

ANNEXURE-I

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

INVITATION FOR LOCAL COMPETITIVE BID

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

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

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

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



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

TELEPHONE NO. (91-374) 2808719

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

FORWARDING LETTER

Tender No. : SDI1626P17 Dt. 01.07.2016

Tender Fee : Rs 1,000.00

Bid Security : Applicable

Bidding Type : SINGLE STAGE COMPOSITE BID SYSTEM

Tender Type : Open Tender

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

Performance Security : Applicable

Integrity Pact : Not Applicable

OIL invites Bids for **Supply, Installation & Commissioning of Street Lighting Control DB** through its e-Procurement site under **SINGLE STAGE COMPOSITE BID SYSTEM**. The bidding documents and other terms and conditions are available at Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area -> Tender Documents

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

The tender will be governed by:

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

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

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

Vendors should contact OIL officials at above timings only.

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

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

Special Note:

1.0 Technical and Financial Criteria:

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

Criteria	Complied / Not Complied. Documentary evidence submitted / not submitted
a) 1) The bidder should have experience of supplying, installation, testing and commissioning of LT panel/Feeder Pillar/Street Light Distribution Box of minimum value of Rs.4.56 Lakhs in any Central Govt/ State Govt/ PSUs during last 5(Five)as on bid closing date. The bidder should submit documentary evidence in support of their offer like purchase order/ works order with detailed scope of work and completion certificate/ performance certificate along with bid.	
b) Annual financial turnover of the firm in any of the preceding 3 financial years should not be less than Rs. 4.56 Lakhs.	
c) Net Worth of the firm should be Positive for preceding financial / accounting year.	

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

relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory execution of each of the purchase orders cited above. For Annual financial turnover enclose the audited Annual Report , Balance Sheet and Profit and Loss Account certified by a chartered accountant.

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

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

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

NOTE:

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

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

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

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

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

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

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

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

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

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

9.0 The tender shall be governed by the Bid Rejection & Bid Evaluation Criteria given in enclosed **Annexure-CCC**. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (as per **Annexure-CCC**) contradict the Clauses of the tender and / or "General Terms & Conditions" as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders elsewhere, those in the BEC / BRC shall prevail.

10.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

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

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

NOTE:

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

Yours Faithfully

Sd-

(R. BARMAN)

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

Tender No & Date: SDI1626P17 Dt. 01.07.2016**BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)**

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

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

<u>Criteria</u>	Complied / Not Complied. (Remarks if any)
<p>1.0 BID REJECTION CRITERIA (BRC):</p> <p>The bid shall conform generally to the specifications, terms and conditions given in this document. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected.</p> <p>A) COMMERCIAL:</p> <p>i) Validity of the bid shall be minimum 90 days from the Bid Closing Date.</p> <p>ii) Bid security: The bid must be accompanied by Bid Security of Rs 18,000 in OIL's prescribed format as Bank Guarantee or a Cashier's cheque or Demand Draft in favour of OIL. The Bid Security may be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender. The Bank Guarantee towards Bid Security shall be valid for 6 months from Bid closing date. (i.e. upto 04.02.2017). Cashier's cheque or Demand Draft shall be valid for minimum 90 days or as per RBI's guidelines, drawn on “Oil India Limited” and payable at Duliajan, Assam</p> <p>Bid Security may also be paid online on or before the Bid Closing Date and Time mentioned in the Tender.</p> <p><u>If bid security in ORIGINAL of above mentioned Amount and Validity is not received or paid online within bid closing date and time, the bid submitted through electronic form will be rejected without any further consideration.</u></p>	

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

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

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

iv) Performance Security:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

x) Delivery:

i) Maximum Delivery of Materials: 9 months from the date of receipt of order from OIL.

ii) Maximum Delivery for Installation & Commissioning: 2 months from the date of acceptance of materials by OIL.

2.0 BID EVALUATION CRITERIA (BEC)

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

A) TECHNICAL:

i) The bids will be evaluated as per NIT 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.

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

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

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TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No & Date: SDI1626P17 Dt. 01.07.2016

	Complied / Not Complied. (Remarks if any)
<p>ITEM NO. 10: STREET LIGHTING CONTROL DB, (QNTY. – 1 NO.)</p> <p>SPECIFICATION OF STREET LIGHTING CONTROL DB:</p> <p>A) CONSTRUCTIONAL DETAIL: Free standing, floor mounted, double door type, dust, vermin and weatherproof, compartmentalized, Street Lighting Control DB suitable for outdoor concrete floor foundation. Enclosure to be made of size 2.65mm (12 gauge) thick CRCA sheets. The structure shall be made with 3.8mm (9 gauge) thick CRCA sheet and angle iron and channel as required. Street Lighting Control DB shall have a heavy duty base framework. Frame is to be made with 100x50 mm size MS‘C’ Channel and along with 4 Nos suitable size grouting bolt to be provided (separately). Street Lighting Control DB base channel shall have facility for grouting on cement concrete pedestal. Provision for fixing the mounting bolt from outside is to be made. Enclosure : IP-55 Lifting hooks shall be provided. The outer doors shall be in parts and shall have locking arrangement with special type key and additionally facility for padlock shall be provided. Doors shall be provided on both sides. Danger Plate fitted on both sides. Canopy type sloping roof, in addition to the main enclosure roof, shall be provided to prevent accumulation of rain water and provide additional protection against water leakage. The roof extension shall cover the top side of doors to prevent leakage of water. Inside Chamber Arrangement : The incoming and outgoing functional units shall be arranged in multi-tier formation to provide a compact panel. Each unit shall be accommodated in a totally separate compartment having hinged doors with neoprene rubber gasket. Panel shall be designed for cable entry from bottom for both incoming and outgoing and shall have separate cable alley. The cable entry shall be effected at the bottom rear of each tier of cubicles. The frame design shall be such that the height between bottom cable entry plate and the connection brought out link of incoming, outgoing MCCBs shall be minimum 300mm. The entire sheet-work shall be given seven tank anti-rust treatment as per IS and then powder coated (min 50 micron thick) in DA Grey colour. The design should be as per IS-8623, 13947, 13703, 4237. Protection as per IP-55.Ambient-40°C (Max)/ 5°C (Min), Humidity-95% (Max). All components used must be suitable for the environment as mentioned. All hard wares should be of high tensile steel & Zinc passivated. Size of spring washers & flat washers should be as per relevant IS for individual bolt. 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. All incoming and outgoing cables shall enter the enclosure from bottom side. Bottom plate shall</p>	

have individual removable gland plates for all cables. These removable plates shall be accessible and removable from inside. All cable entry plates shall have knockouts.(Size and total no. of knockouts shall be confirmed to the successful bidder by engineer in charge, OIL)

B) DETAIL OF COMPONENTS:

INCOMER:

Two no. 250 amp, 415v, FP, 36 kA fault level, MCCB fitted with thermal magnetic trip unit as incomer associated with 1 No. on line Changeover Switch. The outgoing of incomer shall terminate to the changeover switch and Changeover outgoing shall be connected on 300 amp(25x8 sq.mm Cu free air rating of bars) TPN bus bar of rectangular sections of electro-tinned copper conforming to IS 613 (2000): copper rods and bars for electrical purposes. Rating of neutral bar minimum 50% of phase bus rating. PVC insulated busbar supported on GRP(Glass-fiber Reinforced Plastics)/SMC(Sheet moulding compound) supports suitable for 36 kA fault level.

Brought out type Terminal links of rectangular sections of tinned copper conforming to IS 613 (2000): copper rods and bars for electrical purposes shall be provided at incomer side of MCCB for terminating incoming supply cable. Cable size: 1 no. of 3.5x 120sq mm PVCA, stranded aluminium cable.

Three Phase multifunctional meter(V+A+KW+PF+KWH) IS approved BPL, metering class suitable CTs. shall be mounted inside the enclosure. Accuracy- 0.5%.

OUTGOINGS:

02(Two) nos. 100amp, 415v, FP, 18 kA fault level, MCCB fitted with thermal magnetic trip unit.

Suitable terminal links of electro-tinned rectangular sections of copper shall be provided at outgoing side of MCCBs for terminating outgoing supply cable. Cable size 3.5x 50 sq. mm PVCA, stranded aluminium cable.

02(Two) nos. 63amp, 415v, FP, 18 kA fault level, MCCB fitted with thermal magnetic trip unit. Suitable terminal links of electro-tinned rectangular sections of copper shall be provided at outgoing side of MCCBs for terminating outgoing supply cable. Cable size 4x 25 sq. mm PVCA, stranded aluminium cable.

06(Six) Nos. Street lighting control box as per the following details in each Box:

a) 63A 4P MCB-1no. 10kA, 'C' Curve Type 1 No.

Incomer power from bus with 16 sq. mm stranded PVC insulated FR copper cable with suitable size terminal end.

Make: Legrand, Siemens, HPL, Indoasian, Schneider, C&S or equivalent

b) DIN mounted 40A 4P Contactor-1no.

Make: Legrand, Siemens, HPL, Indoasian, Schneider, C&S or equivalent

c) Analog / Digital time switch-1no

Make: Legrand, Indoasian or similar type.

d) 20A SP MCB, 10KA, 'C' Curve Type – 6 No.

Make: Legrand, Siemens, HPL, Indoasian, Schneider, C&S or equivalent

e) Selector switch for selecting time mode, continuous ON mode and permanent OFF mode-1no ON/OFF panel Indicator

f) 32A rating DIN rail channel mounted Terminal Block of 8 unit with stopper on both end fixed in the cable alley. Terminal Block unit shall be made with thermos-plastic, non-hygroscopic, anti-tracking material suitable for 6/10 sq.mm size cable.

g) Wiring of power cable from 4P MCB to the Contractor shall be with single core 10 sq. mm PVC insulated FR stranded copper wire. Wiring from Contractor to 6 nos. MCB shall be with 6 sq.mm PVC insulated FR stranded copper wire. MCB wiring shall be with Red, Yellow & Blue colour code for each phase(2nos.). Outgoing of each MCB(2 Nos. for each phase) and two Nos.

black coloured wire from Contractor Neutral terminal shall be connected to the Terminal Block with 6 sq.mm PVC insulated FR stranded copper wire.

Successful bidder shall collect the wiring diagram of the Street Lighting Control Box from OIL Engineer In Charge before approval of the final drawing.

Rotary handle with locking arrangement to be provided for each MCCB to operate and lock the MCCB from outside of the compartment door.

C) GENERAL FEATURES:

1. All connection links between busbar and MCCBs & brought out links shall be made with rectangular sections of electro-tinned rectangular sections confirming to IS 613 (2000): Copper rods and bars for electrical purposes.

2. All control wiring shall be done with single core 2.5 sq mm, PVC insulated, FR, 1100v grade, ISI approved stranded copper cable.

3. All control cable ends shall have crimped copper lugs for proper termination and ferrules for identification.

4. All panel doors shall be earthed.

5. Special non-deteriorating Neoprene rubber gaskets shall be provided at door.

6. Enclosure protection shall be as per IP-55.

7. Sufficient space should be provided for proper glanding, dressing, connecting up and maintenance of all cables.

8. All components shall be accessible only after opening the doors.

9. 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.

10. One 50x6 mm GI strap shall be provided at bottom side inside the enclosure for earthing all internal components and enclosure. Both ends of this bar shall project 75mm outside the enclosure and shall have 12 mm dia hole for connection of external earth.

11. All items shall be duly fixed with zinc passivated high tension hardwares. DIN channel may be used for components having facility to mount on DIN channel.

12. All items of the Street Lighting Control DB must be conform to relevant IS or IEC (with latest amendments) for performance and safety.

13. All items shall be labeled.

14. A laminated drawing of complete circuits shall be pasted on the inside of door.

15. Street Lighting Control DB and all its components shall be guaranteed for one year after commissioning.

16. Works Test Certificate for routine tests as per IS-8623, 5039, 12063 (with calibrated testing equipment) and wiring diagrams should be provided along with the Equipment.

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

(i) Confirmation that the offered Street Lighting Control DB shall confirm to all the points of the tender. In case of an order on the party complete tender specs and the deviations(if any) accepted by OIL in writing shall only be mentioned in the order.

(ii) General arrangement drawing of the Street Lighting Control DB.

18. Detail foundation drawing, drawing of Street Lighting Control DB showing termination details, wiring diagram and complete bill of material must be submitted to OIL for approval within 30 days after placement of the order. The manufacture should start after approval of the drawings by OIL. In case of an order on the party complete tender specs and the deviations accepted by OIL in writing shall only be mentioned in the order.

19. The Street Lighting Control DB shall be inspected by OIL at manufacturer's works before dispatch and all routine tests shall be witnessed during inspection. Party to inform OIL for inspection minimum 15 days before dispatch. All routine tests as per ISI shall be done at the time of inspection.

20. Make of components:

MCCB- Legrand / Merlin Gerin / Siemens. .HRC Fuse/ Holder- GE. Cables for wiring- Finolex/ Havell's. Cable lugs- Dowells.Meters- Conserv, HPL-Socomac. CTs- Kappa/ AE/ L&T.	
<p>ITEM NO. 20: INSTALLATION & COMMISSIONING OF ITEM NO. 10 (QNTY. – 1 AU)</p> <p>Installation and Testing of each unit will be as per the following schedule.</p> <ol style="list-style-type: none"> 1)Successful bidder to collect drawing and Luminaire fixing plan from OIL Engineer in charge. 2)Preparation of drawings and other planning data for starting the job. 3) Obtaining approval of all document from OIL engineer in charge. 4) Marking of places for erection of Post Top Lantern. 5) Concrete Pole base grouting. <p>PCC pole base grouting Size: 300mmx300mmx750mm. (450mm length portion of PCC grouting shall be below the ground and 300mm shall above the ground and perfectly levelled) PCC materials ratio (Cement: Sand: Crush) shall be = 1:2:4 Bidders shall consider the material value of concrete Base Foundation while pricing Installation and Commission charge.</p> <ol style="list-style-type: none"> 6) 2 Nos. 40mm dia. HDPE pipe for cable entry shall be inserted in the PCC Pole base grouting as per the instruction of OIL Engineer in charge. 7) PVC Junction box shall be fixed as per the instruction of OIL Engineer in charge. 8) Erection of post top lantern shall be under supervision of licensed Electrician. 9) Wiring of lighting cable from top of the Luminaire and PVC Junction Box shall be with 3x1.5sq mm PVC stranded copper round cable. 10) Fixing of LED Luminaire on the mounting bracket with safety and additional care for better job quality. 11) Testing of each Luminaire with 230V ac supply. 12) Preparation 6 copies of as built Drawing for Luminaire Post complete Unit in Laminated form and supply to OIL engineer in charge. 13) All above job shall be done under supervision of Authorized Electrician having valid License issued by competent authority of Govt. of Assam. <p>Note: OIL will arrange power for each Luminaire Post.</p>	
<p>ITEM NO. 30: STREET LIGHTING CONTROL DB, (QNTY. – 1 NO.)</p> <p>SPECIFICATION OF STREET LIGHTING CONTROL DB:</p> <p>A) CONSTRUCTIONAL DETAIL: Free standing, floor mounted, double door type, dust, vermin and weatherproof, compartmentalized, Street Lighting Control DB suitable for outdoor concrete floor foundation. Enclosure to be made of size 2.65mm (12 gauge) thick CRCA sheets. The structure shall be made with 3.8mm (9 gauge) thick CRCA sheet and angle iron and channel as required. Street Lighting Control DB shall have a heavy duty base framework. Frame is to be made with 100x50 mm size MS'C' Channel and along with 4 Nos suitable size grouting bolt to be provided (separately). Street Lighting Control DB base channel shall have facility for grouting on cement concrete pedestal. Provision for fixing the mounting bolt from outside is to be made. Enclosure : IP-55</p>	

Lifting hooks shall be provided.

The outer doors shall be in parts and shall have locking arrangement with special type key and additionally facility for padlock shall be provided. Doors shall be provided on both sides. Danger Plate fitted on both sides.

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

Inside Chamber Arrangement :

The incoming and outgoing functional units shall be arranged in multi-tier formation to provide a compact panel.

Each unit shall be accommodated in a totally separate compartment having hinged doors with neoprene rubber gasket.

Panel shall be designed for cable entry from bottom for both incoming and outgoing and shall have separate cable alley.

The cable entry shall be effected at the bottom rear of each tier of cubicles.

The frame design shall be such that the height between bottom cable entry plate and the connection brought out link of incoming, outgoing MCCBs shall be minimum 300mm.

The entire sheet-work shall be given seven tank anti-rust treatment as per IS and then powder coated (min 50 micron thick) in DA Grey colour. The design should be as per IS-8623, 13947, 13703, 4237. Protection as per IP-55. Ambient-40°C (Max)/ 5°C (Min), Humidity-95% (Max). All components used must be suitable for the environment as mentioned. All hard wares should be of high tensile steel & Zinc passivated. Size of spring washers & flat washers should be as per relevant IS for individual bolt.

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.

All incoming and outgoing cables shall enter the enclosure from bottom side. Bottom plate shall have individual removable gland plates for all cables. These removable plates shall be accessible and removable from inside. All cable entry plates shall have knockouts. (Size and total no. of knockouts shall be confirmed to the successful bidder by engineer in charge, OIL)

B) DETAIL OF COMPONENTS:

INCOMER:

Two no. 250 amp, 415v, FP, 36 kA fault level, MCCB fitted with thermal magnetic trip unit as incomer associated with 1 No. on line Changeover Switch. The outgoing of incomer shall terminate to the changeover switch and Changeover outgoing shall be connected on 300 amp (25x8 sq.mm Cu free air rating of bars) TPN bus bar of rectangular sections of electro-tinned copper conforming to IS 613 (2000): copper rods and bars for electrical purposes. Rating of neutral bar minimum 50% of phase bus rating. PVC insulated busbar supported on GRP (Glass-fiber Reinforced Plastics)/SMC (Sheet moulding compound) supports suitable for 36 kA fault level.

Brought out type Terminal link of rectangular sections of tinned copper conforming to IS 613 (2000): copper rods and bars for electrical purposes shall be provided at incomer side of MCCB for terminating incoming supply cable. Cable size: 1 no. of 3.5x 120sq mm PVCA, stranded aluminium cable.

Three Phase multifunctional meter (V+A+KW+PF+KWH) IS approved BPL, metering class suitable CTs. shall be mounted inside the enclosure. Accuracy- 0.5%.

OUTGOINGS:

02 (Two) nos. 100amp, 415v, FP, 18 kA fault level, MCCB fitted with thermal magnetic trip unit.

Suitable terminal links of electro-tinned rectangular sections of copper shall be provided at outgoing side of MCCBs for terminating outgoing supply cable. Cable size 3.5x 50 sq. mm PVCA, stranded aluminium cable.

02(Two) nos. 63amp, 415v, FP, 18 kA fault level, MCCB fitted with thermal magnetic trip unit. Suitable terminal links of electro-tinned rectangular sections of copper shall be provided at outgoing side of MCCBs for terminating outgoing supply cable. Cable size 4x 25 sq. mm PVCA, stranded aluminium cable.

06(Six) Nos. Street lighting control box as per the following details in each Box:

a) 63A 4P MCB-1no. 10kA, 'C' Curve Type 1 No.

Incomer power from bus with 16 sq. mm stranded PVC insulated FR copper cable with suitable size terminal end.

Make: Legrand, Siemens, HPL, Indoasian, Schneider, C&S or equivalent

b) DIN mounted 40A 4P Contactor-1no.

Make: Legrand, Siemens, HPL, Indoasian, Schneider, C&S or equivalent

c) Analog / Digital time switch-1no

Make: Legrand, Indoasian or similar type.

d) 20A SP MCB, 10KA, 'C' Curve Type – 6 No.

Make: Legrand, Siemens, HPL, Indoasian, Schneider, C&S or equivalent

e) Selector switch for selecting time mode, continuous ON mode and permanent OFF mode-1no ON/OFF panel Indicator

f) 32A rating DIN rail channel mounted Terminal Block of 8 unit with stopper on both end fixed in the cable alley. Terminal Block unit shall be made with thermos-plastic, non-hygroscopic, anti-tracking material suitable for 6/10 sq.mm size cable.

g) Wiring of power cable from 4P MCB to the Contractor shall be with single core 10 sq. mm PVC insulated FR stranded copper wire. Wiring from Contractor to 6 nos. MCB shall be with 6 sq.mm PVC insulated FR stranded copper wire. MCB wiring shall be with Red, Yellow & Blue colour code for each phase(2nos.). Outgoing of each MCB(2 Nos. for each phase) and two Nos. black coloured wire from Contractor Neutral terminal shall be connected to the Terminal Block with 6 sq.mm PVC insulated FR stranded copper wire.

Successful bidder shall collect the wiring diagram of the Street Lighting Control Box from OIL Engineer In Charge before approval of the final drawing.

Rotary handle with locking arrangement to be provided for each MCCB to operate and lock the MCCB from outside of the compartment door.

C) GENERAL FEATURES:

1. All connection links between busbar and MCCBs & brought out links shall be made with rectangular sections of electro-tinned rectangular sections confirming to IS 613 (2000): Copper rods and bars for electrical purposes.

2. All control wiring shall be done with single core 2.5 sq mm, PVC insulated, FR, 1100v grade, ISI approved stranded copper cable.

3. All control cable ends shall have crimped copper lugs for proper termination and ferrules for identification.

4. All panel doors shall be earthed.

5. Special non-deteriorating Neoprene rubber gaskets shall be provided at door.

6. Enclosure protection shall be as per IP-55.

7. Sufficient space should be provided for proper glanding, dressing, connecting up and maintenance of all cables.

8. All components shall be accessible only after opening the doors.

9. 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.

10. One 50x6 mm GI strap shall be provided at bottom side inside the enclosure for earthing all

<p>internal components and enclosure. Both ends of this bar shall project 75mm outside the enclosure and shall have 12 mm dia hole for connection of external earth.</p> <p>11. All items shall be duly fixed with zinc passivated high tension hardwares. DIN channel may be used for components having facility to mount on DIN channel.</p> <p>12. All items of the Street Lighting Control DB must be conform to relevant IS or IEC (with latest amendments) for performance and safety.</p> <p>13. All items shall be labeled.</p> <p>14. A laminated drawing of complete circuits shall be pasted on the inside of door.</p> <p>15. Street Lighting Control DB and all its components shall be guaranteed for one year after commissioning.</p> <p>16. Works Test Certificate for routine tests as per IS-8623, 5039, 12063 (with calibrated testing equipment) and wiring diagrams should be provided along with the Equipment.</p> <p>17. The following documents are required to be submitted with the offer.</p> <p>(i) Confirmation that the offered Street Lighting Control DB shall confirm to all the points of the tender. In case of an order on the party complete tender specs and the deviations (if any) accepted by OIL in writing shall only be mentioned in the order.</p> <p>(ii) General arrangement drawing of the Street Lighting Control DB.</p> <p>18. Detail foundation drawing, drawing of Street Lighting Control DB showing termination details, wiring diagram and complete bill of material must be submitted to OIL for approval within 30 days after placement of the order. The manufacture should start after approval of the drawings by OIL. In case of an order on the party complete tender specs and the deviations accepted by OIL in writing shall only be mentioned in the order.</p> <p>19. The Street Lighting Control DB shall be inspected by OIL at manufacturer's works before dispatch and all routine tests shall be witnessed during inspection. Party to inform OIL for inspection minimum 15 days before dispatch. All routine tests as per ISI shall be done at the time of inspection.</p> <p>20. Make of components: MCCB- Legrand / Merlin Gerin / Siemens. HRC Fuse/ Holder- GE. Cables for wiring- Finolex/ Havell's. Cable lugs- Dowells. Meters- Conserv, HPL-Socomac. CTs- Kappa/ AE/ L&T.</p>	
<p>ITEM NO. 40: INSTALLATION & COMMISSIONING OF ITEM NO. 30 (QNTY. – 1 AU)</p> <p>Installation and Testing of each unit will be as per the following schedule.</p> <p>1) Successful bidder to collect drawing and Luminaire fixing plan from OIL Engineer in charge.</p> <p>2) Preparation of drawings and other planning data for starting the job.</p> <p>3) Obtaining approval of all document from OIL engineer in charge.</p> <p>4) Marking of places for erection of Post Top Lantern.</p> <p>5) Concrete Pole base grouting. PCC pole base grouting Size: 300mmx300mmx750mm. (450mm length portion of PCC grouting shall be below the ground and 300mm shall be above the ground and perfectly levelled) PCC materials ratio (Cement: Sand: Crush) shall be = 1:2:4 Bidders shall consider the material value of concrete Base Foundation while pricing Installation and Commission charge.</p> <p>6) 2 Nos. 40mm dia. HDPE pipe for cable entry shall be inserted in the PCC Pole base grouting as per the instruction of OIL Engineer in charge.</p> <p>7) PVC Junction box shall be fixed as per the instruction of OIL Engineer in charge.</p> <p>8) Erection of post top lantern shall be under supervision of licensed Electrician.</p>	

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|---|--|
| <p>9) Wiring of lighting cable from top of the Luminaire and PVC Junction Box shall be with 3x1.5sq mm PVC stranded copper round cable.</p> <p>10) Fixing of LED Luminaire on the mounting bracket with safety and additional care for better job quality.</p> <p>11) Testing of each Luminaire with 230V ac supply.</p> <p>12) Preparation 6 copies of as built Drawing for Luminaire Post complete Unit in Laminated form and supply to OIL engineer in charge.</p> <p>13) All above job shall be done under supervision of Authorized Electrician having valid License issued by competent authority of Govt. of Assam.</p> <p>Note: OIL will arrange power for each Luminaire Post.</p> | |
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NOTE:

- 1) The bidder should have experience of supplying, installation, testing and commissioning of LT panel/Feeder Pillar/Street Light Distribution Box of minimum value of Rs.4.56 Lakhs in any Central Govt/ State Govt/ PSUs during last 5(Five) as on bid closing date. The bidder should submit documentary evidence in support of their offer like purchase order/ works order with detailed scope of work and completion certificate / performance certificate along with bid.
- 2) Quotation along with all relevant documents and technical literature/catalogue/leaflet should be forwarded to us for technical evaluation.
- 3) The bidder should be OEM or authorised dealer of street light panel. In case of authorised dealer, valid dealership/authorisation certificate must be submitted along with bid, otherwise offer will be liable for rejection.
- 4) Bidder must be experience in supplying, Installation and Commissioning of Street light panel/feeder pillar/LT panel in any Central Govt./ State Govt./ PSU in last three year from bid due date. Copy of purchase orders/completion certificates giving the details of jobs shall be enclosed with the offer.
- 5) Drawing of Street Lightning Control DB should be submitted to OIL for approval before its dispatch from main factory/workshop.
- 6) Offer should be as per NIT specification.

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

Technical Bid Checklist**Annexure-EEE**

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

NOTE: Please fill up the greyed cells only.

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

Response Sheet**Annexure-FFF**

Tender No.
Bidders Name

Bidders Response Sheet

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

NOTE: Please fill up the greyed cells only.

(*) Purchase Orders along with copies of any of the documents in respect of satisfactory execution of the Purchase Orders should be submitted – (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Receipted Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory

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

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

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

Office Seal

.....
Signature of Vendor

Counter Signed by Banker:
Seal of Bank:

Enclosure: Self attested photocopies of the following documents-

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