

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
SDI9675P16 Dtd. 19.12.2015 Single Stage Composite Bid	25.02.2016	Video Conference System
SDI9785P16 Dtd. 05.01.2016 Single Stage Composite Bid	25.02.2016	Defibrillator Monitor
SDI9427P16 Dtd. 03.12.2015 Single Stage Composite Bid	25.02.2016	Feeder Pillar
SDI9587P16 Dtd. 12.12.2015 Single Stage Composite Bid	25.02.2016	1000 KVA Transformer
SDI9425P16 Dtd. 03.12.2015 Single Stage Composite Bid	25.02.2016	Transformer

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. : SDI9427P16 Dtd. 03.12.2015

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 **Supply, Installation & Commissioning of Feeder Pillar (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 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 = 0374-2807171 , 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 LCB 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) In the event of receipt of only a single offer against the tender within B.C. date, OIL reserves the right to extend the B.C. date as deemed fit by the Company. During the extended period, the bidders who have already submitted the bids on or before the original B.C. date, shall not be permitted to revise their quotation.
- g) All corrigenda, addenda, amendments, time extension, clarifications etc. To the tender will be hoisted on OIL's website (www.oil-india.com) and in the e-portal (<https://etenders.srm.oilindia.in/irj/portal>) only and no separate notification shall be issued in the press. Prospective bidders are requested to regularly visit the website and e-portal to keep themselves updated.
- 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 RFX** Response.

Special Note:

1.0 General Qualification Criteria:

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

Criteria	Complied / Not Complied.
	Documentary evidence submitted / not submitted
a) Bidder should have experience of successfully executing similar order of Rs 3.46 Lakhs during last 3 years.	
b) Annual financial turnover of the firm in any of the last 3 financial years or current financial year should not be less than Rs 11.54 Lakhs.	

Note: Documentary evidence in respect of the above should be submitted in the form of copies of relevant Purchase Orders along with copies of any of the documents in respect of satisfactory execution of each of those Purchase Orders, such as – (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Received Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of

Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory execution of each of the purchase orders cited above. For Annual financial turnover enclose the audited Annual Reports or balance sheet certified by a chartered accountant.

2.0 Vendors having OIL's User ID & password shall purchase bid documents on-line through OIL's electronic Payment Gateway 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 shall obtain User ID & password through online vendor registration system in e-portal and can subsequently purchase bid documents through OIL's electronic Payment Gateway 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 favour of M/s Oil India Limited and payable at Duliajan is to be sent to Head-Materials, Oil India Limited, P.O. Duliajan, Assam-786602. Application shall be accepted only upto 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:

PSUs and MSE units are provided tender documents Free of Cost (as per govt guidelines), however they have to apply to OIL's designated office to issue the tender documents one week prior to the Bid closing date (or as amended in e-portal).

3.0 Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with Tender no. and Due date to **Head Materials, Materials Department, Oil India Limited, Duliajan - 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender.**

- a) Original Bid Security**
- b) Detailed Catalogue (if any)**
- c) Any other document required to be submitted in original as per tender requirement**

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

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

5.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the NIT or submission of offers not

substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.

- 6.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time failing which the offer shall be rejected.
- 7.0 Bid must be submitted electronically only through OIL's e-procurement portal. Bid submitted in any other form will be rejected.
- 8.0 The tender shall be governed by the Bid Rejection & Bid Evaluation Criteria given in enclosed **Annexure-CCC**. However, if any of the **Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (as per Annexure-CCC)** contradict the **Clauses of the tender and / or "General Terms & Conditions"** as per Booklet No. MM/LOCAL/E-01/2005 for E-procurement (LCB Tenders) elsewhere, those in the **BEC / BRC** shall prevail.
- 9.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.
- 10.0 Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.
- 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.

NOTE:

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

Yours Faithfully

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

Tender No & Date: SDI9427P16 Dtd. 03.12.2015**BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)**

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

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

<u>Criteria</u>	Complied / Not Complied. (Remarks if any)
<p>1.0 BID REJECTION CRITERIA (BRC):</p> <p>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 120 days from the Bid Closing Date.</p> <p>ii) Bid security: The bid must be accompanied by Bid Security of Rs 12,000.00 in OIL's prescribed format as Bank Guarantee or a Bank Draft/Cashier cheque in favour of OIL. The Bid Security may be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender. The Bank Guarantee towards Bid Security shall be valid for 10 months from Bid closing date. (i.e. upto 25.12.2016).</p> <p>Bid Security may also be paid online on or before the Bid Closing Date and Time mentioned in the Tender.</p> <p><u>If bid security in ORIGINAL of above mentioned Amount and 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> <p>For exemption for submission of Bid Security, please refer Clause No. 8.8 of</p>	

General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.

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

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

iii) Performance Security:

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

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

iv) *The Bank Guarantee should be allowed to be encashed at all branches within India.*

v) The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.

vi) Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.

vii) All the Bids must be Digitally Signed using “Class 3” digital certificate with Organisation’s name (*e-commerce application*) as per Indian IT Act 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.

(e) Average Annual Turnover of a bidder lower than the average Annual turnover mentioned in the Tender.

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:

1.0 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). 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 NIT terms and conditions of NIT.

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TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No & Date: SDI9427P16 Dtd. 03.12.2015

	Complied / Not Complied. (Remarks if any)
<p>ITEM NO. 10, FEEDER PILLAR, (QTY. – 1 No)</p> <p>1.0 Scope of work:</p> <p>This specification covers Design, fabrication, supply, installation, testing and commissioning of 01 nos., 415 V AC, 50HZ Outdoor Type Feeder Pillar with MCCBs as incomer and MCCBs as outgoing feeders in a single transportable unit ready for operation on being installed in a fixed position. The feeder pillars shall be installed on a suitable RCC foundation to take the load of feeder pillars. The design, materials and components of feeder pillar shall, therefore, be of the highest order to ensure continuous and trouble-free service over the years. All the feeder pillar shall be installed and commissioned in housing area and industrial/ civic areas of OIL.</p> <p>2.0 Standards:</p> <p>All components used in the manufacture of the Feeder Pillars 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>3.0 Technical Requirements:</p> <p>3.1 Details of components:</p> <p>Type of Feeder Pillar: Outdoor Type</p> <p>A.Incoming Feeder & Instrument:</p> <p>I.630A, MCCB : 2 Nos</p> <p>The Microprocessor based MCCB shall have following specification</p> <p>a) Rating: 4 pole, 630 A, minimum 50 kA, 50Hz, 415VAC</p> <p>b) Settings:</p> <p>i. Over Current: $I_r=0.4$ to $1 \times I_n$; $T_r= 5$ to 30 Seconds</p> <p>ii. Short Circuit: $I_m= 1.5$ to $10 \times I_r$; $T_m= 0.01$ to 0.3 Seconds</p> <p>iii. Instantaneous protection against short Circuit with fixed threshold $I_f=5kA$</p> <p>iv. Earth-fault: $I_g= 0.2$ to $1 \times I_n$; $T_g= 0.1$ to 1 Seconds</p>	

- c) Each Outgoing feeder of 400A shall be equipped with following:
 - i. 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
 - ii. Digital Multifunction Meter, V+A+Hz+KW+PF+KWh+Max.Demand with RS-485 port : 1 No
 - iii. Current Transformer, 600/5, 15VA, Class 1 to IS: 2705, Cast resin type: 3 Nos
 - iv. MCCBs shall be actuated by a handle that clearly indicates the three position ON/ OFF/ TRIP.
 - v. 3 Nos LED for R, Y, B phases shall be provided showing availability of power : 3 Nos
 - vi. Moulded HRC Fuse Holders with HRC Fuses for control circuit protection : 3 Nos

B.Outgoing Feeders:

I. 400A, MCCB - 2 nos

The Microprocessor based MCCB shall have following specification

- d) Rating: 4 pole, 400 A, minimum 36kA, 50Hz, 415VAC
- e) Settings:
 - i. Over Current: $I_r=0.4$ to $1 \times I_n$; $T_r= 3$ to 15 Seconds
 - ii. Short Circuit: $I_m= 1.5$ to $10 \times I_r$; $T_m= 0.01$ to 0.5 Seconds
 - iii. Instantaneous protection against short Circuit with fixed threshold $I_f=5kA$
 - iv. Earth-fault: $I_g= 0.2$ to $1 \times I_n$; $T_g= 0.1$ to 1 Seconds
- f) Each Outgoing feeder of 400A shall be equipped with following:
 - i. 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
 - ii. Digital Ammeter, 3 Phase with inbuilt selector switch with size 96×96 mm. : 1 Set

II. 250 A,MCCB :3Nos

The Microprocessor based MCCB shall have following setting

- a) 4 pole, 250 A, minimum 36kA, 50Hz, 415VAC
- b) Settings:
 - i) Over-Current: $I_r=0.4$ to $1 \times I_n$; $T_r= 3$ to 15 Seconds
 - ii) Short Circuit: $I_m= 1.5$ to $10 \times I_r$; $T_m= 0.01$ to 0.5 Seconds
 - iii) Instantaneous protection against short circuit with fixed threshold $I_f=5kA$
 - iv) Earth Fault $I_g=0.2$ to $1 \times I_n$; $T_g= 0.1$ to 1 Seconds

- c) Each Outgoing feeder of 250 A shall be equipped with following:

- i)Core balance current transformer (CBCT) with earth leakage relay(ELR) for providing Earth leakage protection (CBCT & ELR): Current Settings: 30mA to 30A; Time Settings: 0.15Sec to 5 Sec: 1set
- ii) Digital Ammeter, 3 Phase with inbuilt selector switch with size 96×96 mm. : 1 Set

III. 125 A, MCCB: 2 Nos

The Microprocessor based MCCB shall have following setting

- a) 4 Pole, 125 A minimum 36 KA,50Hz, 415 V AC
- b) Settings:
 - i) Over-Current: $I_r=0.4$ to $1 \times I_n$; $T_r= 3$ to 15 Seconds
 - ii) Short Circuit: $I_m= 1.5$ to $10 \times I_r$; $T_m= 0.01$ to 0.5 Seconds
 - iii) Instantaneous protection against short circuit with fixed threshold $I_f=5kA$
 - iv) Earth Fault $I_g=0.2$ to $1 \times I_n$; $T_g= 0.1$ to 1 Seconds

- c) Each Outgoing feeder of 125A shall be equipped with following:

- i) Core balance current transformer (CBCT) with earth leakage relay (ELR) for providing Earth leakage protection (CBCT & ELR): Current Settings: 30mA to 30A; Time Settings: 0.15Sec to 5 Sec: 1set
- ii) Digital Ammeter, 3 Phase with inbuilt selector switch with size 96×96 mm. : 1 Set

IV) 63 A,36KA, 4P thermal MCCB 63A and street light control cubicle: 1 set

The Cubicle shall have, The MCCB and prewired ready to use streetlight contrl cubicle shall be as per the following specification

- i. Outgoing from 63 A MCCB shall be terminated to the incomer of street light control panel
- ii. 1 No. Time Switch, 230V AC. Make: Legrand catalogue no. 04761/Merlin Gerin Ref no. 15336/Indo Asian cat no:TA916422
- iii. Fuse carrier & base of 4 amps of SM type. Necessary control wiring shall be carried out with single core 2.5sqmm stranded copper wire
- iv. 1 No. T.P. Power Contactor, 3 Pole, 40 Amps, 230 V (Make: GE/Siemens /Merlin Gerin).
- v. Incomer power shall be tapped from 63 A MCCB. Digital timer is used for auto on/off street light. Selector switch for selecting Auto mode and Manual mode. When selecting auto mode, Timer will switch on/off the contactor as per the time setting done on Digital timer. When selecting manual mode, push button be shall be fixed on the door of cubicle to switch on/off the Contactor.

C: Bus-bar:

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 1000 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

D: Make & Specification:

The Make and Model No. of the components shall be as follows:

a)Digital Multifunction Meter:

Make: Schneider Power logic PM200 series/ HPL-Socomec (Diris A41)/ Siemens PAC3200/Secure

b)Digital Ammeter with inbuilt selector switch:

Make: Schneider electric/ HPL/ LT/ Siemens

c)Current Transformer:

Make: Kappa/ Precise Electrical/ Pragati Electrical/ Siemens/ L&T/ Schneider electric

d)LED :

Make: Binay/ Tecnic/ L&T/ Siemens

e)HRC Fuses:

Make: GE/ Siemens/ L&T/ Schneider/ Cooper Bussman

F) MCCB:

Make:

i.Schneider Electric (Merlin Gerin): model compact NSX with electronic trip unit with LSIG protection

ii.ABB - Tmax Series, model-T4/TP5 electronic release LSIG

iii.Siemens India Ltd: Sentron VL MCCB, electronic release and microprocessor based ETU with LSIG protection.

iv.Legrand: Model- DPX series with electronic release with LSIG protection.

vi)Indo Asian: X-Tec MCCB with Electronic release protection

g)DigitalEarth leakage relay with CBCT

Make:

i.Legrand:

ii.Schneider Electric (Merlin Gerin): Vigirex Earth Leakage Relay: RH 99

iii.GE: Type, RD6

iv.Prokdv's: Digital earth leakage relay: Model No.MPEL-02

4.0 Constructional Details:

4.1 General Requirements:

i.Feeder pillar shall be self-supporting, Outdoor Type, dust, vermin/rodent and weatherproof, suitable for mounting on a RCC foundation. Any left holes/cable entries shall be blocked by using detachable metallic sheets to prevent entry of rodent/reptiles.

ii. The structure of feeder pillar shall be made with 2mm thick CRCA sheet and (75x40x6) mm base channel as required.

iii. The degree of protection of enclosure shall be IP-55.

iv. Heavy duty Lifting hooks (4 No's heavy duty lifting hooks) shall be provided for lifting of feeder pillar.

v.The door shall be in parts and shall have locking arrangement with special type key , additional facility for padlocking shall be provided at Doors on both back and front sides of FP along with 2 nos 5 lever lock. Danger Plate fitted on both sides.

vi.The feeder pillar shall be double door type and the main components of feeder pillar shall be operated after opening of 1st door. After opening of first door, handle of MCCB and metering etc can be viewed from outside.

vii. Canopy type sloping roof, in addition to the main enclosure roof, shall be provided to prevent ingress and accumulation of rain water and provide additional protection against leakage. The roof extension shall cover the top side of doors to prevent leakage of water.

viii.For cooling of the component louver arrangement shall be made in the feeder pillar

ix.Feeder pillar 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.

x.The entire sheet-work shall be given minimum ten 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.

xi.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.

xii. All hardwires should be of high tensile steel & Zinc passivated. Size of spring washers

& flat washers should be as per relevant IS for individual bolt.

xiii. 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.

xiv. Marking of All incoming & outgoing feeders shall be done in front and back, as follows:

a) One set of Permanent Feeder marking using riveted engraved metallic or mica labels

b) one set of Label stickers

c) The text for marking shall be provided by OIL along with the drawing approval

xv. 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.

4.2 General Technical Requirements:

i. All connection links between bus-bar and MCCBs & brought out links shall be made with rectangular sections of copper 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.

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

iii. 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

iv. All panel doors shall be earthed.

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

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

vii. Enclosure protection of feeder pillar shall be minimum IP-55.

viii. 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.

ix. 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.

x. All items of the feeder pillar must be approved by ISI or IEC (with latest amendments) for performance and safety.

xi. 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.

xii. Current transformer shall be cast resin type, with accuracy class 0.5.

xiii. 2 Nos passivated heavy duty type nuts and bolts shall be provided for connection of earthing on two opposite side.

xiv. For all incoming and outgoing cable connection, brought out terminals shall be provided.

xv. Suitable size of single compression M.S cable gland of size mentioned in the point no. (xvi) for all incoming and outgoing cables along with feeder pillar. 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 feeder pillar by bidder as per requirement of incoming and outgoing feeders.

xvi. The feeder pillar shall have provision for

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

b. Outgoing cable entries:

i) for 400 A MCCB: Entry hole matching with 3.5×240 sqmm PVCA/XLPE cable for each 400 A compartment

ii) for 250 A MCCB: Entry hole matching with 3.5×120 sqmm PVCA cable for each 250 A

compartment

iii)for 125 A MCCB : Entry hole for 4 x 50 mmsq cable for each 125 A compartment

xvii.The connections from MCCB incoming shall be terminated to brought out terminals using spreader links.Suitable provision with cable support for routing and terminating incoming cables from the foundation shall be provided. 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 in each feeder

5. Name Plate and Marking of FP:

5.1 Feeder Pillar shall be provided with Aluminum /Stainless steel / Brass nameplate showing the following information indelibly marked in English:

- ¢ Manufacturer's Name
- ¢ OIL's Purchase Order No. & date
- ¢ Manufacturer's Serial Number
- ¢ Year of Manufacture
- ¢ Rated Voltage Rating
- ¢ No. of circuits (incoming & outgoing)
- ¢ Rated Current of incoming circuit
- ¢ Rated Current of outgoing circuit
- ¢ Degree of protection

5.2 Danger Notice Plates:

Danger Notice plate shall be provided at the front of the feeder pillar using M5 hot dipped galvanized /stainless steel / brass fasteners (oval head rounded neck bolts with nuts and external tooth lock washers) not removable / accessible from the front i.e. without opening the door / front cover.

5.3. A printed drawing of complete circuits shall be pasted on the outside and inside of door of each feeder pillar mentioning OIL#s order no, WBS no (Provided by OIL at the time of drawing approval).

6.0 Tests:

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

A. 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

B.Acceptance Test:

Temperature rise test on any one feeder pillar shall be carried out in addition to routine test on one random sample out of the lot offered for inspection and type test certificate shall be produced during inspection.

7.0 Test Certificates:

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

- a) Short time current withstand test
- b) Temperature rise test
- c) Degree of protection

8.0 Inspection

The feeder pillar shall be inspected by Oil's Engineer at manufacturer's works prior to dispatch. Routine test on the individual components and on feeder pillar in accordance with IS shall be carried out at the manufactures works which shall be witnessed by OIL Engineer. The supplier

<p>will have to give 30 days advance intimation to enable depute OIL representative for witnessing the acceptance and routine test.</p> <p>9.0 Drawing & Documents:</p> <p>9.1 Drawings/Documents to be submitted along with the offer:</p> <p>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:</p> <ul style="list-style-type: none"> i. Completely filled-in technical parameters ii. SLD of Feeder Pillar iii. Bill of Material (BOM) iv. Foundation plan v. GA drawing of the Feeder Pillar showing dimensional details <p>Vi. Type Test certificates for tests conducted earlier on similar equipment shall be furnished</p> <p>9.2 : Documents/drawings to be submitted for approval after the award of the order:</p> <p>The following drawings & documents shall be submitted for approval:</p> <p>GA drawing, SLD, termination details, wiring diagram and complete bill of material of the Feeder Pillar shall be submitted to OIL for approval within 45 days after placement of the order.</p> <p>9.3: Documents/drawings to be submitted along with the supply</p> <p>Four sets of the following documents shall be submitted with the supply</p> <ul style="list-style-type: none"> i. Approved GA drawing showing all details, including constructional detail and component layout for panels ii. Approved SLD & Schematic Diagram ii. Technical specification of all equipment including Manual/Catalogue/installation instructions etc iii. Bill Of Materials with technical details iv. Routine, Acceptance & Type test certificates. v. Guarantee Certificate vi. List of recommended spares with pricing and part no. for two years operation. Price will not be considered for evaluation. <p>Note: 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.</p> <p>10. Warranty:</p> <p>The goods/equipments shall be of best quality and workmanship. Feeder pillar 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 their cost during guarantee period.</p> <p>11. Payment Terms</p> <p>70% payment of the supply part shall be made after receipt of materials as per order at Duliajan. Balance 30% of supply part along with 100% of installation and commissioning charges shall be made after successful commissioning, submission of commissioning reports.</p>	
<p>ITEM NO. 20, INSTALLATION & COMMISSIONING (QTY. – 1 AU)</p> <p>Installation, Testing and Commissioning of FP: Installation, testing and commissioning includes making of RCC foundation for FP, fixing of two numbers earth electrodes, making necessary earth connection from FP to earth electrode, Termination of incoming cable at FP with proper size of gland and lugs with testing of all outgoings.</p>	

a) Foundation of feeder pillar:

RCC Foundation of Feeder Pillar shall be made by bidder on which feeder pillar shall be installed. The foundation plan & loading details, GA & structural drawing of feeder pillar shall be approved by OIL before starting of construction.

b) Earthing:

Supply and burying heavy duty, sealed CPRI approved chemical electrode with suitable backfilling chemical for soil treatment of size 80mm dia 4 mm thick 3000mm length and providing masonry enclosure size 600mmx 600mm x600mm with RCC cover plate having 2nos. metallic hooks for lifting cover and funnel type arrangement for watering pipe etc. complete as required - Minimum 2 Nos. for each feeder pillar. Value of earth resistance shall be maintained for each feeder pillar to be equal to or less than 1.0 Ohms when connected all the earth electrodes together.

NOTE:

1. Bidder, offering on behalf of OEM, shall submit copy of valid dealership certificate/authorisation letter from the OEM along with the offer.

2. The bidder shall offer for both supply & Commissioning of the Feeder Pillar.

3. The bidder or their OEM should have successfully completed supply, installation and commissioning of minimum 1 no, 415 V outdoor type Feeder Pillar consisting of ACB/MCCB's as incomer and outgoing in any central/state Govt/ PSU/Public Limited Companies during the last 5 years. Performance certificates or completion certificate from user in this effect and the details of the job carried out shall be enclosed with the offer.

4. The copy of the type test carried out on a similar type Feeder Pillar for fault level of 50 KA for 1 sec and temperature rise test certificate should be furnished along with the offer.

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

Technical Bid Checklist**Annexure-EEE**

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

NOTE: Please fill up the greyed cells only.

Response Sheet**Annexure-FFF**

Tender No.	
Bidders Name	

Bidders Response Sheet

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

NOTE: Please fill up the greyed cells only.

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

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

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

Office Seal

.....
Signature of Vendor

Counter Signed by Banker:
Seal of Bank:

Enclosure: Self attested photocopies of the following documents-

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