VAC, 400 A, minimum 25 KA, 50 Hz
- ii) Protection: Adjustable Thermal Magnetic
- iii) Core balance current transformer(CBCT) with earth leakage relay (ELR) for providing Earth leakage protection ;Current Settings: 30mA to 30A; Time Settings: 0.15Sec to 5 Sec: 1set
- iv) Digital Multifunction Meter, V+A+Hz+KW+PF+KWh+Max.Demand : 1 No
- v) Ring type Current Transformer, 400/5, 15VA, Class 1 to IS: 2705, Cast resin type: 3 Nos.
- vi) MCCBs shall be actuated by a handle that clearly indicates the three positions ON/OFF/ TRIP.
- vii) LED for R, Y, B phases shall be provided showing availability of power: 3 Nos.
- viii) Moulded HRC Fuse Holders with HRC Fuses for control circuit protection : 3 Nos.
- ix) Pad locking arrangement in OFF position with pad lock & key: 1no.

2. Outgoing Feeders:

- a) 415VAC, 250 A, MCCB - 4 Nos with following specifications:
 - i. Rating: 4 pole, 415VAC, 250 A, minimum 16kA, 50Hz
 - ii. Settings : Adjustable Thermal Magnetic
 - iii. Digital Ammeter, 3 Phase with inbuilt selector switch with size 96×96 mm: 1 Set
 - iv. Pad locking arrangement in OFF position with pad lock & key: 1no
 - b) 415VAC, 160 A, MCCB - 2 Nos with following specifications:
 - v. Rating: 4 pole, 415VAC, 160 A, minimum 16kA, 50Hz
 - vi. Settings : Adjustable Thermal Magnetic
 - vii. Digital Ammeter, 3 Phase with inbuilt selector switch with size 96×96 mm: 1 Set
 - viii. Pad locking arrangement in OFF position with pad lock & key: 1no
- G. Make & Specification of Components: The Make and Model No. of the components shall be as follows:
- i. Digital Multifunction Meter: Make: Schneider Power logic PM200 series/ HPL-Socomec (Diris A41)/ Siemens PAC3200/Secure.
 - ii. Digital Ammeter with inbuilt selector switch: Make: Schneider electric/ HPL/ LT/ Siemens
 - iii. Current Transformer: Make: Kappa/ Precise Electrical/ Pragati Electrical/ Siemens/ L&T/ Schneider electric
 - iv. LED : Make: Binay/ Tecnic/ L&T/ Siemens
 - v. HRC Fuses: Make: GE/ Siemens/ L&T/ Schneider/ Cooper Bussman
 - vi. MCCB Make: Schneider Electric/ABB/Siemens India Ltd/Legrand/Indo Asian: Optium range/L&T
 - vii. Digital Earth leakage relay with CBCT Make: Legrand/ Schneider Electric (Merlin Gerin): Vigirex Earth Leakage Relay: RH 99/GE: Type, RD6/ Prokdv's: Digital earth leakage relay: Model No.MPEL-02
- H. Name Plates and Marking:
1. Panel shall be provided with Aluminium /Stainless steel / Brass nameplate showing the following information indelibly marked in English.
 - i. Manufacturer's Name
 - ii. OIL's Purchase Order No. & date
 - iii. Manufacturer's Serial Number
 - iv. Year of Manufacture
 - v. Rated Voltage Rating
 - vi. No. of circuits (incoming & outgoing)
 - vii. Rated Current of incoming circuit
 - viii. Rated Current of outgoing circuit
 - ix. Degree of protection
 2. Danger Notice Plates: Danger Notice plate shall be provided at the front of the Panel using M5 hot dipped galvanized /stainless steel / brass fasteners not removable type / accessible from the front i.e. without opening the door / front cover
 3. A laminated printed drawing of complete circuits shall be pasted on the outside and inside of door of each Panel mentioning OIL#s order no, WBS no (Provided by OIL at the time of drawing approval).
- I. Tests:
- The following routine tests shall be carried out in accordance with the relevant IS/IEC standards.
- Routine Tests: The following routine tests shall be carried out at manufacturers' works during inspection:
- i. Overall Dimensions Checking

- ii. Insulation Resistance Tests
- iii. High Voltage Test at 2500 V, 50 Hz AC for one minute.
- iv. Functional Test and verification of continuity of protective circuits
- v. Verification of clearances & creepage distances

J. Test Certificates:

Copy of type test conducted on similar type panel by NABL accredited laboratories for the following shall be submitted with the offer.

- i. Short Time current withstand test.
- ii. Temperature rise test.

K. Inspection:

The Panel shall be inspected by Oil's Engineer at manufacturer's works prior to dispatch. Routine test on the individual components and on Panel in accordance with IS shall be carried out at the manufactures works which shall be witnessed by OIL Engineer. The supplier will have to give 30 days advance intimation to enable depute OIL representative for witnessing the acceptance and routine test. Inspection visit will be at OIL's account

L. Drawing & Documents:

1. Drawing/Documents to be submitted along with the offer:

The following drawings & documents shall be prepared based on NIT's specifications and statutory requirements with complete BOM and shall be submitted with the bid.

- i. Completely filled-in technical parameters.
- ii. SLD of Panel.
- iii. Bill of Material (BOM).
- iv. GA drawing of the Panel showing dimensional details.
- v. Type Test certificates for tests conducted earlier on similar equipment shall be furnished

2. Documents/drawings to be submitted for approval after the award of the order:

The following drawings & documents shall be submitted for approval:

GA drawing, SLD, termination details, wiring diagram and complete bill of material of the Panel shall be submitted to OIL for approval within 45 days after placement of the order. The drawing shall be approved by OIL within 30 Days of submission of drawing. Delay in drawing approval due to error correction in drawings submitted will to be parties account.

Any delay is submission of drawing approval shall be parties account.

3. Documents/drawings to be submitted along with the supply

Four sets of the following documents shall be submitted with the supply

- i. Approved GA drawing showing all details, including constructional detail and component layout for panels.
- ii. Approved SLD & Schematic Diagram.
- iii. Technical specification of all equipment including Manual/Catalogue /installation instructions etc.
- iv. Bill of Materials with technical details.
- v. Routine, Acceptance & Type test certificates.
- vi. Guarantee Certificate.
- vii. List of recommended spares with pricing and part no. for two years operation.

Notes: The drawing shall be approved by OIL within 30 Days of submission of drawing. Delay in drawing approval due to error correction in drawings submitted will to be parties account.

M. Warranty:

The goods/equipments shall be of best quality and workmanship. Panel and all its components shall be guaranteed for twelve (12) months from the date of commissioning against defects arising due to material, workmanship or design. The party shall agree to replace/repair the defective components at site at their cost during guarantee period.

Item No. 20: 01 No.**A. Scope of work:**

This specification covers Design, fabrication and supply of 01 nos., 415 V AC, 50HZ indoor type panel with MCCBs as incomer and MCCBs as outgoing feeders, skid mounted ready for operation on being installed in a fixed position. The Panels shall be placed on a suitable RCC foundation to take the load of Panel.

B. Standards:

All components used in the manufacture of the Panels shall confirm to the relevant IEC/BIS standard specification and especially to the followings:

- i. IS:13947-1993/IEC:60947 General arrangement for switchgear and control gear for voltage not exceeding 1000 V
- ii. IS: 12063-1987/IEC:60529 Degrees of Protection provided by enclosures of electrical Equipments.
- iii. IS: 5/2004 Colour for ready mixed paints and enamel.
- iv. IS: 732/1989 Code of Practice for Electrical Wiring Installations.
- v. IS: 5039/1983 Distribution pillars for voltage not exceeding 1000 V.
- vi. IS/IEC: 127-1994 Miniature Fuses- Fuse Holders for Miniature Cartridge Fuse Links - Specification.
- vii. IS:2551-1982 Danger Notice Plates.
- viii. IEC:60664 Insulation co-ordination within low voltage system including clearance creepage distances for equipment.

C. General Description of the Panel

- a) Panel shall be self-supporting, Indoor Type, dust,vermin/rodent proof, suitable for placing on a RCC foundation. Any left holes/cable entries shall be blocked by using detachable metallic sheets to prevent entry of rodent/reptiles.
- b) The structure of Panel shall be made with 2mm thick CRCA sheet and (75x40x6) mm base channel as required.
- c) Heavy duty Lifting hooks (4 No's heavy duty lifting hooks) shall be provided for lifting of Panel.
- d) The door shall be in parts and shall have locking arrangement with special type Knob type key. Danger Plate fitted on both sides.
- e) For cooling of the component louver arrangement shall be made in the Panel.
- f) Panel shall have a heavy duty base framework. The frame design shall be such that the height between bottom cable entry plate and the connection hole of brought out link of incoming, outgoing MCCBs shall be minimum 450mm.
- g) The entire sheet-work shall be given minimum nine tank anti-rust treatment as per IS and then powder coated (min 50 micron thick) in light grey shade no 631 as per IS:631.
- h) The design should be as per IS-8623, 13947, 13703, 4237 and IEC-61439 and suitable for ambient-40°C (Max)/ 5°C (Min), humidity-95% (Max). All components used must be suitable for the environment as mentioned.
- i) All hardware's should be of high tensile steel & Zinc passivated. Size of spring washers & flat washers should be as per relevant IS for individual bolt.
- j) All the components shall be mounted on separate steel plate with necessary stiffeners or suitable channels so that all the components can be checked and replaced from front side after opening the door.
- k) All items will be labelled using riveted engraved metallic or mica labels.
- l) All incoming and outgoing cables shall enter the enclosure from bottom side. Bottom

plate shall have individual detachable gland plates for all cables. These detachable plates shall be accessible and removable from inside. All cable entry plates shall have knockouts.

m) A 50 x 6 mm GI strip should be provided on the backside of the panel with adequate holes (13mm dia each) with nuts, bolts and washers for making earth connections for all panels and cables. Length of the GI strip shall be same as panel length. Zinc pated and passivated double earthing studs with nuts, bolts and washers shall be provided on the earthing strips.

n) Danger plates (415 VAC) shall be fixed on both front and rear of the panel including the bus-bar chambers.

D. Detailed Description of the Panels

a) All connection links between bus-bar and MCCBs & brought out links shall be made with rectangular sections of Aluminium conforming to IS 5082. Current rating of links shall be minimum 1.5 times (rating for unassembled sections) the device rating. Spreader bars supplied by MCCB manufacturer shall be used for all incoming and outgoing terminations for all MCCBs.

b) All control wiring shall be done with single core 2.5sqmm, FRLS PVC insulated, 1100v grade, IS approved stranded copper cable.

c) All control cable ends shall have crimped copper lugs for proper termination and ferrules for identification of wiring. All the control circuit wiring shall be connected with terminals blocks, ferrules for easy identification.

d) All panel doors shall be earthed.

e) No bimetallic joints shall be permitted in the links of connections.

f) Special non-deteriorating Neoprene rubber gaskets shall be provided at panel doors.

g) Sufficient space should be provided for proper glanding, dressing, connecting up and maintenance of all cables. Sufficient nos. of cable entry holes shall be provided in the bottom plate.

h) All items shall be duly fixed with zinc passivated high tension hard-wares. DIN channel shall be used for components having facility to mount on DIN channel.

i) All items of the Panel must be approved by ISI or IEC (with latest amendments) for performance and safety. 3 nos fuse carrier and base of 16 Amp of SM type with 4 Amp HRC fuses and fuse link shall be provided for power supply of multifunction meter. The auxiliary power supply of multifunction meter shall be 230 VAC.

j) Current transformer shall be cast resin type, with accuracy class 0.5 and suitable specification. 2 No's passivated heavy duty type nuts and bolts shall be provided for connection of earthing on two opposite side.

k) For all incoming and outgoing cable connection, brought out terminals shall be provided. Suitable size of single compression M.S cable gland of size mentioned in the point no. (xii) for all incoming and outgoing cables along with Panel. Suitable size of holes shall be made into detachable gland plate for incoming and outgoing feeders. The cable gland is to be supplied and fitted in the Panel by bidder as per requirement of incoming and outgoing feeders.

l) The Panel shall have provision for,

a) Incoming cable entries: suitable for terminating 2nos 3.5×240 sqmm XLPE cable

b) Outgoing cable entries

i) For 400 A MCCB: Entry hole for terminating 1 no, 3.5×240 sqmm PVCA/XLPE cable for each 400 A compartment

ii) For 250 A MCCB: Entry hole terminating 1 no, 3.5×95sqmm PVCA cable for each 250 A compartment

iii) For 160 A MCCB :Entry hole terminating 1 no, 4 x 50mmsq cable for each 160 A compartment

m) Higher version of components with same feature as mentioned in make list of components having proven track records of components shall be acceptable to OIL with prior

approval. All cable entries shall be done from bottom side. Separate detachable type gland plates shall be provided for all cables. One additional cable entry gland plate shall be provided.

E. Bus-bars and bus chamber:

The bus chamber shall be sheet steel clad having front and rear bolted covers and shall consist of 1 set TP & N electrolytic grade, high conductivity Aluminium bus-bars, conforming to BIS. Current rating of bus bar sections 800 A suitable for 415 V AC, 50 Hz system. Neutral bar shall be of same size as phase bus. The bus-bar shall be insulated with heat shrinkable PVC sleeves, make Raychem RPG, equivalent reputed make and shall be supported at required intervals with non- hygroscopic, non-deteriorating, and non inflammable SMC / FRP supports-Devi Polymer/Power mate/Sintex /Electro fibre make having adequate mechanical strength and a high tracking resistance, to withstand short circuit fault levels up to 50 kA for 1 sec.

All risers and connections from bus bar shall be carried out with same material as the main bus bars of current rating as per rating of individual cubicle switch. To suit the stringent site conditions, the bus bar system shall be designed with generous clearance between phases than specified in the standards. Adequate non-hygroscopic insulating sheet barriers between the bus chambers and feeders shall be provided. The manufacturers prototype panel must have type test certificate from CPRI/equivalent testing lab of national reputed for short circuit withstand of 50kA for one second on minimum 2000Amps Bus Bars, Temperature rise test. A copy of the test certificate shall be enclosed with the offer.

All necessary interconnection shall be duly tested as per IS: 8623

F. Feeder Panels and Instruments

1. Incomer Feeder panels and Instruments: 415VAC, 400 A MCCB : 2 Nos. with following specifications:

- i) Rating: 4 pole, 415VAC, 400 A, minimum 25 KA, 50 Hz
- ii) Protection: Adjustable Thermal Magnetic
- iii) Core balance current transformer(CBCT) with earth leakage relay (ELR) for providing Earth leakage protection ;Current Settings: 30mA to 30A; Time Settings: 0.15Sec to 5 Sec: 1set
- iv) Digital Multifunction Meter, V+A+Hz+KW+PF+KWh+Max.Demand : 1 No
- v) Ring type Current Transformer, 400/5, 15VA, Class 1 to IS: 2705, Cast resin type: 3 Nos.
- vi) MCCBs shall be actuated by a handle that clearly indicates the three positions ON/ OFF/ TRIP.
- vii) LED for R, Y, B phases shall be provided showing availability of power: 3 Nos.
- viii) Moulded HRC Fuse Holders with HRC Fuses for control circuit protection : 3 Nos.
- ix) Pad locking arrangement in OFF position with pad lock & key: 1no.

2. Outgoing Feeders:

- a) 415VAC, 250 A, MCCB - 2 Nos with following specifications:
 - i. Rating: 4 pole, 415VAC, 250 A, minimum 16kA, 50Hz
 - ii. Settings : Adjustable Thermal Magnetic
 - iii. Digital Ammeter, 3 Phase with inbuilt selector switch with size 96×96 mm: 1 Set
 - iv. Pad locking arrangement in OFF position with pad lock & key: 1no
- b) 415VAC, 160 A, MCCB - 6 Nos with following specifications:
 - v. Rating: 4 pole, 415VAC, 160 A, minimum 16kA, 50Hz
 - vi. Settings : Adjustable Thermal Magnetic
 - vii. Digital Ammeter, 3 Phase with inbuilt selector switch with size 96×96 mm: 1 Set
 - viii. Pad locking arrangement in OFF position with pad lock & key: 1no

G. Make & Specification of Components: The Make and Model No. of the components shall be as follows:

- i. Digital Multifunction Meter: Make: Schneider Power logic PM200 series/ HPL-Socomec (Diris A41)/ Siemens PAC3200/Secure.
- ii. Digital Ammeter with inbuilt selector switch: Make: Schneider electric/ HPL/ LT/Siemens
- iii. Current Transformer: Make: Kappa/ Precise Electrical/ Pragati Electrical/ Siemens/ L&T/ Schneider electric
- iv. LED : Make: Binay/ Tecnic/ L&T/ Siemens
- v. HRC Fuses: Make: GE/ Siemens/ L&T/ Schneider/ Cooper Bussman
- vi. MCCB Make: Schneider Electric/ABB/Siemens India Ltd/Legrand/Indo Asian: Optium range/L&T
- vii. Digital Earth leakage relay with CBCT Make: Legrand/ Schneider Electric (Merlin Gerin): Vigirex Earth Leakage Relay: RH 99/GE: Type, RD6/ Prokdv's: Digital earth leakage relay: Model No.MPEL-02

H. Name Plates and Marking:

1. Panel shall be provided with Aluminium /Stainless steel / Brass nameplate showing the following information indelibly marked in English.
 - i. Manufacturer's Name
 - ii. OIL's Purchase Order No. & date
 - iii. Manufacturer's Serial Number
 - iv. Year of Manufacture
 - v. Rated Voltage Rating
 - vi. No. of circuits (incoming & outgoing)
 - vii. Rated Current of incoming circuit
 - viii. Rated Current of outgoing circuit
 - ix. Degree of protection
2. Danger Notice Plates: Danger Notice plate shall be provided at the front of the Panel using M5 hot dipped galvanized /stainless steel / brass fasteners not removable type / accessible from the front i.e. without opening the door / front cover
3. A laminated printed drawing of complete circuits shall be pasted on the outside and inside of door of each Panel mentioning OIL#s order no, WBS no (Provided by OIL at the time of drawing approval).

I. Tests:

The following routine tests shall be carried out in accordance with the relevant IS/IEC standards.

Routine Tests: The following routine tests shall be carried out at manufacturers' works during inspection:

- i. Overall Dimensions Checking
- ii. Insulation Resistance Tests
- iii. High Voltage Test at 2500 V, 50 Hz AC for one minute.
- iv. Functional Test and verification of continuity of protective circuits
- v. Verification of clearances & creepage distances

J. Test Certificates:

Copy of type test conducted on similar type panel by NABL accredited laboratories for the following shall be submitted with the offer.

- i. Short Time current withstand test.
- ii. Temperature rise test.

K. Inspection:

The Panel shall be inspected by Oil's Engineer at manufacturer's works prior to dispatch. Routine test on the individual components and on Panel in accordance with IS shall be carried out at the manufacturer's works which shall be witnessed by OIL Engineer. The supplier will have to give 30 days advance intimation to enable depute OIL representative for witnessing the acceptance and routine test. Inspection visit will be at OIL's account

L. Drawing & Documents:

1. Drawing/Documents to be submitted along with the offer:

The following drawings & documents shall be prepared based on NIT's specifications and statutory requirements with complete BOM and shall be submitted with the bid.

- i. Completely filled-in technical parameters.
- ii. SLD of Panel.
- iii. Bill of Material (BOM).
- iv. GA drawing of the Panel showing dimensional details.
- v. Type Test certificates for tests conducted earlier on similar equipment shall be furnished

2. Documents/drawings to be submitted for approval after the award of the order:

The following drawings & documents shall be submitted for approval:

GA drawing, SLD, termination details, wiring diagram and complete bill of material of the Panel shall be submitted to OIL for approval within 45 days after placement of the order. The drawing shall be approved by OIL within 30 Days of submission of drawing. Delay in drawing approval due to error correction in drawings submitted will be parties account.

Any delay in submission of drawing approval shall be parties account.

3. Documents/drawings to be submitted along with the supply

Four sets of the following documents shall be submitted with the supply

- i. Approved GA drawing showing all details, including constructional detail and component layout for panels.
- ii. Approved SLD & Schematic Diagram.
- iii. Technical specification of all equipment including Manual/Catalogue /installation instructions etc.
- iv. Bill Of Materials with technical details.
- v. Routine, Acceptance & Type test certificates.
- vi. Guarantee Certificate.
- vii. List of recommended spares with pricing and part no. for two years operation.

Notes: The drawing shall be approved by OIL within 30 Days of submission of drawing. Delay in drawing approval due to error correction in drawings submitted will be parties account.

M. Warranty:

The goods/equipments shall be of best quality and workmanship. Panel and all its components shall be guaranteed for twelve (12) months from the date of commissioning against defects arising due to material, workmanship or design. The party shall agree to replace/repair the defective components at site at their cost during guarantee period.

NOTE:

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

ANNEXURE-II

TECHNICAL EVALUATION SHEET

Sr. No.		Description (refer to tender for detailed description)	Bidders Remarks: Complied/ Not Complied/ Deviation	Bidder to indicate Relevant Page No. /Document No. of their Bid to support the Remarks/ Compliance
1		Bidder or their OEM shall be a panel manufacturer or channel partner or authorized dealer of manufacturing LT panel with 415 VAC MCCB. Bidders quoting on behalf of panel manufacturer shall submit copy of valid dealership certificate/authorization letter/certificate of channel partnership from the panel manufacturer along with the offer. Panel manufacturer shall provide full backup support for defect liability to their authorized dealer/channel partner in such case.		
2		Offer shall be complete in all respect to meet the technical specifications of the tender.		
3		Bidder shall deliver the PMCC panels within 9 months of the issue of LOA/Purchase Order.		
	Clause No. Of Technical Specification			
4	A	Scope of Work		
5	B	Standards		
6	C	General Description of the Panel		
7	D	Detailed Description of the Panels		
8	E	Bus-bars and bus chamber		
9	F	Feeder Panels and Instruments		
10	G	Make & Specification of Components		
11	H	Name Plates and Marking		
12	I	Test		
13	J	Test Certificates		
14	K	Inspection		
15	L	Drawing & Documents		
16	M	Warranty		

Note: Bidder may give additional description of their offer against the NIT Clause nos.

However filling up the Technical Evaluation Sheet is MANDATORY.

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.