

Annexure-I

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

INVITATION FOR BID
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:

Tender No	Bid Closing/ Opening Date	Item & Qty
SDI2653P17/P3 DT: 04.10.2016 (SINGLE STAGE TWO BID SYSTEM)	17.11.2016	PMCC PANEL – 11 NOS
SDI2652P17/P3 DT:04.10.2016 (SINGLE STAGE TWO BID SYSTEM)	17.11.2016	HEAT EXCHANGER – 03 NOS
SDI2654P17/P2 DT: 04.10.2016 (SINGLE STAGE COMPOSITE BID SYSTEM)	17.11.2016	ICU VENTILATOR -02 NOS
SSI2628P17/P3 DT: 01.10.2016 (SINGLE STAGE COMPOSITE BID SYSTEM)	17.11.2016	TIMBERS – 2100 NOS

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. : SDI2653P17 DT: 04.10.2016

Tender Fee : Rs 1,000.00

Bid Security : Applicable

Bidding Type : SINGLE STAGE TWO BID SYSTEM

Tender Type : Open Tender

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

Performance Security : Applicable

Integrity Pact : Applicable

OIL invites Bids for **PROCUREMENT OF PMCC PANEL – QTY = 22 NOS** through its e-Procurement site under **SINGLE STAGE TWO BID SYSTEM**. The bidding documents and other terms and conditions are available at Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area -> Tender Documents

The general details of tender can be viewed by opening the RFx [Tender] under RFx and Auctions. The details of items tendered can be found in the Item Data and details uploaded under **Technical RFx**.

The tender will be governed by:

- a) For technical support on various matters viz. Online registration of vendors, Resetting of Passwords, submission of online bids etc, vendors should contact OIL's ERP MM Deptt at following: Tel Nos = 0374-2807178, 0374-2807171 , 0374-2807192. Email id = erp_mm@oilindia.in.

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

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

Vendors should contact OIL officials at above timings only.

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

- c) “General Terms & Conditions” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.
- d) Technical specifications and Quantity as per **Annexure – 1A**.
- e) The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area -> Tender Documents.
- f) Amendments to the NIT after its issue will be published on OIL’s website only. Revision, clarification, addendum, corrigendum, time extension etc. to the tender will be hosted on OIL website only. No separate notification shall be issued in the press. Prospective bidders are requested to visit website regularly to keep themselves updated.
- g) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).
- h) Bidder are advised to fill up the Technical bid check list (**Annexure EEE**) and Response sheet (**Annexure FFF**) given in MS excel format in Technical RFx -> External Area -> Tender Documents. The above filled up document to be uploaded in the **Technical RFX** Response.

Special Note:**1.0 Technical and Financial Criteria:**

In addition to the general BRC/BEC, following Technical and Financial criteria shall be considered as on the original Bid Closing Date. **(Documentary evidence to be provided along**

with the bid in Technical RFx -> External Area - > Tender Documents failing which the offer shall be rejected).

Criteria	Complied / Not Complied. Documentary evidence submitted / not submitted
a) Bidder should have experience of successfully executing at least 1 (one) similar order Rs. 44.00 Lakh in preceding 5 (five) years. Similar order is defined as experience in designing, manufacturing, testing and supply of 415 V PCC/PMCC panels with ACB/MCCB (air circuit breaker/molded case circuit breaker) in any Central Govt./Govt. PSU/Public Limited Companies during last 5 years as on the original bid closing date of this tender executed by the bidder or their OEM. Note: Bid amendment date shall not be considered as bid closing date.	
b) 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. 44.00 Lakhs	
c) Net Worth of the firm should be Positive for preceding financial / Accounting year.	

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

Note -For (b) & (c): 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’.

Note: 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-II.

OR

ii) Audited Balance Sheet along with Profit & Loss account.”

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

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

Alternatively application showing full address/email address with Tender Fee (Non-refundable) of Rs. 1,000.00 in the form of crossed "Payee Account only "Bank Draft/Bankers' Cheque drawn by Bank and valid for 90 days from the date of issue of the same or in the form of Indian Postal Orders payable to the OIL is to be sent to DGM-Materials, Oil India Limited, P.O. Duliajan, Assam-786602. Application shall be accepted only upto one week prior to the Bid closing date (or as amended in e-portal). The envelope containing the application for participation should clearly indicate "REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E TENDER NO ..." for easy identification and timely issue of user ID and password. On receipt of requisite tender fee, USER_ID and initial PASSWORD will be communicated to the bidder (through e-mail) and will be allowed to participate in the tender through OIL's e- Procurement portal. No physical tender documents will be provided. Details of NIT can be viewed using "Guest Login" provided in the e-Procurement portal. The link to e-Procurement portal has been also provided through OIL's web site www.oil-india.com.

NOTE:

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

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

3.1 Please ensure that Technical Bid / all technical related documents related to the tender are uploaded in the Technical RFx Response-> User - > Technical Bid only. The "TECHNO-COMMERCIAL UNPRICED BID" shall contain all techno-commercial details except the prices. Please note that no price details should be uploaded in Technical RFx Response.

3.2 The "PRICE BID" must contain the price schedule and the bidder's commercial terms and conditions. The prices of the items should be quoted in "Conditions Tab". Details of prices as per Bid format / Commercial bid can be uploaded as Attachment under the attachment option under "Notes & Attachments".

3.3 A screen shot in this regard is given below. Offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in [Annexure-CCC](#).

Display RFx Response:

Edit | Print Preview | **Technical RFx Response** | Close | Withdraw | Verify

RFx Response Number 60006452 RFx Number TEST2 Status Submitted
 RFx Owner WIPRO_TEST1 Total Value 0.00 INR RFx Response Version 1

RFx Information | Items | **Notes and Attachments** | Conditions

Basic Data | Questions

Event Parameters

Currency: Indian Rupee

Detailed Price Information: Price with Conditions

Terms of Payment: 9010 90% against despatch+10% after receipt

Service and Delivery Information

Incoterms
 and Statistics
 Created By
 Created Date
 Last Processed By
 Last Processed Date

▼ Partners and Delivery Information

Details | Send E-Mail | Call | Clear

Function	Number	Name	Valid from
The table does not contain any data			

Go to this Tab “Technical RFx Response” for Uploading “Techno-commercial Unpriced Bid”.

Go to this Tab “Notes and Attachments” for Uploading “Priced Bid” files.

On “EDIT” Mode- The following screen will appear. Bidders are advised to Upload “Techno-Commercial Unpriced Bid” and “Priced Bid” in the places as indicated above:

Edit RFx Response:

Submit | Read Only | Print Preview | Check | **Technical RFx Response** | Close | Save | Verify signature

RFx Response Number 60006452 RFx Number TEST2 Status Withdrawn Submission Deadline 13.04.2013 11:00:00 INDIA
 RFx Owner WIPRO_TEST1 Total Value 0.00 INR RFx Response Version Number 2 RFx Version Number 5

RFx Information | Items | **Notes and Attachments** | Conditions | Summary

▼ Notes

Add | Clear

Assigned To	Category	Text Preview
The table does not contain any data		

▼ Attachments

Sign Attachment | Add Attachment | Edit Description | Versioning | Delete | Create Qualification Profile

Assigned To	Category	Description	File Name	Version	Processor	Checked
The table does not contain any data						

Bid on “EDIT” Mode

Area for uploading Techno-Commercial Unpriced Bid*

Area for uploading Priced Bid**

Note :

* The “Techno-Commercial Unpriced Bid” shall contain all techno-commercial details **except the prices**.

** The “Price bid” must contain the price schedule and the bidder’s commercial terms and conditions. For uploading Price Bid, first click on Sign Attachment, a browser window will open, select the file from the PC and click on Sign to sign the Sign. On Signing a new file with extension .SSIG will be created. Close that window. Next click on Add Attachment, a browser window will open, select the .SSIG signed file from the PC and name the file under Description, Assigned to General Data and click on OK to save the File.

4.0 Please note that all tender forms and supporting documents are to be submitted through OIL’s e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with **Tender no.** and **Due date** to **DGM-**

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

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

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

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

6.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the NIT or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.

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

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

9.0 **SINGLE STAGE TWO BID SYSTEM** shall be followed for this tender and only the PRICED-BIDS of the bidders whose offers are commercially and technically acceptable shall be opened for further evaluation.

10.0 a) **The Integrity Pact is applicable against this tender. Therefore, please submit the Integrity Pact document duly signed along with your quotation as per BRC. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure DDD of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be submitted by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact with the offer, their bid shall be rejected straightway.**

b) **The name of the OIL's Independent External Monitors at present are as under:**

**SHRI RAJIV MATHUR, IPS (Retd.)
Former Director, IB, Govt. of India,
e-Mail ID : rajivmathur23@gmail.com**

11.0 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.

- 12.0 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.
- 13.0 Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.
- 14.0 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)
DEPUTY MANAGER MATERIALS (IP)
FOR : HEAD-MATERIALS**

Tender No & Date: SDI2653P17 DT:0 4.10.2016

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

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

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

<u>Criteria</u>	Complied / Not Complied. (Remarks if any)
<p>1.0 BID REJECTION CRITERIA (BRC):</p> <p>The bid shall conform generally to the specifications, terms and conditions given in this document. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected.</p> <p>A) COMMERCIAL:</p> <p>i) Validity of the bid shall be minimum 120 days from the Bid Closing Date.</p> <p>ii) Bid security: The bid must be accompanied by Bid Security of Rs 1,76,000.00 in OIL's prescribed format as Bank Guarantee or a Cashier's cheque or Demand Draft in favour of OIL. The Bid Security may be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender. The Bank Guarantee towards Bid Security shall be valid for 7 months from Bid closing date. (i.e. upto <u>17.06.2017</u>). Cashier's cheque or Demand Draft shall be valid for minimum 90 days or as per RBI's guidelines, drawn on “Oil India Limited” and payable at Duliajan, Assam</p> <p>Bid Security may also be paid online on or before the Bid Closing Date and Time mentioned in the Tender.</p> <p><u>If bid security in ORIGINAL of above mentioned Amount and Validity is not received or paid online within bid closing date and time, the bid submitted through electronic form will be rejected without any further consideration.</u></p>	

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

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

iii) Bids are invited under “Single Stage Two 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. Any offer not complying with the above shall be rejected straightway.

iv) Performance Security:

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

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

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

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

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

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

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

as non-responsive and rejected.

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

vii) All the Bids must be Digitally Signed using “Class 3” digital certificate with Organisation’s name (*e-commerce application*) as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3 with Organisation’s Name” digital certificate, will be rejected.

viii) Technical RFx Response folder is meant for Technical bid only. Therefore, No price should be given in Technical RFx Response folder, otherwise the offer will be rejected.

ix) 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.

(e) Maximum delivery: 9 months from the receipt of formal purchase order. Delivery more than 9 months will be rejected straightway.

2.0 BID EVALUATION CRITERIA (BEC)

The bids conforming to the terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria as well as verification of original of any or all documents/ documentary evidences pertaining to BRC, will be considered for further evaluation as per the Bid Evaluation Criteria given below.

A) TECHNICAL:

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

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) Priced bids of only those bidders will be opened whose offers are found

<p>technically acceptable. The technically acceptable bidders will be informed before opening of the "priced bid".</p> <p>iii) A job executed by a bidder for its own organization / subsidiary cannot be considered as experience for the purpose of meeting BEC.</p> <p>iv) To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.</p>	
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NOTE:

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

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TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No & Date: SDI2653P17 DT: 04.10.2016

	Complied / Not Complied. (Remarks if any)
<p><u>ITEM NO. 10</u></p> <p><u>PROCUREMENT DESIGN, ENGINEERING & MANUFACTURE, SUPPLY AND TESTING OF 415 V, 3 PHASE, 3 WIRE, 50 HZ POWER AND MOTOR CONTROL CENTRE (PMCC) PANELS AT PRODUCTION-OIL AND PRODUCTION-GAS INSTALLATIONS OF OIL INDIA LIMITED, DULIAJAN, ASSAM OF LT PMCC PANELS (WHS) FOR GENERATOR SHED - QTY = 11 NOS</u></p> <p>TECHNICAL EVALUATION SHEET SHALL BE FILLED IN TABULAR FORM (AS GIVEN IN "ANNEXURE-II") AND ALL THE DETAILS SHALL BE FILLED CAREFULLY AS TECHNICAL SCRUTINY SHALL BE CARRIED OUT STRICTLY WITH RESPECT TO THE SHEET.</p> <p>Technical Specification for LT PMCC Panel for WHS</p> <p>Contents:</p> <ol style="list-style-type: none"> 1. Technical particulars <ol style="list-style-type: none"> i. Introduction ii. Motor feeder requirement iii. Panel features iv. Busbars and Bus chambers v. MCCB -Molded Case Circuit breaker vi. Metering and indication instruments vii. Panel wiring and Identification viii. Earthing ix. Cable entry and Termination x. Make of the components xi. Nameplate xii. Important Points 2. Drawings and documents 3. Spares 4. Guarantee 5. Testing and Inspection 6. Scope of supply 7. Packing & Transportation 8. Technical Checklist 9. Special Notes 1. Technical particulars <ol style="list-style-type: none"> i. Introduction <p>The nos. of feeders and starters for the LT PMCC panel including the incomers is given in the Annexure-I (Table-A).</p> 	

System basic design data:

Rated Service Voltage- 690 V

Rated operational voltage- 415 V

Max- Min. ambient temp- 40/5 deg. Celsius

Humidity - 98% Max.

Altitude- 100 m above MSL

a) There will be two incomers with 690V (Ue), 800V (Ui), 25kA Icu (ICu=Ics) rated breaking capacity or above, three pole plug-in type molded case circuit breaker(MCCB), Incomer minimum rating : 125 A.

b) Separate Earth leakage module shall have range of 0.03-3.0 Amps and 0- 3 seconds, both current and time in adjustable steps. A CBCT + EL module combination (for MCCBs) or a separate, but MCCB mountable EL module. The MCCBs shall conform to IEC 60947/IS 13947-2, tropicalized to Class-II (high humidity).

ii. Motor feeder requirement

a) Various starters and feeders shall be housed in individual cubicles. Components shall be mounted on sheet steel base and all apparatus shall be suitable for front removal.

b) All starters/feeders shall have suitably rated MCCBs as incomers.

c) Starters below 12.5 HP shall be DOL starting.

d) Earth leakage module shall have range of 0.03-3.0 Amps and 0- 3 seconds, both current and time in adjustable steps. A CBCT + EL module combination (for MCCBs) or a separate, but MCCB mountable EL module.

e) Starter panel components like MCCBs, contactors, overload relays, RCBOs etc. shall conform to IEC60947-2/IS: 13947-2 and IS: 12640. All starter/feeders shall be provided with Type II protection.

f) For starter panels only- Motor Starter magnetic contactor/s and adjustable thermal overload relay

iii. Panel features

a) Panel shall be single front, extensible type, sheet steel clad, self-supporting and with integral base channel, cubicle type, indoor, dust and vermin protected.

b) Panel shall be placed at a height of not more than 0.4m from the ground and supported by suitable stands with suitable grouting arrangement.

c) Panel should have a rain protective hood made out of the same material as the enclosure of minimum 3mm thickness

d) It shall contain copper bus bars and individual motor starter/feeder panels suitable for operation from front side.

e) Frames shall be made from suitably sized rigid framework of steel formed angles and channels and 2 mm thick CRCA sheet steel.

f) Cubicles shall have individual front doors with sturdy hinges.

g) Panel shall have horizontal main copper busbars with alternate vertical copper busbar and cable alleys for proper distribution of panels.

h) The PMCC panel shall be thoroughly cleaned and chemically pre-treated for rust/grease removal and phosphate coating in a minimum seven tank chemical treatment process. After chemical treatment, the panel shall be powder coated/polished with epoxy resin based powder and stoved in a stoving oven. Coating (dry film) thickness shall be 50 micron minimum as per IS: 13871-2006. Finish shall be glossy.

i) Colour of the PMCC panel shall be light grey to IS: 5 of 2007.

- j) Danger plates (415 VAC) shall be fixed on both front and rear of panel including the busbar chambers.
- k) Panel and its components shall be conforming to IS: 8623, 8828, 13947 and 12640 & IEC: 60947 & 60439-1. Protection shall be as per IP-54.
- l) Component layout shall be designed for maximum heat dissipation.
- m) Cable alleys shall be provided for incoming and outgoing cables with labeled terminal blocks and fixing arrangement of cables.
- n) The panel doors shall have door latches suitable for latching in one turn only. Lifting hooks shall be provided.
- o) Special non-deteriorating Neoprene rubber gaskets shall be used in doors and as and where required.
- p) Adequate insulated barriers between the bus chamber and feeder shall be provided to achieve Form-2 separation as per IEC 439-1.
- q) Vertical cable alleys with sturdy supports for carrying weight of vertically run PVCA cables will be placed next to the panels. The cable alleys will house sufficiently rated TBs. The cable alleys and vertical busbars shall be on either side of the panels.
- r) Wiring cables from panel to door shall be protected with heavy duty PVC spiral binding.
- s) All the hardware should be of high tensile steel duly zinc passivized for corrosion protection & fitted with proper sized heavy duty spring washer & two nos. heavy duty flat washers as per relevant IS.
- t) Sufficient space should be provided for proper glanding, dressing, connecting up and maintenance of cables. Adequate space should be provided for connecting the cable leads to the terminal blocks.
- u) Suitable cable supporting arrangement shall be provided inside the cable alleys to firmly grip the cables connected to the terminal blocks of the outgoing feeders.
- v) All hinged doors shall be earthed with copper flexible loops / braids as per IS-3043.
- w) Limiting dimensions of the PMCC panel are 3000 mm (width) x 700 mm (depth/thickness) x 2000 mm (height). Minimum working height shall be 300 mm. However, minor deviation regarding size can be accepted after discussion with OIL.

iv. Busbars and bus chambers

- a) Bus chamber shall be steel clad having front and rear bolted covers.
- b) The busbars shall consist of 1 set of hard drawn, high conductivity, three phase, electrolytic grade, virgin COPPER bars of purity 99.99% or better ,supported at sufficient intervals on non-hygroscopic, non-inflammable glass reinforced plastic (GRP)/sheet molding compound (SMC) supports.
- c) Busbars shall be , rated minimum 250 Amps, rated to withstand short circuit fault currents of 25 KA for 1 second.
- d) The busbar individual phases shall be colour coded for easy identification.
- e) Main busbars shall be full length of the panel. Vertical bus bars for feeding individual starter/feeder shall be full height of the panel. Sufficient clearance shall be maintained in the bus chamber for proper cooling of the busbar.

v. MCCB

- a) Each feeder/motor starter cubicle shall be provided with one no. three pole MCCB thermal magnetic type.
- b) For feeder panels also, threepole MCCBs shall be used with identical capacity and type.
Rated operational voltage : 690 V(Ue)
Rated insulation voltage : 800V(Ui), min.
Ultimate Breaking capacity : 25 kA
- c) The MCCBs should have Rotary Handle operating mechanism. The MCCB handles shall

- also project outside the panel doors enabling breaker operation from outside the panel.
- d) All MCCB used shall be suitable for positive isolation requirement as per IEC 60947-2.
 - e) All MCCB Operating handles shall be accessible for operation without opening the cubicle door. The handles will be interlocked with doors, i.e., unless MCCB is in OFF position, door cannot be opened.
 - f) MCCB incoming terminals are to be provided with insulating barrier so that once the door is opened, no live part is exposed.

vi. Metering & Indication instruments.

- a) 01 no.- Digital multifunction meter indicating Voltage, Current, Frequency, Power factor, Power and Energy with RS-485 capability. The multi-function meter shall also have function for maximum demand (maximum demand indicator).
- b) 03nos.- Current transformers
x/5, 15 VA, Class 1
x/1, 15VA, Class 5P10
(CT Primary ratio 'x' can be as per feeder rating) Wire Wound, refer to IS-2705.
- c) For starter panels only- Ammeter (accuracy class 1.0), directly mounted for starters below 10 HP.
- d) 08 nos.- LED indication lamps for indication of 'Supply ON' (for R/Y/B phases), 'CB Off/CB On/Trip-OC/Trip-SC/Trip-EF'
- e) As required- Adequately rated MCBs/Molded HRC fuse holders with suitably rated fuse links for control circuit and instrument circuit protection;

vii. Panel wiring & Identification

- a) All internal wiring and cabling inside the MCC starter panels shall be done with 1.1 KV grade fire retardant PVC insulated tinned copper multi-stranded flexible cables with proper lugs.
- b) All wires and cable shall have proper ferrule numbers for easy identification.
- c) Ring lugs shall be used at all critical connections such as CT connections. No more than two wires or lugs may be attached under any one screw.
- d) All control & CT wiring should be terminated on suitable TBs.
- e) All terminal strips to have minimum 2 nos. spare terminals to accommodate any modification required during commissioning / operation. All terminal strips shall be accessible for testing and troubleshooting/maintenance.
- f) All control wiring inside the panels shall be done with single core, fire retardant multi-stranded flexible copper PVC insulated (1100 V) wire, 1.5 sq.mm for potential circuits and 2.5 sq.mm for current circuits.
- g) Control wires shall be properly identified with ferrule numbers and suitably terminated with proper sized lugs; cable make- Finolex/Havells/Henley/Nicco/Reputed brand.

viii. Earthing

- a) A 50 x 6mm 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 GI strip shall be same as panel length.
- b) Zinc plated and passivized double earthing studs with nuts, bolts and washers shall be provided on the earthing strips.
- c) The panel GI strap shall have provision with fasteners for connection to external earth electrodes with suitably sized GI strap.

ix. Cable entry and Termination

- a) Zinc passivized nut bolts with flat and spring washers for connection shall be provided for

cable termination (1 no. of 3.5x70 sq mm LT PVCA copper cable for incoming supply for each incomer, depending on incomer current rating).

b) The vertical distance between the centre of connection hole in the links for cable connection and the bottom gland plate shall be minimum 450 mm.

c) Detachable gland plate shall be provided which shall be suitable for fixing two/three nos. of cable glands of the size mentioned.

d) Suitable SS/brass material, NiCd plated single compression cable glands shall be provided in the panels.

e) Gland sizes shall be provided by OIL during detailed engineering/drawing approval. Gland plates (3 mm thick) with suitable size knockouts shall be provided.

x. Make of the components

- Information on Main components of individual starter/feeder panels (other than main panel incomers) can be found in the attachment –Annexure-I (Table B).

- Information on Make & Model/Rating can be found in the attachment –Annexure-I (Table C).

xi. Nameplate

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

xii. Important Points

To be considered while designing the starter/feeder panels:

i. All MCCBs shall have provision for padlocking and shall be provided with suitable locks with two keys for each lock.

ii. MCCBs, contactors, overload relays shall be of one make only. However, earth leakage relays, CBCT etc. may be of different make than contactors/OLR etc. CBCT and sensing earth leakage relay shall be compatible and from the same manufacturer.

iii. One rating of components shall be used for a range of starters (e.g., one rating of contactors in all starters up to 20 HP, but suitable range of overload relay to match the panel rating). All device selection shall take motor starting current into consideration.

iv. For hazardous areas, 3 phase 3 wire connection shall be used including lighting loads (through lighting transformer).

v. Outgoing cables/bus links from the individual panels shall be terminated in individual TBs mounted in cable alleys. TBs shall be covered/separated with insulation barriers.

2. Drawing and documents

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

a) Confirmation that the offered panels shall conform to all the points of the tender. Any deviation from the tender specs must be clearly mentioned with technical justifications. In case of an order on the party complete tender specs and the deviations accepted by OIL in writing shall only be mentioned in the order.

b) Copy of test certificates from CPRI or any govt. approved NABL accredited test laboratory for:

(i) Busbar rated 1000 Amps or above for fault level of 50kA for 1 second

(ii) Copy of test certificate for busbar rated 1000 Amps or above for temperature rise

(iii) Copy of test certificate for panels with ingress protection of minimum IP 54

c) Indicative general arrangement and layout drawing of the panel

d) Indicative schematic and single line diagram of the panel

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

f) Credentials of bidder showing minimum 05 (five) years experience in design, fabrication and testing of LT PMCC Electrical Panels with ACBs and MCCBs to be reckoned from the original stipulated bid closing date of the tender. During these years bidder should have executed at least 1 (one) similar order for minimum rs.44.00 Lakhs in any Govt./semi-govt./ PSUs/public limited companies.

g) Credentials of Bidder having minimum seven tank anti rust treatment system and powder coating facility for treatment and painting of sheet metal works for durability. Tank sequence: degreasing, water rinse, de-rusting, water rinse, activation, phosphating, water rinse, passivation.

h) Indicative bill of materials with offered spares list and prices of spares

i) Filled up technical check list and technical evaluation sheet.

k) General Quality Assurance Plan of the manufacturing process of the OEM

ii. In the event of an order complete tender specifications and the deviations accepted by OIL in writing shall be mentioned in the order. The following drawings shall be submitted by the party within 30 days after the receipt of LOA/PO:

(a) Detail foundation drawing,

(b) Drawing of panel showing termination details

(c) Full wiring diagram

(d) Component layout diagram

(e) Complete bill of material

(f) Catalogues of components

(g) Order specific Quality assurance plan

(h) List of operational spares

(i) Any other drawings/documents not mentioned here

These drawings must be submitted to OIL for approval within 30 days after placement of order. OIL shall modify/correct drawings as necessary. The manufacturing of panels shall start only after approval of the drawings by OIL.

iii. Inspection and testing details of each and every component shall be elaborately given in the order specific QAP.

iv. Three nos. spiral bound sets of the following documents, drawings and literatures are to be supplied with the panels, for each panel:

(i) General arrangement, foundation, schematic diagram and wiring diagrams ("as built")

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

(iii) Guarantee Certificate

(iv) Technical Catalogues/manuals of Air circuit breakers, Molded Case Circuit Breakers, soft starter units, starter components and Digital Meters

(v) Bill of Materials with part description, part nos. and details of items/components

3. Spares

NOTE: The cost of the spares should be included in main item. Spares to be quoted along with panel for each line item. However price break up of the same to be uploaded in "Notes & Attachment" in price schedule.

Bidder shall also include in their scope of supply the operational spares for the panel components with their offer for panels. The spares will be exact replacement with the full rating, make and model of the units fitted in the panel.

List of minimum indicative spares (total nos. to be supplied with the panels as per OIL approved Bill of Materials):

i. Main panel Incomer MCCB (125 A)– 6 (six) nos.

ii. All other outgoing feeder/starter panel MCCBs- 6 (six) nos. of each rating (100/63/32A)

iii. Contactors- 12 (twelve) nos. of each rating/size (10/5 HP DOL starters)

- iv. Overload relays-12 (twelve) nos. of each rating/size (10/5 HP DOL starters)
- v. CBCT- 4 (four) nos. of each rating/size/type
- vi. ELR (in conjunction with CBCT) -6 (six) nos. of each rating/size/type
- vii. Ammeters and CTs- 6 (sixteen) nos. of each rating and size
- viii. Remote local selector switch and local start/stop switch- 4 (four) nos. of each rating/size/type
- ix. ON/OFF/OVERLOAD/Other types LED indication lamps with low voltage glow protection-12 (twelve) nos. each colour/type
- x. Control MCBs -12 (twelve) nos. of each rating.
- xi. One set of operating tools required to operate/maintain all the items installed in the panel like box wrench set, screw driver set etc. Standard electrician's tool kits from reputed firms like RS-Components, Stanley etc. are to be supplied.

If felt necessary, bidder may include further items in the above spares list and quote the prices for these accordingly. Prices of the spares shall be shown separately and these will be included for price evaluation/comparison of the bids. In the event of an order, final list of spares to be supplied shall be approved by OIL, after drawing approval.

4. Guarantee

The LT panel and all parts must be guaranteed with all its components for a period of 12 months after supply. Supplier will arrange for repair/ replacement, as required by OIL, of defective parts within one month of reporting of the failure by OIL. This will be at no extra cost to OIL.

5. Testing and inspection

- i. Panel shall be duly tested as per IS: 8623 at manufacturer's works and routine test certificate shall be submitted at the time of pre-despatch inspection.
- ii. In addition to the routine tests as per IS, OIL representative shall carry out pre-despatch inspection of the panel and witness all necessary testing at manufacturer's works.
- iii. Panel shall be tested as per the following details for witness testing by OIL's representative:
 - a) Accuracy of dimensions & circuitry as per approved drawings. Joints of busbar and links shall be checked for proper contact area.
 - b) Inspection of the assembly including inspection of wiring and mechanical/electrical operation of components and starters/feeders
 - c) Dielectric (insulation) tests
 - d) Checking of protective measures and of the electrical continuity of the protective circuit
 - e) Secondary Injection test for Incomer breakers

iv. Any alteration/modification requirements pointed out during the inspection shall be carried out by the manufacturer at no extra cost to OIL and confirmed before dispatch, without which dispatch clearance shall not be given.

v. In case routine test parameters are found to be outside acceptable values, modifications shall be carried out and routine tests on the panel shall again be performed with no extra cost to OIL.

vi. Copies of the test certificates along with bound copies of complete test results (after acceptance) shall be submitted for approval of OIL prior to dispatch of the PMCC.

vii. Bidders shall separately quote charges towards inspection and witness test, if any. [To and fro charges of OIL's personnel to manufacturer's works will be to OIL's account].

6. Scope of supply:

- a) The supplied panel should comply with complete specifications (as mentioned in the tender-detailed specifications)

- b) Full sets of spares and tools as per OIL's approved list
- c) "As-Built" drawings (Schematic and SLD), technical brochures & operation and maintenance manuals of all items, catalogues, test report etc. 3(three) copies for each panel.

7. Packing & Transportation

Material should be adequately packed to avoid damage and ingress of water during transit. OIL's PO no. and date shall be embossed/engraved on the panel. All items of the offered panel must be as per IS/ IEC (with latest amendments)

8. Technical Checklist

The technical check list must be completed and returned with the offer with bidder's comment as per format given in Annexure-I(Table-D) as attachment. Bidder is to ensure that all the points are covered in the offer. This will ensure proper evaluation of the offer.

9. Special Notes

a) Offer shall be complete in all respect to meet the technical specifications and general notes of the tender.

b) Bidder shall be a panel manufacturer/channel partner/authorized dealer of 415 VAC PCC/PMCC panels/switchboards. Bidders quoting on behalf of OEM shall submit copy of valid dealership certificate/authorization letter/certificate of channel partnership from the OEM along with the offer.

c) The bidder shall have experience of successfully executing at least 1 (one) similar order for Rs. 44.00 Lakhs in preceding 5 (five) years.

Similar order is defined as experience in designing, manufacturing, testing and supply of 415 V PCC/PMCC panels with ACB/MCCB (air circuit breaker/molded case circuit breaker) in any Central Govt./Govt. PSU/Public Limited Companies during last 5 years as on the original bid closing date of this tender executed by the bidder or their OEM.

Note: Bid amendment date shall not be considered as bid closing date.

d) To support the above points (b)&(c) the following documentary evidence shall be furnished with the offer such as certificate of incorporation, valid dealership/authorization certificate, copy of purchase order with excise invoice copy/ performance certificate/completion certificate related to design, manufacturing and supply of panels and other necessary details like test certificates etc.

e) Availability of manufacturing/fabrication facility with adequate testing/quality of assurance facility as per applicable codes, if required, considering the nature of items.

f) All items shall be procured from the same source/vendor.

g) Prices of spares shall be shown separately and they will be considered for price evaluation/comparison of bids.

h) Final evaluation of suitable offers shall be based on the total price of panels and price of spares.

i) Bidder shall deliver the PMCC panels within 9 months of the issue of LOA/Purchase Order.

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ITEM NO. 10 PMCC PANEL FOR GENERATOR HOUSE

SL. NO. INCOMER/STARTER/ FEEDER PANEL CAPACITY/ MOTOR/LOAD
(HP/A) QTY. (NO.) PANEL CAPACITY (HP) REMARKS

1 Incomer MCCB panel 125 A 2 -

2 Outgoing feeder panel 63 A 3 - MCCB with CBCT + EL module combined or a separate

3 Outgoing feeder panel 32 A 2 - MCCB with CBCT + EL module combined or a separate

<p>4 Outgoing starter panel 10 HP 2 10HP Incomer MCCB shall be minimum 100 A. DOL starters shall be used with remote/local s/switch.</p> <p>5 Outgoing starter panel 5 HP 2 5 HP</p> <p>6 Outgoing feeder panel 32 A 1 - 4 way MCB DB</p> <p>All the above starters shall have remote/local selector, as these will be operated remotely with the push button stations near the load.</p> <p>ITEM NO. 20 PMCC PANEL FOR BOILER SHED</p> <p>SL. NO. INCOMER/STARTER/ FEEDER PANEL CAPACITY/ MOTOR/LOAD (HP/A) QTY. (NO.) PANEL CAPACITY (HP) REMARKS</p> <p>1 Incomer MCCB panel 63 A 2 -</p> <p>2 Outgoing feeder panel 32 A 1 - MCCB with CBCT + EL module combined or a separate</p> <p>3 Outgoing starter panel 5 HP 2 5 HP Incomer MCCB shall be minimum 100 A. DOL starters shall be used with remote/local s/switch.</p> <p>4 Outgoing feeder panel 32 A 1 - 4 way MCB DB</p> <p>All the above starters shall have remote/local selector, as these will be operated remotely with the push button stations near the load.</p>	
<p><u>ITEM NO. 20</u></p> <p><u>PROCUREMENT DESIGN, ENGINEERING & MANUFACTURE, SUPPLY AND TESTING OF 415 V, 3 PHASE, 3 WIRE, 50 HZ POWER AND MOTOR CONTROL CENTRE (PMCC) PANELS AT PRODUCTION-OIL AND PRODUCTION-GAS INSTALLATIONS OF OIL INDIA LIMITED, DULIAJAN, ASSAM OF LT PMCC PANELS (WHS) FOR GENERATOR SHED - QTY = 11 NOS</u></p> <p>ITEM DETAILS AND SPECIFICATION SAME AS ITEM NO. 10</p>	

ITEM NOTE:

1. The following documents shall be submitted with the bid for scrutiny:

i. Confirmation that the offered panel shall conform to all the points of the tender. Any deviation from the tender specs must be clearly mentioned with technical justifications. Acceptance of deviations shall be entirely at the discretion of OIL. In case of an order on the party complete tender specifications and the deviations accepted by OIL in writing shall only be mentioned in the order.

ii. Test certificates as follows- the certificates will have to be issued by CPRI or any government approved/NABL accredited test laboratory:

- a) Copy of test certificate for busbar rated 1000 Amps or above for fault level of 50kA for 1 second**
- b) Copy of test certificate for busbar rated 1000 Amps or above for temperature rise**
- c) Copy of test certificate for panels with ingress protection of minimum IP 54**

iii. Indicative general arrangement and layout drawing of the panel

iv. Indicative schematic and single line diagrams of the panel

v. Credentials of bidder showing minimum 05 (five) years experience in design, fabrication and testing of LT PMCC Electrical Panels with ACBs and MCCBs to be reckoned from the original stipulated bid closing date of the tender. During these years bidder should have executed at least 1 (one) similar order for minimum 50% of the present tender value in any Govt./semi-govt./ PSUs/public limited companies.

- vi. Credentials of Bidder having minimum seven tank anti rust treatment system and powder coating facility for treatment and painting of sheet metal works for durability.
- vii. Indicative bill of materials with spares list and prices of spares
- viii. Filled up technical check list and technical evaluation sheet.

In the event of an order, successful bidder shall submit fresh sets of detailed drawings (as mentioned above) within one month of placement of order which shall be approved by OIL before actual assembly/ manufacturing of the PMCC panels.

2. Offered panels must be new and in unused condition. No reconstructed/ rebuilt panels will be acceptable.

3. Components used in the PMCC panels shall be of makes (as given in the detailed description) and easily available. Bidder shall submit Bill of Materials (including any additional item to the item list given in the detailed description, if considered essential). Bidder shall also supply all spares essential for installation and commissioning of the PMCC panels at the designated site of OIL.

4. Bidder shall also include in their scope of supply the operational spares for the panel components with their offer for panels. The quantities of the spares for the panels has been listed in the description.

The spares will be exact replacement with the full rating, make and model of the units fitted in the panel. Prices of the spares shall be shown separately and these will be included for price evaluation/comparison of the bids. In the event of an order, final list of spares to be supplied shall be approved by OIL, after drawing approval.

5. Bidder shall mention any deviations or other items/ points not indicated /included in the specifications but deemed necessary for design, Installation and commissioning, efficient control and operation of the PMCC panels. However, proper justification for deviation must be given.

6. OIL representatives shall carry out pre-despatch inspection of panels and witness all necessary testing at manufacturer's works. Bidders shall separately quote charges towards inspection and witness test, if any. [To and fro charges of OIL's personnel to manufacturer's works will be to OIL's account].

7. Routine Test certificates/reports for the PMCC panels carried out at manufacturer's works as per relevant IS shall be submitted at the time of final inspection by OIL's representative failing which despatch clearance will not be given.

8. PMCC panels shall be guaranteed for 12 (twelve) months from the date of supply.

9. Supplier shall submit "As-Built" drawings [3 (three) copies for each panel] for the PMCC panels before handing over the same to OIL. In addition, supplier shall also submit technical brochures & operation and maintenance manuals of all items used in the panels.

10. Packing shall be done properly to avoid transit damage and water/ moisture ingress.

Annexure-I

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

INVITATION FOR BID
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:

Tender No	Bid Closing/ Opening Date	Item & Qty
SDI2653P17/P3 DT: 04.10.2016 (SINGLE STAGE TWO BID SYSTEM)	17.11.2016	PMCC PANEL – 11 NOS
SDI2652P17/P3 DT:04.10.2016 (SINGLE STAGE TWO BID SYSTEM)	17.11.2016	HEAT EXCHANGER – 03 NOS
SDI2654P17/P2 DT: 04.10.2016 (SINGLE STAGE COMPOSITE BID SYSTEM)	17.11.2016	ICU VENTILATOR -02 NOS
SSI2628P17/P3 DT: 01.10.2016 (SINGLE STAGE COMPOSITE BID SYSTEM)	17.11.2016	TIMBERS – 2100 NOS

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.

ANNEXURE-I

Table-A Panel Feeder List

ITEM NO. 10 PMCC PANEL FOR GENERATOR HOUSE

SL. NO.	INCOMER/STARTER/ FEEDER PANEL	CAPACITY/ MOTOR/LOAD (HP/A)	QTY. (NO.)	PANEL CAPACITY (HP)	REMARKS
1	Incomer MCCB panel	125 A	2	-	
2	Outgoing feeder panel	63 A	3	-	MCCB with CBCT + EL module combined or a separate
3	Outgoing feeder panel	32 A	2	-	MCCB with CBCT + EL module combined or a separate
4	Outgoing starter panel	10 HP	2	10HP	Incomer MCCB shall be minimum 100 A. DOL starters shall be used with remote/local s/switch.
5	Outgoing starter panel	5 HP	2	5 HP	
6	Outgoing feeder panel	32 A	1	-	4 way MCB DB
All the above starters shall have remote/local selector, as these will be operated remotely with the push button stations near the load.					

ITEM NO. 20 PMCC PANEL FOR BOILER SHED

SL. NO.	INCOMER/STARTER/ FEEDER PANEL	CAPACITY/ MOTOR/LOAD (HP/A)	QTY. (NO.)	PANEL CAPACITY (HP)	REMARKS
1	Incomer MCCB panel	63 A	2	-	
2	Outgoing feeder panel	32 A	1	-	MCCB with CBCT + EL module combined or a separate
3	Outgoing starter panel	5 HP	2	5 HP	Incomer MCCB shall be minimum 100 A. DOL starters shall be used with remote/local s/switch.
4	Outgoing feeder panel	32 A	1	-	4 way MCB DB
All the above starters shall have remote/local selector, as these will be operated remotely with the push button stations near the load.					

TABLE-B

Main components of individual starter/feeder panels (other than main panel incomers)

Starter panel components (including soft starter panels)	Feeder panel components
<ul style="list-style-type: none">• Cubicle incomer MCCB (as isolator/main switch)• CBCT+ELR combination or earth leakage module• Magnetic contactors (for DOL starters)• Thermal overload relay• Remote/local selector switch• Local on/off (start/stop) pushbuttons• Ammeter (digital, accuracy class 1.0)• CT, where required (accuracy class 5P10)• Control MCBs and/or fuse holder/base• LED indication lamps for motor on/off/trip status	<ul style="list-style-type: none">• Incomer MCCB• CBCT+ELR combination or earth leakage module• Ammeter (digital, accuracy class 1.0 through CT)• LED indication lamps for feeder on/off/trip status

TABLE-C

Name of component	Make Model /Rating	
Main panel incomer MCCB (say for 125 A range) thermal+magnetic (where MCCB as incomer is mentioned)	:Schneider Electric (Compact NSX with thermal magnetic trip unit TMD)/ Legrand(DPX 250 thermal magnetic)/ Siemens (Sentron 3VT1) /ABB (Tmax T1C) /HPL/L&T.	
Digital multifunction meter	: Secure (Elite) / Siemens (PAC 3100)/ HPL-Socomec (Diris A40)/Schneider (EM 6400 accuracy 0.5)	
Incomer MCCB (for individual cubicles) thermal+magnetic	: Schneider Electric (Compact NSX with thermal magnetic trip unit TMD)/ Legrand (DPX 250 thermal magnetic)/ Siemens (Sentron 3VT1) /ABB (Tmax T1C) /HPL/L&T.	
RCBO	:Schneider Electric/Legrand/Siemens/GIC	
CBCT+ELR combination	:Schneider Electric (RH 197P+GA300 etc.)/ Legrand (0260 88+ 0260xx series)/GIC	
Magnetic contactor (for DOL starters)	:Schneider Electric (TeSys series)/Siemens (3RT series)/ ABB (AXX series)	
Thermal overload relay	:Schneider Electric/Siemens/ABB	
Local on/off (start/stop) PBS	:Kaycee/L&T/Recom	
Remote/local selector switch	:Siemens/L&T/Kaycee/Teknik/ABB	
Ammeter (digital)	:AE/Rishabh/L & T/Schneider	
CT, where required	:AE/Kappa/Siemens	x/5, 15 VA, Class 1 x/1, 15VA, Class 5P10 (CT Primary ratio 'x' can be as per feeder rating) Wire Wound, refer to IS-2705
LED indication lamps for on/off/trip status	:L&T/BCH/ Teknik/Siemens/ Schneider/ ABB/Binay	(As per voltage rating, all with LVGP)
Control MCBs	:Schneider/Legrand/ABB/ Siemens/L&T/HPL	('C' Curve)
Fuse/fuse holder	GE/ Schneider/Bussman	

TABLE-D

Technical Checklist

Sl. No.	Points	Remarks (Yes/No/Agree)
1	Are you a panel manufacturer of 415 VAC PCC/MCC/PMCC panels with ACB/MCCB and channel partner/dealer of switchgear manufacturer or have you quoted on behalf of OEM of panels? Please note: Bidders quoting on behalf of OEM of panels has to submit valid authorization certificate from the OEM along with the offer.	
2	Have you submitted experience credentials for having successfully supplied at least 2 (two) nos. of PCC/MCC/PMCC panel with ACB/MCCBs to Central Govt./State Govt./ PSU/Public limited companies in the last 5 (five) years as on bid closing date?	
3	Have you submitted type test certificates for the following tests for your designed and supplied PCC/MCC/PMCC panels as per IS: 8623 (with latest amendments) from a test house/ laboratory accredited by National Accreditation Board for testing and calibration Laboratories (NABL), India. (a) Short time current withstand test (50 kA for 1 second) (b) Ingress Protection up to IP 54 (c) Temperature rise for busbars with ratings 1000 Amps or above	
4	Have you offered spares as per NIT along with the panels with prices? Please note that spares as per NIT list are mandatory and prices of spares will be used for evaluation of offer.	
5	Have you submitted full technical specifications for the PMCC and accessories, indicative dimensional/GA and layout drawings of PMCC, indicative wiring diagram, QAP, Bill of Materials and datasheets of all the components used in the PMCC along with the quotation?	
6	Do you agree for pre-despatch inspection? Please note that routine test certificates etc. are to be submitted at the time of final inspection, failing which dispatch clearance will not be given.	
7	Have you offered guarantee for 12 (twelve) months from the date of supply for the offered panels?	
8	Have you mentioned any deviations or other items/ points not indicated /included in the specifications but deemed necessary for design of the PMCC?	

ANNEXURE-II

TECHNICAL EVALUATION SHEET

Sr. No	Clause No. Of Technical Specification	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	1.i	Introduction		
2	1.ii	Motor feeder requirement		
3	1.iii	Panel features		
4	1.iv	Busbars and Bus chambers		
5	1.v	MCCB -Molded Case Circuit breaker		
6	1.vi	Metering and indication instruments		
7	1.vii	Panel wiring and Identification		
8	1.viii	Earthing		
9	1.ix	Cable entry and Termination		
10	1.x	Make of the components		
11	1.xi	Nameplate		
12	1.xii	Important Points		
13	2	Drawings and documents		
14	3	Spares		
15	4	Guarantee		
16	5	Testing and Inspection		
17	6	Scope of Supply 1.Complete panels with the specifications as mentioned in the detailed specifications of PO 2. Lighting cubicle box (one with each panel) 3. Full sets of spares and tools as per OIL's approved list 4. "As-Built" drawings (Schematic and SLD), technical brochures & operation and maintenance manuals of all items, catalogues, test report etc., 3(three) copies for each panel.		
18	7	Packing & Transportation		
19	8	Technical Checklist		
20	9	Special Notes		
21	9.(a)	Offer shall be complete in all respect to meet the technical		

		specifications and general notes of the tender		
22	9.(b)	Bidder shall be a panel manufacturer/channel partner/authorized dealer of 415 VAC PCC/PMCC panels/switchboards. Bidders quoting on behalf of OEM shall submit copy of valid dealership certificate/authorization letter/certificate of channel partnership from the OEM along with the offer.		
23	9.(c)	<p>The bidder shall have experience of successfully executing at least 1 (one) similar order for 44 lakhs of the estimated value in preceding 5 (five) years.</p> <p>“Similar order” is defined as experience in designing, manufacturing, testing and supply, of 415 V PCC/PMCC panels with ACB/MCCB (air circuit breaker/molded case circuit breaker) in any Central Govt./Govt. PSU/Public Limited Companies executed by the bidder or their OEM during last 5 years to be reckoned from the original stipulated bid closing date of the tender.</p> <p>Note: Bid amendment date shall not be considered as bid closing date.</p>		
24	9.(d)	To support the above points (b)&(c) the following documentary evidence shall be furnished with the offer such as certificate of incorporation, valid dealership/authorization certificate, copy of purchase order with excise invoice copy/ performance certificate/completion certificate/ related to design, manufacturing and supply of panels and other necessary details like test certificates etc.		
25	9.(e)	Availability of manufacturing/fabrication facility		

		with adequate testing/quality of assurance facility as per applicable codes, if required, considering the nature of items.		
26	9.(f)	All items shall be procured from the same source/vendor.		
27	9.(g)	Prices of spares shall be shown separately and they will be considered for price evaluation/comparison of bids.		
28	9.(h)	Final evaluation of suitable offers shall be based on the total price of panels and price of spares		
29	9.(i)	Bidder shall deliver the PMCC panels within 9 months from receipt of formal P.O.		

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

Sl 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.