

ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଃ.



**ODISHA POWER TRANSMISSION CORPORATION LTD.**

(A Government of Odisha Undertaking)

CIN: U40102OR2004SGC007553 /GTIN: 21AAACO7873L1Z6

REGD. OFFICE: JANPATH, BHUBANESWAR – 751 022,

OFFICE OF THE GENERAL MANAGER, (Elect)

EHT (O&M) CIRCLE: CHAINPAL, AT/PO: CHAINPAL COLONY,

PIN-759104, and DIST: ANGUL (ODISHA)

[E-mail-ehm.cle.chp@optcl.co.in](mailto:E-mail-ehm.cle.chp@optcl.co.in)

e-TENDER SPECIFICATION NO. CHP-07/2024-2025

FOR

**SUPPLY OF 240 NOS OF 150 WATT LED FLOOD LIGHT AND 50 NOS OF 36 WATT DOWN LED LIGHTS /CEILING PANEL LIGHTS (2"\*2") WITH COMPLETE SET FOR DIFFERENT GRID S/S UNDER EHT(O&M) DIVISION, MERAMUNDALI AND CHAINPAL.**

**PART-I**

**SECTION-I: INSTRUCTION TO BIDDERS.**

**SECTION-II: GENERAL CONDITIONS OF CONTRACT**

**SECTION-III: LIST OF ANNEXURES**

**SECTION-IV: TECHNICAL SPECIFICATIONS & OTHER DATA SHEET**

**PART II**

**PRICE BID & TECHNO COMMERCIAL BID (IN EXCEL FORMAT)**

**Request for online tender documents: From dt- 23.12.2024 (10.00 Hrs) to dt-08.01.2025 (12.30 Hrs)**

**Issue of online tender documents: From dt- 23.12.2024 (10.01 Hrs) to dt-08.01.2025 (12.31 Hrs)**  
**(Bid sheets)**

**Last date of submission of online tender: Up to dt-08.01.2025 (16.00 Hrs)**

**Date of opening of Techno-commercial Bid: On dt- 09.01.2025 (11.30 Hrs)**

**Date of Opening of Price Bid: To be intimated after Sample Selection**

## **TELEPHONES / CONTACTS**

1. Sr. General Manager: 9438907324
2. TA to General Manager: 9438907808
3. Manager(Finance):9438907790

### **NOTE: -**

1. In case the due date for opening of tender happens to be a holiday, then tenders would be received & opened on the next working day at the same time.
2. Please note that the tenders against this tender enquiry are being invited **through e-tendering mode**. In case of any clarification the prospective bidders may contact this office as mentioned above.
3. **The prospective bidders are requested to get their digital signatures (Class-3) well in time** for participation in the tender and no request for extension on this account will be entertained.
4. **Manual tenders in any form/case will not be accepted.**

# ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡ.



ODISHA POWER TRANSMISSION CORPORATION LIMITED  
(A Government of Odisha Undertaking)  
OFFICE OF THE GENERAL MANAGER (ELECT)  
EHT (O & M) CIRCLE, CHAINPAL  
P.O.-CHAINPAL COLONY, DIST-ANGUL (ODISHA) PIN- 759104  
CIN: U40102OR2004SGC007553

**e-TENDER NOTICE NO. CHP-07 / 2024-25**

## **NOTICE INVITING TENDER**

For and on behalf of ODISHA POWER TRANSMISSION CORPORATION LTD, Sr.General Manager, EHT (O&M) Circle, Chainpal invites Tenders from reputed bidders fulfilling the eligibility criteria and having valid PAN & GST registration Certificate for the work of “SUPPLY OF 240 NOS OF 150 WATT LED FLOOD LIGHT AND 50 NOS OF 36 WATT DOWN LED LIGHTS /CEILING PANEL LIGHTS (2"\*2") WITH COMPLETE SET FOR DIFFERENT GRID S/S UNDER EHT(O&M) DIVISION, MERAMUNDALI AND CHAINPAL”. The interested bidders would be required to enroll themselves on the tender portal [www.tenderwizard.com/OPTCL](http://www.tenderwizard.com/OPTCL). Complete set of bidding documents shall be available at [www.tenderwizard.com/OPTCL](http://www.tenderwizard.com/OPTCL) from **23.12.2024 (10.00 Hrs) up to 08.01.2025 (12.30 Hrs)**. Interested bidders may visit OPTCL’s official web site <http://www.optcl.co.in> and [www.tenderwizard.com/OPTCL](http://www.tenderwizard.com/OPTCL) for detail specification.

N.B:- All subsequent addendums/corrigendum to the tender shall be hosted in the OPTCL’s official web site <http://www.optcl.co.in> and [www.tenderwizard.com/OPTCL](http://www.tenderwizard.com/OPTCL) only.

The above Tender is a Two-part bidding system in e-tendering mode only as per the following details.

### ***Tender Specification No: CHP-07/2024-25***

Request for online tender documents: From dt- 23.12.2024 (10.00 Hrs) to dt-08.01.2025 (12.30 Hrs)  
Issue of online tender documents: From dt-23.12.2024 (10.01 Hrs) to dt-08.01.2025 (12.31 Hrs)  
(Bid sheets)  
Last date of submission of online tender: Up to dt-08.01.2025 (16.00 Hrs)  
Date of opening of Techno-commercial Bid: On dt- 09.01.2025 (11.30 Hrs)  
Date of Opening of Price Bid: To be intimated after Sample Selection  
Cost of Tender Spec Document : Rs.6000/ + Rs1080/- (GST@18%)= Rs 7080/-  
Earnest Money Deposit: Rs. 12500.00/- (Rupees Twelve Thousand Five Hundred)  
Tender Processing Fee: Rs. 1475.00/- [1250.00+ 225.00(GST @ 18%)]  
(Rupees One Thousand Four Hundred Seventy Five ) only

The bidders can view the tender documents from website free of cost.

### **ELIGIBILITY FOR SUBMISSION OF BIDS:-**

Bidders should not have any legal suit against OPTCL / GRIDCO Ltd / SLDC are only eligible for submission of Bids. Firms banned / blacklisted for business dealings by any organization are not eligible to participate in the tender. Participation in the tender by suppression of the above facts shall invite penal action, whenever detected.

**The bidders must have in possession of following qualifications for participation in tender:-**

- 1. Manufacturer/Authorized dealer.**
- 2. GST Registration Certificate.**
- 3. Permanent Account Number (PAN) issued by Income Tax Department.**
- 4. Past Experience for supply of similar type of LED Flood Light to Any State/Central Govt. or PSU organization.**

The bidders can view the tender documents from website free of cost. The bidders who want to participate in the tender shall have to pay **Rs.7080/- (Rupees Seven Thousand thousand Eighty only) non-refundable** including GST @ 18%) towards the cost of tender document, in the form of Demand draft only, drawn in favour of **EHT (O&M) Circle Chainpal, Payable at UCO Bank, TTPS Branch** (In case the D.D made from any other nationalized bank payable at any clearing branch at Talcher/Angul will be allowed, But the bidders have to deposit the collection fee (Bank transaction fee) along with the paper cost. The collection fee & Paper cost is Non-refundable) and the same is to be submitted to the office of the undersigned on or before the last date & time of Opening of tender.

**\* NSIC/MSME certificate holders may allow free of paper cost but 50% of EMD value have to deposit. The Firm has to submit the document proof regarding NSIC/MSME firm along with the DD of EMD to this office before opening of Tender, else bid will be rejected.**

*The bidders shall have to submit a non-refundable amount of Rs.1475.00/- [1250.00+ 225.00(GST @ 18%)] only towards the tender processing fee through e-payment gate way.*

*(NOTE: For deposit of tender processing fee to K.S.E.D.C. Ltd. Bangalore, the bidder can use various modes of e-payment facility available through Tender wizard Portal, i.e. by Credit Card, Debit Card, Net Banking)*

The payment acknowledgement slip submitted along with the EMD & tender cost at the office of the undersigned on or before the last date & time of Opening of tender.

The bidders shall scan the Demand Draft towards EMD, Tender paper Cost and acknowledgement slip for tender processing fee and upload the same in the prescribed form in **.gif** or **.jpg** format **in addition to sending the original as stated above.**

The prospective bidders are advised to register their user ID, Password, company ID from website [www.tenderwizard.com/OPTCL](http://www.tenderwizard.com/OPTCL) by clicking on hyper link "Register Me".

Any clarifications regarding the scope of work and technical features of the tender can be had from the undersigned during office hours.

**SR.GENERAL MANAGER  
EHT (O&M) CIRCLE, CHAINPAL**

**PART-I**  
**SECTION-I**  
**INSTRUCTIONS TO BIDDER**

**1. Submission of Bids: -**

The bidder shall submit the bid in Electronic Mode only i.e **www.tenderwizard.com/OPTCL**. The bidder must ensure that the bids are received in the specified website of the OPTCL by the date and time indicated in the Tender notice. Bids submitted by telex/telegram will not be accepted. No request to collect the Bids in physical form will be entertained by the OPTCL.

The OPTCL reserves the **right to reject any bid, which is not submitted documents** according to the instruction, stipulated above. The participants to the tender should be registered under GST/IT Act.

- i. For all the users it is mandatory to procure the Class 3 Digital Signatures.**
- ii.** The bidders are requested to follow the below steps for Registration:
  - a. Click “Register”, fill the online registration form.
  - b. Pay the amount of **Rs.2360/-** for registration fee through **e-payment gateway**.
  - c. This registration is valid for one year.
  - d. Send the acknowledgment copy for verification.
  - e. As soon as the verification is being done, the e-tender user id will be enabled.
- iii.** After viewing Tender Notification, if bidder intends to participate in tender, he has to use his e-tendering User Id and Password which has been received after registration and acquisition of DSCs.
- iv.** If any Bidder wants to participate in the tender he will have to follow the instructions given below:
  - a. Insert the PKI (which consist of your Digital Signature Certificate – Class 3) in your System.  
(Note:  
Make sure that necessary software of PKI be installed in your system).
  - b. Click / Double Click to open the Microsoft Internet Explorer (This icon will be located on the Desktop of the computer).
  - c. Go to Start > Programs > Internet Explorer.
  - d. Type **www.tenderwizard.com/OPTCL** in the address bar, to access the Login Screen.
  - e. Enter e-tender User Id and Password, click on “Go”.
  - f. Click on “Click here to login” for selecting the Digital Signature Certificate (DSC).
    - Select the Certificate and enter DSC Password.
    - Re-enter the e-Procurement User Id Password
- v.** To make a request for Tender Document, Bidders will have to follow below mentioned steps.
  - Click “Un Applied” to view / apply for new tenders.

- Click on Request icon for online request.
- Enter the required fields including details of D.D for tender Processing fee.
- vi. After making the request Bidders will receive the Bid Documents which can be checked and downloaded by following the below steps:
  - Click to view the tender documents which are received by the user.
  - Tender document screen appears.
  - Click “Click here to download” to download the documents.
- vii. After completing all the formalities Bidders will have to submit the tender and they must take care of following instructions.
  - Prior to submission, verify whether all the required documents have been attached and uploaded to the particular tender or not.
  - Note down / take a print of bid control number once it displayed on the screen
- viii. Tender Opening event can be viewed online.
- ix. Competitors bid sheets are available in the website for all.
- x. For any e-tendering assistant contact help desk number mentioned below.
  - Bangalore- 080-40482000
  - Mr. Satyamanyu- mob: 09937140591

## **2. Division of Specification.**

The specification is mainly divided into two parts viz. Part-I & Part-II.

### Part-I Consists of

- SECTION-I- INSTRUCTION TO BIDDERS.
- SECTION-II- GENERAL CONDITIONS OF CONTRACT
- SECTION-III- LIST OF ANNEXURE
- SECTION-IV- TECHNICAL SPECIFICATION.

### Part-II Consists of

- 1) PRICEBID
- 2) TECHNO COMMERCIAL BID (excel sheet)

- 3. Purchaser’s Right Regarding Alteration of Quantities Tendered.** The Purchaser may alter the quantities of materials /equipment at the time of placing orders. Initially the purchaser may place orders for lesser quantity with full freedom to place extension orders for further quantity under similar terms and conditions of the original orders. Orders may also be split among more than one bidder for any particular item, if considered necessary in the interest of the Purchaser to get the goods/equipment earlier.

#### **4. Purchaser's right to accept/reject bids:**

The purchaser reserves the right to reject any or all the tenders without assigning any reasons what so ever if it is in the interest of OPTCL, under the existing circumstances

#### **5. Mode of submission of Tenders.**

[A] Tenders shall be submitted in electronic mode only. ([www.tenderwizard.com/OPTCL](http://www.tenderwizard.com/OPTCL))

[B] **Telegraphic or FAX tenders** shall not be accepted under any circumstances.

#### **6. Earnest money deposit:**

- i) The tenderers are required to **deposit EMD of Rs.12, 500.00**, in shape of Demand Draft in **favor of GM, EHT (O&M) Circle Chainpal, Payable at UCO Bank, TTPS Branch, Talcher.** *(In case the D.D made from any other nationalized bank payable at any clearing branch at Talcher/Angul is allowed, the bidders however have to deposit the collection fee (Bank transaction fee) along with the paper cost. The collection fee & Paper cost is Nonrefundable).*
- ii) No interest shall be paid on earnest money deposit.
- iii) No adjustment towards EMD shall be permitted against any outstanding amount if any remained with this Office. In case of less deposit of EMD, the tender shall be liable for rejection.
- iv) The EMD of successful bidders can be refunded on written request after deposit of Security deposit.

#### **7. Validity of the Bids: -**

The tenders should be kept valid for a period of **180** days from the date of opening of the tender, failing which the tenders will be rejected.

#### **8. PRICE: -**

- (a) The price quoted should be firm, F.O.R. destination inclusive of freight, Insurance, Packing, Forwarding charges inclusive discount if any.
- (b) Taxes, if any shall be mentioned extra. The tender may quote rate in respect of different make Materials as per scheduled

#### **9. Bidders to be fully conversant with the clauses of the Specification:**

Bidders are expected to be fully conversant with the meaning of all the clauses of the specification before submitting their tenders. In case of doubt regarding the meaning of any clause, the bidder may seek clarification in writing from the **Sr.GM, EHT (O&M) Circle, Chainpal**. This however does not entitle the Bidder to ask for time beyond due date, fixed for receipt of tender.

#### **9. Documents to Accompany Bids.**

- a) Bidders are required to submit tenders in the following manner:
- b) Declaration Form as per **Annexure-I** (duly signed) to be uploaded in **\*.pdf** format.
- c) Earnest Money (scanned copy is to be uploaded)
- d) Abstract of Terms & conditions in prescribed proforma as per **Annexure-II**. To be keyed in the bid sheets provided.

- e) General Terms & Conditions of contract as per Section-II of the Specification. (All the required documents are to be uploaded.)
- f) Data on past experience if any **as per** the Specification.(Scanned copy to be uploaded)
- g) Proof of Manufacturer, Supplier, Authorised dealer, permanent account number [PAN] of the firm is required under Income tax Act., GST Certificate (Scanned copy to be uploaded).
- h) Any other document required, is to be uploaded.
- i) Schedule of prices in the prescribed proforma in the price bid sheet provided in \*.xls format.
- j) Photostat copies of type test certificates of materials/equipments offered as stipulated in the Technical Specification

**10. Conditional Offer:**

Conditional offer shall not be accepted.

**11. General Instruction to the Bidders : -**

- i) The bidder must get him registered in tender portal by paying an amount of **mentioned in website, through e-payment gate way**. This registration is valid for one year.
- ii) The tender paper cost (Form fee non refundable) for an amount of **Rs.7080/- to be deposited in shape of DD**.
- iii) The tender processing fee for an amount of **Rs.1475/- (Non-refundable) is to be paid to KSEDC Limited, Bangalore through e-payment gateway**.
- iv) The EMD amount as specified is to be paid in shape of DD.
- v) In the event of discrepancy or arithmetical error in the schedule of price, the decision of the purchaser shall be final and binding on the Bidder.
- vi) Notice inviting tender shall form part of this specification.
- vii) The EMD shall be returned to the unsuccessful bidders after finalization of tender on written request.
- viii) It should be distinctly understood that the price bid and techno-commercial bid shall contain only details/documents relating to price and technical details, as mentioned herein above.
- ix) **The Bidder must submit the EMD amount, cost of tender document in shape of draft and proof of Tender processing fee in a sealed cover envelope super scribing the Tender Notice No & Date of opening of tender. The said envelope is to be submitted in the office of the purchaser on or before the last date and time of Opening of tender.**



**PART-I**  
**SECTION-II**

**GENERAL TERMS AND CONDITIONS OF CONTRACT [G.T.C.C.]**

**1. SCOPE OF THE CONTRACT:**

The scope of contract shall be to deliver **240 nos. 150 watt LED flood light and 36 watt down LED Light/Ceiling Panel Lights (2\*2) with complete set for different Grid Substations under EHT ( O & M) Division, Meramundali and Chainpal of Make-Havells/ Crompton/Bajaj/Patriot/Phillips/HPL** as per technical requirement mentioned in the tender specification on Rail/Road transport at destination of OPTCL as specified in the schedule of quantity. **The materials so supplied shall be conforming to the relevant IS.**

**2. DEFINATION OF TERMS:**

For the purpose of this specification and General Terms and Conditions of contract [GTCC], the following words shall have the meanings hereby indicated, except where otherwise described or defined.

- 2.1 “The Purchaser” shall mean the Sr.General Manager, EHT (O&M) Circle, Chainpal for and on behalf of ODISHA POWER TRANSMISSION CORPORATION LTD., Bhubaneswar.
- 2.2 “The Engineer” shall mean the Engineer appointed by the Purchaser for the purpose of this contract.
- 2.3 “Purchaser’s Representative” shall mean any person or persons or consulting firm appointed and remunerated by the Purchaser to supervise, inspect, test and examine workmanship and materials of the equipment to be supplied.
- 2.4 “The supplier” shall mean the bidder whose bid has been accepted by the purchaser and shall include the bidder’s executives, administrators, successors and permitted assignees.
- 2.5 “Equipment” shall mean and include all machinery, apparatus, materials, and articles to be provided under the contract by the suppliers.
- 2.6 “Contract Price” shall mean the sum named in or calculated the bid.
- 2.7 “General Condition” shall mean these General Terms and Conditions of Contract.
- 2.8 “The Specification” shall mean both the technical as well as commercial parts of the specification annexed to or issued with GTCC and shall include the **schedules** and drawings, attached thereto as well as all samples and pattern, if any.
- 2.9 “Month” shall mean “Calendar month”.
- 2.10 “Writing” shall include any manuscript, type written, printed or other statement reproduction in any visible form and whether under seal or under hand.
- 2.11 “FOR Destination costs” shall mean the cost of equipment and material at the consignee’s store/site. The cost is inclusive of all taxes, packing, forwarding and insurance and freight charges.
- 2.12 The term “Contract document” shall mean and include GTCC, specifications, schedules, drawings, form of tender, Notice Inviting Tender, covering letter, schedule of prices or the final General Conditions, any special conditions, applicable to the particular contract.

2.13 Terms and conditions not herein defined shall have the same meaning as are assigned to them in the Indian Contract Act, failing that in the ODISHA General Clauses Act.

3. **MANNER OF EXECUTION:**

All materials to be supplied under the contract shall conform to the latest publication of relevant IS.

4. **SUBMISSION OF SAMPLE:** The bidders are requested to submit the sample of each item quoted by them to this office before opening of Techno-commercial bid. The samples of all bidders shall be scrutinized by a sample scrutiny committee to be constituted by the purchaser. If required, the bidder or their authorized representatives may be informed to remain present during scrutiny of samples. The date of sample scrutiny will be intimated to the bidders in due course. The bidders, whose samples are approved by the committee, shall be considered for price comparison. *In no case, the bidders shall be allowed for change of sample.*

5. **REJECTION OF MATERIALS.**

In the event any of the equipments /material supplied by the manufacturer is found defective due to faulty design, bad workmanship, bad materials used or otherwise not in conformity with the requirements of the Specification, the Purchaser shall either reject the equipment /material or ask the supplier in writing to rectify or replace the defective equipment /material free of cost to the purchaser. The Supplier on receipt of such notification shall either rectify or replace the defective equipment /material free of cost to the purchaser within 15 days from the date of issue of such notification by the purchaser.

6. **LANGUAGE and MEASURES:**

All documents pertaining to the contract including specifications, schedule, notices, correspondence, operating and maintenance instructions, drawings or any other writing shall be written in English language. The metric system of measurement shall be used exclusively in this contract.

7. **RIGHT TO REJECT /ACCEPT ANY TENDER:**

The purchaser reserves the right either to reject or to accept any or all tenders if the situation so warrants in the interest of the purchaser. Orders may also be split up between different Bidders on individual merits of the Bidder. The purchaser has exclusive right to alter the quantities of materials/equipment at the time of placing final purchase order. After placing of the order, the purchaser may defer the delivery schedule of the materials. It may be clearly understood by the Bidder that the purchaser need not assign any reason for any of the above actions.

8. **DELIVERY:-**

The materials in full quantity shall be delivered within 45 days of receipt of purchase order, failing which purchase order shall be liable for cancellation with forfeiture of Earnest money/ Security Deposit. However early delivery shall be preferred. **All items should be packed Grid wise for smooth distribution.**

9. **DESPATCH INSTRUCTIONS:**

- a) The materials should be securely packed and dispatched with E-Way bill by Rail/Road transport. Detailed instruction regarding dispatch of materials to OPTCL store will be indicated at the time of placing order.

b) **Loading & unloading of Ordered Materials.**

It will be the sole responsibility of the supplier for loading and unloading of materials both at the factory site and at the destination site/store. The Purchaser shall have no responsibility on this account.

10. **DESTINATION:-**Grid S/S Angul/Chainpal/Boinda/Rengali/Meramundali-A/Meramundali-B.

11. **TERMS OF PAYMENT: -**

100 % Payment along with full taxes & duties(as applicable)will be paid by the paying officer after receipt of materials in full and in good condition & due verification thereof by the consignee & approval of Guarantee Certificate from the undersigned and on receipt of funds from Head office in this regards. The bill in triplicate should be submitted to the paying officer along with completion report duly verified by the concerned Consignee.

12. **PRICE REDUCTION FOR DELAY IN COMPLETION OF CONTRACT:**

If the supplier shall fail to deliver the materials within the delivery period as stipulated under clause No.8 (Section-II) of this Tender document or any extension granted there to, the purchaser shall recover from the supplier penalty for a sum of half percent (i.e. 0.5 percent) of the contract price for each calendar week or part thereof of delay. However the total amount of penalty shall not exceed 5% (five percent) of the contract/ undelivered items price. Materials will be deemed to have been delivered only when all the component parts are also delivered. If certain components are not delivered in time, the supply will be treated as delayed until such time the missing/undelivered parts are delivered

13. **SECURITY-CUM-PERFORMANCE DEPOSIT:**

The successful tenderers will be required to deposit a Security Deposit-cum-Performance Guarantee amounting to 10% of the contract value **valid up to two months after the guarantee period** shall be deposited within 10 days (Ten) days of placement of the Work order in the shape of DD/Composite B.G. from a Nationalized Bank, drawn in favour of **GM,EHT (O&M) Circle, Chainpal** which will be refunded after two months of completion of the Guarantee period on written request subject to approval of guarantee certificate. The B.G. format will be issued by OPTCL during the placement of the work order. In the event of any breach or default in all or any condition of Work Order, security deposit will be forfeited. In case the security amount is not deposited, the same shall be deducted from the bill of the supplier. **Security Deposit not claimed for refund within three years from the date of expiry of Guarantee period shall be forfeited**

14. **FORCE MAJEURE** :The supplier shall not be liable for any penalty for delay or for failure to perform the contract for reasons of force majeure such as acts of god, acts of the public enemy, acts of

Govt., Fires, floods, epidemics, Quarantine restrictions, strikes, Freight Embargo and provided that the supplier shall within Ten (10) days from the beginning of delay on such account notify the purchaser in writing of the cause of delay. The purchaser shall verify the facts and grant such extension, if facts justify.

**15. EXTENSION OF TIME:** If the delivery of equipment/material is delayed due to reasons beyond the control of the supplier, the supplier shall without delay give notice to the purchaser in writing of his claim for an extension of time. The purchaser on receipt of such notice may or may not agree to extend the contract delivery date as may be reasonable but without prejudice to other terms and conditions of the contract.

**16. GUARANTEE:** The light fittings should be guaranteed for satisfactory operation and against defects in design, materials and workmanship for a period of at least 24 (Twenty Four) months i.e. Two years from the last date of delivery **with complete replacement of the unit.** The above guarantee certificate shall be furnished in triplicate to the purchaser for his approval. **Any defects if noticed during this period in the LED Lights, the same shall be replaced free of cost** provided such defects are traced due to bad materials used/bad workmanship and faulty design. The replaced materials should also have similar guarantee. In the event of any breach on default in all or any condition of purchase order, Security Deposit will be forfeited.

**17. GSTIN CERTIFICATION, PAN CARD & MANUFACTURER/AUTHORIZED DEALERSHIP CERTIFICATE :**

Attested legible Xerox copies of Income Tax PAN Card, GSTIN Certificate & manufacturer/authorized dealership certificates valid on the date of opening of the tender should be submitted along with tenders without which tender will be rejected at the time of opening. If required, the tenders shall have to produce original documents for verification any time after the opening of tender. Those who fail to produce the same and found not to be valid on the date of opening of the tender, their tenders will be rejected.

**18. TEST CERTIFICATE:** Necessary manufacturer certificate / test certificate in respect of the LED based floodlight fittings of **Make-Havells/ Crompton/ Bajaj/ Patriot/ Phillips/ HPL** shall be submitted before dispatch of materials for approval. Test certificate in respect of materials should conform to relevant IS. The **LM-79** test certificate of the luminaire for the quoted model along with **LM-80** certificate of the chip should also be submitted. The driver for the floodlight is to be **BIS** certified and certificate of the same shall be provided by the bidder. The **IP-66** certificate for the luminaire should also be provided along with the tender quotation. All type test and routine test reports shall be submitted for the evaluation during sample scrutiny.

**19. SUBMISSION OF PROOF REGARDING MANUFACTURER'S CERTIFICATE/ AUTHORISED DEALERSHIP CERTIFICATE, PRICE LIST OF THE MANUFACTURER, PAST EXPERIENCE OF EXECUTION OF ORDER PERFORMANCE CERTIFICATE, TECHNICAL LITERATURE AND DRAWING OF LUMINAIRE AND DRIVER, TYPE TEST CERTIFICATE:**

Attested legible Xerox copies of necessary Manufacturer's certificate, valid authorized dealer certificate, Manufacturer's Price list and technical literature etc. should be furnished along with the

tender. If required, the firms may be requested to produce such original certificates for verification. Past experience, if any, of execution of Purchase Orders need to be furnished by the bidders. The tender shall be accompanied with detail drawing and technical literature, leaflets, manuals if any.

20. **FREE REPLACEMENT:** Free replacement of materials lost / damaged during transit shall be made immediately on receipt of the intimation from the consignee /Paying Officer without waiting for settlement of the claim of bidders with Railway/Lorry/Insurance Company etc.
21. **STANDARDS:** The equipments shall strictly comply with relevant IS (Latest edition along with amendments if any) or equivalent standard as regards material, design, manufacture and testing etc.
22. **QUANTITY VARIATION:** The quantity to be ordered may undergo revision at the time of placement of orders.
23. **INSURANCE:-**

Insurance of materials is to be done by the supplier at their own cost. The responsibility of delivery of the materials at destination in good condition rests with the supplier. Any claim with the insurance company Railway authority/ Road transport authorities arising due to loss or damage in transits has to be settled by the supplier. The supplier shall undertake free replacement of materials damage or lost which will be reported by the consignee within 30 Days of the receipt of the materials at destination without waiting for the settlement of the claims with the carriers and underwriters.

24. **DEVIATION IN SPECIFICATION: -**

If any change in the technical parameters equivalent to the above specification may be clearly mentioned separately

25. **SUPPLIER'S RESPONSIBILITY.**

Notwithstanding anything mentioned in the Specification or subsequent approval or acceptance by the Purchaser, the ultimate responsibility for design, manufacture, materials used and satisfactory performance shall rest with the Bidders. The Supplier(s) shall be responsible for any discrepancy noticed in the documents, submitted by them along with the bid(s)

26. **CONSIGNEE:** SDO (Elect.), 132/33KV Grid S/S, Chainpal for EHT ( O & M) Division, Chainpal. SDO (Elect.), 400/220/132KV Grid S/S, Meramundali for EHT ( O & M) Division, Meramundali.

27. **PAYING OFFICER:** DGM (Elect.), EHT (O&M) Division, Chainpal and DGM(Elect), EHT ( O & M) Division, Meramundali are the paying officer for this contract.

28. **JURISDICTION OF HIGH COURT OF ODISHA.**

Suits, if any, arising out of this contract shall be filed by either Party in a court of Law to which the jurisdiction of High court of ODISHA extends.

29. **CORRESPONDENCES.**

- i) Any notice to the supplier under the terms of the contract shall be served by Registered Post or by hand at the Supplier's Principal Place of Business.
- ii) Any notice to the Purchaser shall be served at the Purchaser's Principal Office in the same manner.

### **Official Address of the Parties to the Contract**

The address of the parties to the contract shall be specified:-

**Purchaser:** Sr.General Manager,  
EHT (O&M) Circle, OPTCL, Chainpal,  
OPTCL  
AT/PO: CHAINPAL COLONY,  
DIST: ANGUL (ODISHA), Pin-759104,  
[Email-ehm.cle.chp@optcl.co.in](mailto:Email-ehm.cle.chp@optcl.co.in)

**Supplier:** Address  
  
Telephone No.  
  
Fax No.

### **30. Outright Rejection of Tenders**

Tenders shall be out rightly rejected if the followings are not complied with:

- a) The bidder shall submit the bid in electronic mode only and shall submit the cost of tender document, EMD and Tender processing fee on or before the date and time of opening of the bid.
- b) The Tender shall not be submitted telegraphically or by FAX.
- c) The Tender shall be kept valid for a minimum period of 180 days from the date of opening of tender.
- d) The schedule of prices should be filled up fully to indicate the break-up of the prices including taxes and duties. Incomplete submission of this schedule will make the tender liable for rejection.
- e) The Bidder should quote '**FIRM**' price only and the price should be kept valid for a minimum period of 180 days from the date of opening of the tender.
- f) The prescribed EMD shall be submitted on or before the date and time of opening of the bid.
- g) The tenders not accompanied with the required test certificates.**
- h) The tender shall not be conditional.
- i) There must not be any violation to the terms & conditions set forth and provided in the tender specification.
- j) Attested copies of I.T. Pan card and GST registration certificate shall be submitted along with the tender.
- k) The bidder must submit sample of the item quoted along with the tender documents on or before tender opening time for sample scrutiny by the purchaser.**
- l) **Authorized dealership certificate** issued by the manufacturers (**In case of authorized dealer**), valid on the date of opening of the tender shall be submitted along with the tender.
- m) There must not be any deviation to the delivery schedule as specified in tender specification.
- n) All the necessary excel sheets like techno-commercial bid sheet etc. attached with the tender should be duly filled up without any empty cells.
- o) Bidders not fulfilling the qualifying criteria as mentioned in **ELIGIBILITY FOR SUBMISSION**

### **OF BIDS.**

**31. E- REVERSE AUCTION PROCESS SHALL BE RESORTED TO IN THE TENDER AS FOLLOWS.:**

**Business Rule of e-Reverse Auction (e-RA)**

- (A) Based on “Evaluated Bid Price” determined pursuant to **ITB Sub Clause 27.6**, the Bids shall be ranked in ascending order as L1, L2, L3-----Ln,
- (B) The Indicative Estimated Cost for e-RA for the package(s) is as indicated at **ITB 29.1** in BDS.
- (C) The e-RA shall be conducted, if the variation of lowest evaluated bidder’s price (L1) is more than +5% (+five percent) of the Indicative Estimated Cost.
- (D) The Applicable Ceiling Price for e-RA for bidders shall be their “Evaluated Bid Price” determined in accordance with **ITB Sub Clause 27.6**. During e-RA, the bidders shortlisted for participation in e-RA shall be permitted to place their prices lower than their Applicable Ceiling Price.
- (E) The e-RA shall be conducted on a designated electronic platform of any Application Service Provider (hereinafter referred to as “ASP”), for and on behalf of the Employer.
- (F) The ASP, as and when authorized by the Employer, will intimate the bidders regarding the details of electronic platform, procedure/ modality of e-RA process and other details, prior to e-RA.
- (G) Notwithstanding above, the bidder(s) who either do not submit the requisite compliances for e- RA or do not participate in e-RA, their original price bid as opened, if valid, shall be considered for evaluation.
- (H) Notwithstanding the e-RA conducted as aforesaid, OPTCL reserves the right to hold negotiations with the bidder with lowest evaluated price after e-RA (L1 bidder).
- (I) The Employer shall be the sole judge in this regard.

**(j) Procedure for Reverse Auction (e-Reverse Auction (e-RA) shall be resorted to as follows:**

<b>STRATEGY FOR E-REVERSE AUCTION</b>	
1	Bidders are required to go through the guide lines given below and submit their acceptance to the same.
2	e-Reverse Auction (RA) will be conducted in e-tender portal of OPTCL on specified date and time, while bidders shall quote from their own offices/places of their choice. Internet connectivity shall be ensured by the respective agencies/bidders themselves.
3	Demonstration/ training (if not trained earlier) of bidder’s nominated person(s), shall be done by KEONICS to explain all the rules related to e-Reverse Auction/ Business Rule document to be adopted.
4	The strategy to be used for reverse auction shall be “DYNAMIC TEMPLATE BIDDING”

**Procedure for electronic Reverse Auctioning (e-RA):**

5	<p>a. The e-RA shall be conducted on <a href="http://www.tenderwizard.com/OPTCL">www.tenderwizard.com/OPTCL</a> only.</p> <p>Bidder has to submit letter towards agreement to the Process related Terms &amp; Conditions for e- Reverse Auction, as per (Reverse Auction Process Compliance Form at Annexure-VI). In non-receipt of the same, vendors will not be allowed to participate in e-RA.</p> <p>e-RA shall be carried out after opening of Price bids and completion of Price bid evaluation, which will be intimated only to the techno-commercially qualified bidders by OPTCL as per procedure given below.</p>
	<p>d. OPTCL reserves the right to conduct e-RA and it is obligatory on part of bidder(s) invited to participate in e-RA process once they have responded to the techno-commercial bid.</p>
6	<p>Prior intimation/ Notice for RA invitation will be given to techno-commercially qualified bidders regarding the date &amp; time of opening of the e-RA.</p> <p>The start bid price (SBP) for e-Reverse Auction of each bidder under a particular package shall be the L1 evaluated price for the subject package including Taxes &amp; Duties for the total scope for subject Package. Taking the above discovered L1 price as the upper limit e-RA will be conducted to determine the lowest possible price.</p> <p>Reverse Auction will be conducted amongst first 50% of the technically qualified bidders arranged in order of prices from lowest to highest, as L1, L2, L3 ----- Ln, and L1 price will be discovered. Minimum of 3 bidders shall be eligible for e RA. (eg. If 4 bidders are financially evaluated then the L1, L2 and L3 bidders shall be eligible for e-RA). Number of bidders eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L1 to L4).</p> <p>However, in case only two bidders are found to be responsive, e-RA would be carried out with both the parties without any elimination. However, OPTCL reserves the right to invite the evaluated L1 bidder for negotiation without conducting the e-RA.</p> <p>In case of price submitted by any bidder is found to be abnormal, OPTCL reserves the right to reject the bid of the bidder(s).</p> <p>Rank of bidders would be displayed as per the total cost to OPTCL, i.e including Taxes and Duties payable by OPTCL as per the provisions of the bidding document &amp; after e-RA process is over.</p>



7	<p>Names of bidders/ vendors shall not be disclosed during the e-RA process. Names of bidders/ vendors shall be anonymously masked in the e-RA process.</p> <p>In case of RA, start/ reference price and step value of decrement shall be indicated to the bidders at the start of the auction. Any participating bidder can bid one or multiple step decrement lower than the prevailing lowest bid at that time. The Bidder shall be able to view Bid Start Price, Bid Decrement Value, Prevailing Lowest Bid value, last Bid Placed by him and time left for bidding.</p> <p>The step value of decrement in a package to be offered by bidder (the minimum amount of reduction in the total bid price including all taxes &amp; duties during auction), shall be kept at 0.15% of L1 bidder's final evaluated price (or) at approved amount as decided by OPTCL.</p> <p>Bidders can only quote any value lower than their previous quoted price. However, at no stage, increase in Price will be permissible.</p> <p>(iv) At any point during Reverse Auction, bidding Price field shall remain enabled for the bidders. The reverse auction period shall be <b>unlimited</b> and the initial auction period (1st slot) will be of thirty (30) minutes with provision of auto extension by (10) ten minutes from the schedule/ extended closing time. If any fresh lower bid is received in last ten minutes of initial auction period or extended auction period, the auction shall get extended automatically for another 10 minutes. In case, there is no bid received during schedule/extended slot, the auction shall get closed automatically without further extension.</p> <p>(v) However, bidders are advised not to wait till the last minute or last few seconds to enter their bid during the period of e-reverse auction to avoid complication related with internet connectivity, network problem, system crash down, power failure etc.</p>
8	<p>After conclusion of e-Reverse Auction i.e (Closing Price in Reverse Auction will be taken as offered price by the L1 bidder), decrease in price of individual head of the template shall be considered proportionately on all individual line items of the respective head of the price schedule of the successful L1 bidder.</p> <p>Any bid received at the tender wizard server end subsequent to closure of the e-RA shall be summarily rejected and shall not be considered as a valid bid under whatsoever circumstances. For this purpose, tender wizard server log shall prevail.</p> <p>The bidder shall not involve himself or any of his representatives in price manipulation of any kind directly or indirectly by communicating with other bidders.</p> <p>During Reverse Auction, If no bid is received within the specified time, OPTCL, at its discretion, may decide to close the reverse auction process/ proceed with conventional mode of tendering [ Evaluation of Part-II (price bid) submitted by bidders earlier].</p>
9	<p>Consequent upon completion of e-Reverse Auction, OPTCL's decision on award of contract shall be final and binding on the bidders.</p> <p>OPTCL shall be at liberty to call the L1 bidder for further process/ negotiation and also at liberty to cancel the e-reverse auction process/ re-tender at any time, without assigning any reason thereof. OPTCL can decide to reschedule or cancel any reverse auction: the bidders shall be informed accordingly.</p> <p>OPTCL/ Service Provider shall not have any liability to bidders for any interruption or delay in access to the e-Tender site/ Reverse Auction link irrespective of the cause.</p>

**SR.GENERAL MANAGER  
EHT (O&M) CIRCLE, CHAINPAL**

**SECTION-III**  
**[LIST OF ANNEXURES]**

The following schedules and Performa are annexed to this specification and contained in Section-III as referred to in the relevant clauses.

1	Declaration form	ANNEXURE-I
2	Abstract of terms and conditions to accompany Section-II of Part-I	ANNEXURE-II
3	Bidders information	ANNEXURE-III
4	Composite Bank Guarantee form for security deposit, payment and performance	ANNEXURE-IV
5	Reverse Auction Process Compliance Form	ANNEXURE-V
6	Schedule of Quantity and delivery schedule	ANNEXURE-VI

**ANNEXURE - I**  
**DECLARATION FORM**

To

The Sr.General Manager (Elect)  
EHT O&M Circle, OPTCL, Chainpal

Sub:- Tender Specification No-\_\_\_\_\_

Sir,

1. Having examined the above specification together with terms & conditions referred to therein \* I/We the undersigned hereby offer to supply the materials/equipments covered therein complete in all respects as per the specification and General conditions, at the rates, entered in the attached contract schedule of prices in the Tender.
2. \* I / We hereby undertake to have the materials/equipments delivered within the time specified in the Tender.
3. \* I / We hereby guarantee the technical particulars given in the Tender supported with necessary reports from concerned authorities.
4. \* I/We certify to have submitted the bid electronically by remitting \*online payment /D.D./ remitting the cost of tender, herewith and this has been acknowledged by your letter / receipt No.  
\_\_\_\_\_ Dated \_\_\_\_\_
5. In the event of Tender, being decided in \*my/our favour, \* I/We agree to furnish the Composite B.G. in the manner, acceptable to ODISHA POWER TRANSMISSION CORPORATION LTD., and for the sum as applicable to \*me/us as per clause-13 of section-II of this specification within 15 days of issue of letter of intent/purchase order failing which \*I/We clearly understand that the said letter of Intent/Purchase order will be liable to be withdrawn by the purchaser, and the EMD deposited by us shall be forfeited by OPTCL.

Signed this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Yours faithfully

Signature of the Bidder  
with seal of the company

[ This form should be dully filled in by the bidder and uploaded at the time of submission of tender.]

\* (Strikeout whichever is not applicable).

## ANNEXURE-II

### ABSTRACT OF GENERAL TERMS AND CONDITIONS OF CONTRACT [COMMERCIAL] TO ACCOMPANY PART-I

1(a)	Cost of Tender Document: OPTCL Money Receipt No. & Date / D.D No & Date.	
1(b)	Earnest money furnished. Bank Guarantee No. & Date / D.D No. & Date.	
1(c)	Tender Processing Fee: e-payment confirmation	
2	Manufacturer's supply experience including user's certificate furnished or not.	<i>Yes/No</i>
3	<b>Delivery :-</b> Whether agreeable to OPTCL's desired delivery period as indicated at in the specification	<i>Yes/No</i>
4	<b>Guarantee:-</b> Whether agreeable to OPTCL's terms.	Yes/No
5	Whether agreeable to furnish <b>Composite B.G.</b> in case his tender be successful	Yes/No
6.	<b>Terms of payment:-</b> Whether agreeable to OPTCL's terms or not	Yes/No.
7.	<b>Nature of price:-</b> FIRM	Yes/No
8.	<b>Penalty:-</b> Whether agreeable to OPTCL's terms or not	Yes/No
9.	<b>Validity: -</b> Whether agreeable to OPTCL's terms or not	Yes/No
10.	Whether recent type test certificates from any Government approved laboratory are furnished or not.	Yes/No
11.	Whether materials are ISI/ISO marked.	Yes/No
12.	Furnished Manufacturer's name and its trademark.	Yes/No
13.	Whether registered under ODISHA/India GST Act	Yes/No
14.	Whether declaration form duly filled in furnished or not.	Yes/No.

Place: -

Date: -

Signature of the Bidder  
with seal of the company

**ANNEXURE-III**  
**BIDDER'S INFORMATION**

SL NO	The bidder shall furnish general information in the following format	
NAME OF THE BIDDER		
1	Address:-	
2	City	
3	Pin Code	
4	Contact person's Name :-	
5	Telephone No. office & Residence:-	
6	FAX No:-	
7	EMAIL:-	
9	GST REGISTRATION NO.	
10	PAN NO.	

Place: -

Date: -

Signature of the Bidder  
with seal of the company

**ANNEXURE-IV**

**PROFORMA FOR COMPOSITE BANK GUARANTEE FOR SECURITY DEPOSIT PAYMENT AND PERFORMANCE**

This Guarantee Bond is executed this \_\_\_\_\_ day  
of \_\_\_\_\_ 2024 by us the \_\_\_\_\_ Bank at

\_\_\_\_\_

P.O. \_\_\_\_\_ P.S. \_\_\_\_\_

District \_\_\_\_\_ State \_\_\_\_\_

1. WHEREAS the ODISHA POWER TRANSMISSION CORPORATION LTD., a body corporate constituted under the Electricity Act, 2003 [hereinafter called "the OPTCL" which shall include its successors and assigns has placed orders No. \_\_\_\_\_ Date \_\_\_\_\_ [hereinafter called "The Agreement"] on M/s. \_\_\_\_\_ [Hereinafter called "The Contractor"] which shall include its successors & assigns for execution of the work.

AND WHERE AS the bidder has agreed to execute the work for OPTCL in terms of the said agreement AND

WHEREAS the OPTCL has agreed [1] to exempt the bidder from making payment of Security [2] to release 100% payment of the cost as per the said agreement and [3] to exempt from performance guarantee on furnishing by the bidder to OPTCL, a Composite bank Guarantee of the value of 10 % [ten percent] of the contract price of the said agreement.

NOW THEREFORE, in consideration of the OPTCL having agreed [1] to exempt the bidder from making payment of Security [2] releasing 100% payment to the bidder and [3] to exempt from furnishing performance guarantee in terms of the said agreement as aforesaid, we, the \_\_\_\_\_ [Bank][hereinafter referred to as 'the Bank'] do hereby undertake to pay to the OPTCL an amount not exceeding Rs. \_\_\_\_\_ [Rupees \_\_\_\_\_] against any loss or damage caused to or suffered by or would be caused to or suffered by the OPTCL by reason of any breach by the said Bidder [s] of any of the terms or conditions contained, in the said agreement.

2. We the ( \_\_\_\_\_ Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on demand from the OPTCL stating that the amount claimed is due by way of loss or damage caused to or suffered by the OPTCL by reason of any breach by the said Supplier [s] of any of the terms or

conditions, contained in the said agreement or by reason of the bidder's failure to perform the said agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_

[Rupees \_\_\_\_\_]

3. We the \_\_\_\_\_ Bank} also undertake to pay to the OPTCL any money so demanded notwithstanding any dispute or disputes raised by the Contractor [s] in any suit or proceeding instituted/pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the Contractor [s] shall have no claim against us for making such payment.

- 4 We, ( \_\_\_\_\_ Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to do so enforceable till all the dues of the OPTCL under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Sr. General Manager, EHT (O&M) Circle, OPTCL, Chainpal certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor [s] and accordingly discharges this Guarantee.

Unless a demand or claim under this guarantee is made on us in writing on or before the [Date \_\_\_\_\_], we shall be discharged from all liability under this guarantee thereafter.

5. We,( \_\_\_\_\_ Bank) further agree that the OPTCL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor [s] and we shall not be relieved from our liability by reason of any such variations or extension being granted to the said Contractor [s] or for any forbearance, act or omission on the part of the OPTCL or any indulgence by the OPTCL to the said Contractor [s] or by any such matter or thing whatsoever which under the law relating to sureties would but these provisions have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the name, style and constitution of the Bank and Contractor [s].

7. We, [\_\_\_\_\_ Bank] lastly undertake not to revoke this guarantee during its currency except with the previous consent of the OPTCL in writing.
8. We the \_\_\_\_\_ Bank further agree that this guarantee shall also be invoked at our place of business at Angul (indicate the name of the branch) in the state of ODISHA.

Not with standing anything contained herein.

- 1) Our liability under this bank guarantee shall not exceed Rs. \_\_\_\_\_  
(Rupees \_\_\_\_\_).
- 2) The bank guarantee shall be valid up to dt. \_\_\_\_\_
- 3) We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only & only if you serve upon us at \_\_\_\_\_ branch at Angul written claim or demand on or before Dt. \_\_\_\_\_.

Dated \_\_\_\_\_ Day of \_\_\_\_\_

For \_\_\_\_\_

[Indicate the name of Bank]

Witness(Signature, names & address)

1.

2



**ANNEXURE-V**

**REVERSE AUCTION PROCESS COMPLIANCE FORM**

To,

**The Sr. General Manager (Elect)**

**EHT (O&M) Circle, Chainpal**

**Sub:-** Agreement to the process related Terms & Conditions for e-Reverse Auction.

Ref:- Tender Specification No.: \_\_\_\_\_

Dear Sir,

This letter is to confirm that:

- The under signed is authorized representative of the company.
- We have studied the Commercial Terms and the Business rules governing the Reverse Auction as mentioned in your tender and confirm our agreement to that.
- We also confirm that we have gone through the auction manual and have understood the functionality of the same thoroughly.
- We, hereby, confirm that we will honour the Bids placed by us during the tendering / e-Reverse auction process as called as e-RA.
- We also confirm that we will accept our Rank / Position that will be displayed when the Bidding Time for the Online Reverse Auction is over.

With regards,

Signature with Designation with company seal name  
& address (Person having power of attorney for the  
subject package)

**[To be submitted on Letter Head of the bidding firm/company with sign & stamp and along with  
Technical Bid]**

**ANNEXURE-VI**

**SCHEDULE OF QUANTITY**

Sl. No.	Description of Materials	Make	Unit	Quantity						
				Grid S/S Angul	Grid S/S Chainpal	Grid S/S Boinda	Grid S/S Rengali	Grid S/S Meramundali-A	GIS S/S Meramundali-B	Total Qty.
1	150 W LED Flood Light	Havells/ Crompton/ Bajaj/ Patriot/ Phillips/ HPL	Nos.	20	25	20	30	110	35	240
2	36W(2''*2'') down LED/ Ceiling Panel Light		Nos.	15	20	15	0	0	0	50

**N.B: The detailed address for the above delivery locations shall be provided at the time of the placement of Purchase Order.**

**PART-I(SECTION-IV)**

**TECHNICAL SPECIFICATION**

**N.B:-** All the bidders will be intimated after opening of Technical Bid to show a demo of the Flood Light in evening hour at OPTCL site in the presence of a Committee. After completion of Demo, the Purchase committee will be decide to qualify/reject the bidder based on the technical bid & report of committee as mentioned above. Then the Price Bid will be opened of the qualified bidder only.

**LED BASED 150W FLOOD LIGHT WITH COMPLETE SET-**

Supply of 240 Nos150 Watt IP 66 Outdoor type water proof LED flood light including tax and duties.  
Supply of lighting Fixture of 150 Watt .Outdoor type water proof LED flood light having power coated pressure die-cast Aluminium housing clear toughened glass having following specification:

<b>Sl. No.</b>	<b>Parameter</b>	<b>Requirement</b>
1	Model/CAT REF	To be quoted by the bidder
2	Rated System Wattage (Watts)	150W±5%
3	Optical Assembly	<b>High Power Discrete LED's with individual Lens designed to optimized application efficiency</b>
4	Beam Angle	90° for Luminaire
5	Power Factor	≥0.95
6	Operating Voltage range (Volts)	120 - 270 VAC
7	SYSTEM CURRENT @ 240V AC	0.625A (0.69A maximum allowed)
8	Supply Frequency (Hz)	50
9	Total Harmonic Distortion (%)	<10%
10	Surge Protection (kV)	<b>(Should strictly adhere to) 4KV inbuilt Surge protection along with 440V withstand protection in driver + Additional 10KV external SPD</b>
11	LED Efficiency	<b>&gt;110 Lm/W (Manufacturer to submit proof for the same)</b>
12	System Efficiency (lumen/watt)	<b>≥100 Lm/W</b>
13	Junction Temperature (Tj)	The Junction Temperature shall be <75 Deg. C at 25 Deg. C to 30 Deg. C Ambient Temperature
14	Ingress Protection (IP)	IP66(documentary proof to be attached)
15	Mechanical Impact of the entire fitting (IK)	IK05
16	Housing	Water proof dust proof sealed Housing with pressure Die-cast Aluminium having separate compartment for driver.
17	Finish	All Weather Durable Matte Finish Powder coating
18	Luminaire cover / glass	Heat resistant toughened glass
18	Luminaire mounting arrangement	Wall or surface Mounting made up of MS Cradle of thickness not less than 2.5 mm with 180degree angular rotation of luminare
19	Color Rendering Index (CRI)	≥70
20	Working Life for LED (@L70) (No. of hours)	Minimum 50,000 Burning Hours as per LM-80 Report
21	Color Temperature (Deg. Kelvin)	5700° to 6500°K
22	LED Drive Current (A)	Not more than 85% of the rated current carrying capacity of LED
23	Make of LED Chip manufacturer	CREE/NICHIA/TOYADA GOSEI/OSRAM/PHILIPS LUMILED/SEOUL SEMICONDUCTORS
24	Humidity (% min & max - Relative	10% to 90% RH

	humidity)	
25	Suitability for dusty conditions	Yes
26	Operating Temperature Range	Minimum -5 °C to 55 °C
27	Driver	SMPS based Current Supply One No. Independent Drivers for the Luminaire
28	Driver Protection	Short Circuit, Over Load, Open Circuit No - Load, EMI & Environmental
29	Driver Technical Data Sheet	Technical Data Sheet of the Driver used in the offered Luminaire to be submitted along with the Offer.
30	Driver Type	<b>Constant Current, potted driver with internal Surge Protection of <math>\geq</math> 4KV, CE marking &amp; ROHS Compliant</b>
31	Driver Efficiency	$\geq$ 85%
32	Driver Compliance	1. IS 15885 (Part 2/Sec 13) as per BIS Certificate 2. The Driver should be ROHS compliant.
33	Driver Life class (Br. Hrs.)	>15000 Burning Hours
34	Driver Make	Philips or any other reputed make with valid BIS Certification.
35	Warrantee / Guarantee	As per Clause No 16 of Section II, Part 1.i.e 2 years.
36	<b>LENS:</b>	90 degree Secondary Optical Lens suitable for flood lights or high bay lights.
37	<b>MAKE OF LENS:</b>	LEDIL / KHATOD/OPTIKS MECHATRONICS/OPTCA or equivalent reputed make
	<b>Mandatory Documents to be submitted along with Offer apart from the one mentioned above:</b>	
1	Technical Data Sheet of the Offered Luminaire	Technical Data Sheet of the Offered Luminaire to be submitted along with the Offer.
2	Technical Data Sheet of the Driver	Technical Data Sheet of the Driver used in the Offered Luminaire to be submitted along with the Offer
3	LM 79 (Photometry) Report	LM-79 Report mentioning Total Lumen output, Power, Power Factor, Current in Amps, CRI & CCT of the offered Luminaire to be submitted along with the Offer.
4	LM 80 Report & Photobiological Report for LED	LM-80 Report & the Photobiological Report of the LED Chip being used in the offered Luminaire to be submitted along with the Offer.
5	Driver Certification	ROHS, UL Report of Driver, BIS Certificate of the Driver
6	Report	As per requirement, all the test Certificates / reports are to be obtained from NABL Accredited LAB for the quoted Luminaire, Driver & LED chip.

**36 WATT DOWN LED LIGHTS /CEILING PANEL LIGHTS (2"\*2'') WITH COMPLETE SET**

<b>Sl. No.</b>	<b>Parameter</b>	<b>Requirement</b>
1	Model/CAT REF	To be quoted by the bidder
2	Rated System Wattage (Watts)@240VAC	36W
5	Power Factor	$\geq 0.95$
6	Operating Voltage range (Volts)	120 - 270 VAC
7	SYSTEM CURRENT @ 240V AC	0.157A
8	Supply Frequency (Hz)	50
9	Total Harmonic Distortion (%)	<20%
10	Surge Protection (kV)	4kV
11	Lumen	CDL-3600lm,NW-3420lm,WW-3240lm

**SR. GENERAL MANAGER  
EHT (O&M), CIRCLE, CHAINPAL**