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**ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଃ.**  
**ODISHA POWER TRANSMISSION CORPORATION LIMITED**  
(A Government of Odisha Undertaking)  
**OFFICE OF THE DEPUTY GENERAL MANAGER (ELECTRICAL)**  
**EHT (O&M) DIVISION, CHATRAPUR**  
**AT-PUTIGOPALPUR, CHATRAPUR, DISTRICT-GANJAM, PIN-761020**  
**CIN- U40102OR2004SGC007553**

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**TENDER SPECIFICATION FOR NIT No. 02/2020-21**

**For**

**“SUPPLY OF 120WATT LED BASED FLOOD LIGHTS WITH COMPLETE FITTINGS REQUIRED FOR 132/33KV CHATRAPUR, GANJAM, BALUGAON & PURUSOTTAMPUR GRID S/S UNDER EHT (O&M) DIVISION CHATRAPUR”**

**Cost of tender paper Rs. 2000/- +12 % GST=Rs.2240/-  
(Rupees two thousand two hundred forty only)**

**ISSUED TO:-**

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ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)

OFFICE OF THE DEPUTY GENERAL MANAGER (ELECTRICAL)  
EHT (O&M) DIVISION, CHATRAPUR

At-Puti-Gopalpur, Chatrapur, Dist- Ganjam (Odisha), Pincode-761020  
CIN- U40102OR2004SGC007553

**NOTICE INVITING TENDER**

**Advt. No. 02/2020-21**

For and behalf of OPTCL, Sealed tenders are invited by the undersigned from the manufactures / Authorized dealers having valid IT PAN, authorized dealership certificate, GST Registration certificate not registered in composite scheme for "Supply of 120watt LED based flood lights with complete fitting for 132/33KV Chatrapur, Ganjam, Balugaon & Purusottampur Grid S/s under EHT (O&M) Division Chatrapur'.

**Cost of Tender Paper:** - Rs2000/-+ GST@12% (Rs2240/-)

**EMD @ 1% of estimated cost:** -Rs 3640/-

**Sale of Tender documents:** From Dt.29.10.20 to Dt. 12.11.20 on working days only.

**Last date of submission of tender:** Dt.13.11.20 up to 2.00 PM.

**Date of opening of tender:** Dt. 13.11.20 at 4.00 PM

**For details please visit our web site:** [www.optcl.co.in](http://www.optcl.co.in)

Corrigendum if any will be published in the web site only.

Dy. General Manager, EHT(O & M)Division, Chatrapur

**TENDER SPECIFICATION FOR TENDER CALL  
NOTICE No. 02-2020-21  
OF EHT (O & M), DIVISION, CHATRAPUR  
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7.	COST OF TENDER PAPER (Non-refundable)	<b>Rs.2000/-+ GST@12% (Rs.2240/-)</b> (Rupees two thousand two hundred forty) only by Cash/ Bank Draft drawn in favour of Dy. General Manager, EHT(O & M) Division, Chatrapur payable at Chatrapur, Odisha.
8.	E.M.D	<b>Rs.3640/-</b> only by cash / bank draft drawn in favour of Dy. General Manager, EHT (O & M) Division, Chatrapur payable at Chatrapur, Odisha.
9	SALE OF TENDER PAPER	From <b>29.10.20 to Dt. 12.11.20</b> (During office hours) available in the office of the Dy. General Manager (Ele.), EHT (O&M) Division, OPTCL, Chatrapur
10.	LAST DATE OF RECEIPT OF TENDER PAPER	<b>Dt. 13.11.20 up to 2.00 PM.</b>
11	DATE & TIME OF OPENING OF TENDER	<b>Dt. 13.11.20 at 4.00 P.M</b>
	Tender posted by the registered post to should be reached at:	<b>Odisha Power Transmission Corporation Ltd., Office of the Dy.General Manager, EHT (O &amp; M) Division, Chatrapur, At-Puti-Gopalpur, Chatrapur, Dist- Ganjam (Odisha),Pincode-761020</b>

INSTRUCTION TO BIDDERS

The Bidders must read in detail the “Instruction to Bidders” and “General terms and conditions” before filling the tender documents.

1. TENDERS:

- A) Bidders must submit their bids with original signature. Only those who have purchased the Tender specification from this office can submit their Tender. Tenders submitted by others will be rejected.
- B) Tender must be submitted in sealed cover subscribed as “**Tender call Notice No. 02-2020-21: Supply of 120watt LED based flood lights with complete fitting for 132/33KV Chatrapur, Ganjam, Balugaon & Purusottampur Grid S/s under EHT (O&M) Division Chatrapur**” on or before 13.11.2020 for opening and addressed to the **Dy. General Manager, EHT (O & M) Division, Chatrapur.**
- C) Tender shall be submitted either by person or by registered post with A.D within the time specified in the tender call notice. Any other means of delivery shall not be accepted. Detailed postal address with PIN No., Phone / Fax/Email of bidder must be mentioned in the application requesting for tender document and on the tender bid. The authority is not responsible for receipt of tender after due date due to postal delay or any other reasons. The tender should be posted by the registry post to reach at **Odisha Power Transmission Corporation Ltd., Office of the Dy. General Manager, EHT (O & M) Division, Chatrapur, At-Puti-Gopalpur, Chatrapur, Dist-Ganjam (Odisha), Pincode-761020.** Tenders received after due date due to postal delay or any other reason will not be considered.
- D) The bidder has to deposit EMD @ 1% of estimate value in shape of cash / bank draft drawn in favour of Dy. General Manager, EHT (O & M) Division, Chatrapur. The EMD of successful tenderers will be refunded after deposit of security-cum-performance deposit. The EMD of all unsuccessful tenderers shall be refunded on written request after finalization of tender. No interest shall be paid on EMD. No adjustment towards EMD shall be permitted against outstanding amount, if any, remained with the OPTCL.

2. Experience:

The Tenderers should be Manufacturer/ authorized dealer. The bidders may submit the copy of past experience if any regarding supply of similar materials to GRIDCO/ OPTCL or any other state or central PSUs.

3. FORFEITURE OF EMD:

- A) In the event the successful tenderer failing to accept the order or supply the materials as per the technical specification, the EMD so deposited shall be forfeited.
- B) Any deviation from the terms and conditions of the contract the EMD so deposited shall be forfeited without any notice.

**4. INFORMATION ON COMPETITORS:**

Bidders have right to know information on competitors **only at the time of opening of the bids**. No further information on competitors shall be provided at any other point / stage of the tender without prejudice to Right to Information Act – 2005.

**5. OPENING OF TENDERS:**

- A) Copy of up-to-date PAN card and GST Registration certificate not registered in composite scheme to be enclosed with the tender bids.
  - B) Bidders themselves or their authorized representatives limited to one person only (possessing authorization letter in original) shall be allowed to attend opening event of the tenders.
6. The purchaser may alter the quantities of materials at the time of placing orders. Orders may also be split up among more than one tenderer if necessary. The purchaser reserves the right to reject the lowest or any other Tender or all tenders without assigning any reason what so ever.
7. Tender should be prepared clearly without any overwriting and corrections. Erasures and other changes shall bear the dated initial of the person signing the Tender.
8. 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 tenderer. For evaluation, the price mentioned in words shall be taken if there is any difference in figure and word in the price bid.

**Dy. General Manager  
EHT (O&M) Division Chatrapur**

**GENERAL TERMS AND CONDITIONS**

1. **Validity:** Tenderers are requested to keep the validity of their offer for a period of 06months from the date of opening of tender.
2. **Price:** The price quoted by tenderer should be firm and F.O.R. destination inclusive of freight, Insurance, Packing, Forwarding charges inclusive discount, if any.
3. **Taxes:** Taxes, if any shall be mentioned extra. The amount and nature of taxes should be clearly specified in the price schedule.
4. **Terms of Payment:** 100% payment with taxes etc shall be made within 45 days after receipt of materials in full and in good condition & verification thereof by the consignee.
5. **Delivery:** The materials in full quantity shall be delivered within 30 days of receipt of purchase order, failing which purchase order shall be liable for cancellation with forfeiture of Earnest money/ Security Deposit.
6. **Penalty:** If the supplier shall fail to deliver the materials within the delivery period as stipulated under clause No. 5 (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 period.
7. **Extension of time:** If the delivery of materials is delayed due to reason beyond the control of supplier, the supplier shall without delay give justification. The purchaser on receipt of such notice may agree to extend the contract delivery date if reasonable but without prejudice to other terms and conditions of this contract.
8. **EMD:** The tenderers are requested to deposit EMD @ **Rs 4,010/-** in shape of cash / D.D. Drawn in favour of **Dy. General Manager, EHT(O&M) Division, Chatrapur**. The tender without EMD will be liable for rejection. The D.D / original money receipt for the EMD should be enclosed along with original tender paper.
9. **Security Deposit:** The tenderers whose offer qualifies for acceptance will be awarded Work Order and the contractor shall have to be deposit Security-cum-performance guarantee equal to 10% (Ten percent) of contract value in shape of Cash / Bank Draft in favour of **Dy. General Manager, EHT (O&M) Division, Chatrapur**. The Security deposit will be released after two months of completion of the guarantee period subject to fulfillment of guarantee stated under clause-10 on a receipt of application for this purpose. No interest shall be paid to the supplier towards the security deposit so deposited by the supplier.
10. **Guarantee:** The materials covered under this contract should be guaranteed for trouble free and satisfactory performance against any defect in design, materials and workmanship for a Period of at least **1years** from the date of delivery. Any defect noticed during this period should be rectified / replaced by the firm free of cost

provided such defects are due to faulty design, bad workmanship or bad materials used. 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.

- 11. 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 arises 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.
- 12. Despatch Instruction:** The materials should be securely packed and dispatched by Rail/ road transport to 132/33 KV Grid S/S, Chatrapur. The cost of transportation will be borne by the supplier.
- 13. Consignee:** - The SDO, TLS, Chatrapur is the consignee & verifying officer for the contract.
- 14. Paying Officer:** The **DGM, EHT (O&M) Division, Chatrapur** is the paying officer for this contract.
- 15. Submission of GST Registration no & PAN:**-Clear attested Xerox copies of PAN No. & GST Registration no.valid on the date of opening of tender should be submitted along with the tender.
- 16. Jurisdiction of Court:** Dispute if any, arising against the supply order issued to the supplier shall be filed by either party in any court of law to which the jurisdiction of Odisha High Court extends.

The Authority reserves the right to reject the notice/ award the contract among any responsive bidders against this tender or without assigning any reason thereof. All other terms and conditions will be governed by OPTCL as per Rules.

**Dy. General Manager  
EHT (O&M) Division Chatrapur**

### SECTION - III

#### **TECHNICAL SPECIFICATION OF LED LIGHT FITTING:**

#### **LED BASED FLOOD LIGHT, 120 WATT:**

<b>Sl no</b>	<b>Parameter</b>	<b>Requirement</b>
1	Model no / Cat Ref	To be quoted by the bidder
2	Operating Voltage	140 - 300V AC
3	Power Consumption	120 Watt $\pm$ 10% including driver
4	<b>LED Use</b>	<b>Discrete Ceramic High Power LED</b>
5	<b>Make of LED manufacture</b>	<b>CREE / NICHIA / OSRAM / PHILIPSLUMILEDS</b>
6	Make of Lens	LEDIL / KHATOD
7	Beam Angle	60 Degree Secondary Optical Lens
8	Power Factor	> 0.99
9	System Current @ 240V AC	0.7 amp
10	Supply Frequency (HZ)	50 HZ
11	Total Harmonic Distortion	< 10%
12	Surge Protection	4 KV in driver + 20KV External SPD.
13	LED Efficiency	> 120 Lumen/Watt (manufacture to submit proof of the same)
14	System Efficiency (Lumen/Watt)	> 120 Lumen/Watt
15	System Luminas Flux	<b>Minimum 13,000 lumen</b>
16	Ingress Protection	IP66
17	Housing	Aluminium pressure Die-casting or Extrusion Heat Sink Housing
18	Luminary Cover	Clear Toughen glass cover
19	Colour Rendering Index (CRI)	> 70
20	<b>Colour Temperature</b>	<b>Cool White 5,700 K.</b>
21	Working Life of LED	50,000 Burning hours as per LM-80 Test Report
22	Mounting	Adjustable Mounting Arrangement Should be provided
23	Operating Temperature	Minimum – 5 to 55 degree
24	Driver	One no independent driver for the Luminary
25	Driver Protection	Short Circuit, Over load, Open Circuit, EMI
26	Driver Type	Constant Current potted driver with internal surge protection of 4 KV.
27	Driver Efficiency	> 90%
28	Driver Compliance	As per BIS Certified.
29	Make of driver	Philips Xitanium/Inventronics / Ecoled / Meanwell or any other reputed make

#### **Mandatory Documents to be submitted along with offer apart from the mention above :**

1. Authorization Certificate: Luminary manufacture has to be submitted the authorization certificate from LED chip manufacture like CREE, NICHIA, OSRAM AND PHILIPS LUMILEDS with the tender.

2. Authorization Certificate from: Secondary Optical Lens manufacture
3. Authorization Certificate from: Driver manufacture
4. LM-80 TEST REPORT: LM-80 test report submit for same part no of LED you use in your luminary.
5. LM-79 and IP-66 TEST REPORT: LM-79 and IP-66 test report from third party NABL / Govt approved laboratory to be adhered by the luminary manufacturer.
6. PROVE OF MANUFACTURING: you have to submit document of prove of manufacturing mention product.
7. Mention make of driver with BIS certificate. (Without BIS certificate their tender will not be entertained)
- 8. One Sample Submitted with Tender, without sample their tender will not be entertained.**

**Dy. General Manager  
EHT (O&M) Division Chatrapur**

**Details of technical specification of LED fitting furnished by the tenderer**

**Fixture Performance**

Input Voltage range :

Fixture lumen :

Color Temperature :

Fixture wattage :

Fixture typical beam angle :

Lumen Maintenance :

Color Maintenance :

Surge protection :

Ingression protecting rating :

System efficiency :

Fixture maximum temperature :

**LED Details**

Make of LED :

Part no of LED :

Type of LED :

Maximum Wattage of LED :

Your Driving wattage :

Maximum Drive current of LED :

Your Driving current of LED :

LED Driving Voltage :

LM-80 Test report mentions part no of LED :

LM-80 data for TM-21 calculator mention part no of LED:

Authorization Certificate from LED chip manufacture :

**Secondary Optical Lens Details.**

Make of Secondary Optical Lens :  
Part no of Secondary Optical Lens :  
Degree of Secondary Optical Lens :  
Authorization Certificate from :  
Secondary Optical Lens manufacture

**Driver Details.**

Make of Driver :  
Part no of Driver :  
Driver Specification :  
Driver Ripple Current :  
Authorization Certificate from :  
Driver manufacture

**Surge Protection Devise Details.**

Make of SPD :  
Part no of SPD :  
SPD Specification :

**Date:**  
**Place:**

**Signature of the Tenderer**  
**with Seal**

Annexure –II

**Schedule of Price**

Sl No	Description of materials to be supplied	Make	Quantity in nos.	Unit Rate in Rs.	Amount in Rs.
1	Supply of 120W LED based Flood light with complete fittings		55		
2	Total				
3	Taxes if any (to be specified)				
4	Grand total				

(Rupees.....)

Date  
Place

Signature of the Tenderer  
with seal.

Dy. General Manager  
EHT (O&M) Division Chatrapur

**Annexure –III**

**DETAILED DATA SHEET TO BE FURNISHED BY THE TENDERERS**

1	Name of the Agency/Contractor with detailed postal address.	
2	Earnest money deposited vide <b>Bank Draft No./ money receipt No</b> _____date_____ amount in Rs. _____ (Rupees _____ )only	
3	Attested copy of PAN Card	Furnished / Not furnished
4	Attested GST Registration Certificate	Furnished / Not furnished
5	Agreed to furnish Contract security deposit	Yes / No
6	Agreed to accept payment terms as per the tender specification	Yes / No
7	Agreed to adhere to delivery period of the tender specification	Yes / No
8	Agreed to accept penalty clause as per the tender	Yes / No
9	Attach past experience certificate for similar job in OSEB/ GRIDCO/ OPTCL or any other agencies	Yes / No
10	Agreed to keep validity of the offer 06month from the date of tender opening without any variation in tender clause.	Yes / No

**Date :**

**Signature of the Tenderer  
with seal.**