



ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡ.
ODISHA POWER TRANSMISSION CORPORATION LTD.

(A Government of Odisha Undertaking)

CIN – U40102OR2004SGC007553

REGD. OFFICE: JANPATH, BHUBANESWAR – 751022,
OFFICE OF THE DEPUTY GENERAL MANAGER (ELECT.)
EHT (O&M) DIVISION, DHENKANAL
AT: LAXMI NAGAR, SHYAMACHARANPUR, PIN-759001

DHENKANAL (ODISHA)
CIN: U4102OR2004SGC007553
/ GSTN: 21AAACO7873L1Z6
Email: ehm.div.dkl@optcl.co.in

TENDER SPECIFICATION
NO.04/2022-2023

FOR

**“Procurement of 75 Nos of 150watt, 230Volt LED Flood Lights for
Illumination of Switchyard Area of Different Grid Sub-Stations, under
EHT (O&M) Division, Dhenkanal”**

SALE OF TENDER SPECIFICATION: DT. 07-11-2022 (During office hour)

**LAST DATE SALE OF TENDER
SPECIFICATION: DT. 29-11-2022 (During office hour)**

**LAST DATE OF SUBMISSION OF
TENDER: DT. 29-11-2022 (Up to 1 P.M.)**

DATE OF OPENING OF TENDER: DT. 29-11-2022 (at 3.00 P.M.)

**COST OF TENDER PAPER: Rs. 2360/- (Cost of tender paper+18% GST
extra)**

ISSUED TO,

M/S.....

.....

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TENDER SPECIFICATION FOR TENDER CALL
NOTICE No. -04/2022-23
of EHT (O&M), DIVISION, DHENKANAL
INDEX

1.	SECTION – I	Instruction to Bidders
2.	SECTION – II	General terms & condition
3.	SECTION – III	Technical Specifications
4.	SECTION – IV	List of Annexures
	ANNEXURE – I	Technical specification of LED fitting furnished by the tenderer
	ANNEXURE – II	Schedule of Price
	ANNEXURE – III	Bid Security Declaration Form
	ANNEXURE – IV	Detail data sheet to be furnished by the tenderer
5.	COST OF TENDER PAPER (Non-refundable)	Rs. 2000/- + 18%GST=Rs.2360/- (Rupees Two thousand three hundred sixty) only by Cash/ Bank Draft drawn in favour of Deputy General Manager, EHT(O&M) Division, Dhenkanal, payable at SBI, Govindpur Branch, Dhenkanal, Odisha.
6.	SALE OF TENDER PAPER	From 07.11.2022 to Dt. 29.11.2022 . (During office hours) available in the office of the Deputy General Manager (Ele.), EHT (O&M) Division, OPTCL, Dhenkanal.
7.	LAST DATE OF RECEIVING OF TENDER PAPER	Dt.29.11.2022 up to 1.30 PM.
8.	DATE & TIME OF OPENING OF TENDER	Dt. 29.11.2022 at 3.00 P.M.
	Tender posted by the registered post to should be reached at:	Odisha Power Transmission Corporation Ltd., Office of the Deputy General Manager, EHT (O&M) Division, Laxmi Nagar, Shyamacharanpur, Dhenkanal-759001, Odisha

Notice Inviting Tender Advt. No. 04-/2022-23

Sealed Tenders are invited by the undersigned from the Manufacturers / Authorized Dealers /Suppliers with valid Dealership Certificate having valid PAN & Goods & Service tax certificate to supply the following materials.

SL. NO	DESCRIPTION	QTY (Nos)	COST OF TENDER PAPER (NON REFUNDABLE)	EMD (Refundable)	DATE OF DELIVERY
1	LED based flood light fittings, input 120 V-300V with 4kV internal and 20 kV external SPD, power consumption 150 watt including driver with Aluminium PDC/ heat sink housing and toughned glass clear cover with 60 Deg. Secondary optical lens. LED make: CREE/ Oslove Square Colour: Cool White 5700 K Protection : IP 66 Power Factor :>0.9 Driver Efficiency : 93% As per IS 16106-2012 Make : Crompton/ Philips/ Havells or Any equivalent brand (Detail specification in Annexure-I)	75	Rs. 2000/- + 18 % GST=Rs.2360/-	Rs.5000/-	45 days from the issue of purchase order

The tender document can be made available in the office of the undersigned on written request and payment of requisite amount towards cost of tender document by cash/Bank draft drawn in favour of Deputy General Manager, EHT (O&M) Division, Dhenkanal payable at SBI, Govindpur branch, Dhenkanal, Odisha. Additional amount of Rs.100/- (Rupees one hundred) only may be paid for postal delivery of tender document. The undersigned shall not be held responsible for any postal delay.

Date of Sale of Tender Paper: Dt. 07.11.2022 to Dt. 29.11.2022. (During Office Hours)

Last Date of Receipt of Tender Paper: Dt. 29.11.2022 up to 1.30 PM

Date of Opening of Tender Paper: Dt. 29.11.2022 at 3.00 P.M

If the last date of receipt opening of Tender falls in holiday, then the Tender paper will be Received /opened in the next working days.

The undersigned reserves the right to accept or reject any all tenders without assigning any reason thereof. For details please visit our web site: www.optcl.co.in. Corrigendum if any will be published in the web site only

Sd/-

Deputy General Manager (Elect.)
EHT (O&M) Division, Dhenkanal

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 other will be rejected.
- B) **Tender must be submitted in sealed cover subscribed as “Tender call Notice No. 04/2022-23: “Procurement of 150watt, 230Volt LED Flood lights for illumination of switchyard area of 132/33 KV Grid S/S, Dhenkanal, Kamakhya Nagar, Khragprasad, Khajuriakata & Kalarangi, under EHT (O&M) Division, Dhenkanal” on or before dt.29.11.2022 (13.30Hrs) & opening at 3:00PM on same day and addressed to the Deputy General Manager, EHT (O & M) Division, Dhenkanal.**
- C) Tender shall be submitted either in person or by registered post & 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 Deputy General Manager, EHT (O & M) Division, Dhenkanal, At- Laxmi Nagar Shyamacharanpur, Dhenkanal, Odisha-759001.** Tenders received after due date due to postal delay or any other reason will not be considered. The tenderer who wants to receive the tender paper by post have to deposit additional Rs 100.00 along with the tender paper cost.

2. (i) Bid Documents:-

- (a) **Tender Papers-01 Set (all pages signed by bidder)**
- (b) **Money receipt of Tender paper Purchased (original & a Photocopy)**
- (c) **Self attested Photocopy of PAN-01no**
- (d) **Self attested Photocopy of GST-01no**
- (e) **Self attested Photocopy of certificate of Manufacturers/ Authorized Dealership certificate -01no.**

Bid Documents are compulsory otherwise bid will be treated as cancelled.

- (ii) **Experience:** - The bidders may submit a copy of past experience if any regarding supply of similar materials to GRIDCO/ OPTCL or any other state or central PSUs/Govt.

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 PAN card/ GSTIN/ GST certificate must be enclosed with the tender bids.

B. Bidders themselves or their authorized representatives (possessing authorization letter in original) shall be allowed to attend opening event of the tenders.

6. 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 Tenderers on individual merits of the Tenderer. 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 Tenderer that the purchaser need not assign any reason for any of the above action[s].

7. SUBMISSION OF SAMPLE:

The bidders are requested to submit the sample of each item quoted by them to this office on or before tender opening date. 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.*

8. EVALUATION OF PRICE BIDS:

Order on the firm will be placed on the basis of L1 evaluated price of the techno-commercial and sample scrutiny qualified bidders. However OPTCL reserves the right to split up the orders among bidders on individual merits of the bidders, if the situation so warrants, in the interest of OPTCL. All the bidders may be required to explain / justify the basis of their quoted rates as and when asked for. In case, any bidder fails to justify his quoted rates or refuses to co-operate in this regard, they will not be considered for participating in the tendering process and will not be allowed to participate in any future tender for a period of (3) three years.

9. Tender should be prepared clearly and without any overwriting and corrections. Erasures and other changes shall bear the dated initial of the person signing the Tender.

10. 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.

GENERAL TERMS AND CONDITIONS

1. **Validity:** Tenderers are requested to keep the validity of their offer for a period of 06 months from the date of opening of tender.
2. **Price:** The price quoted by tenderer should be firm, 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 tender may quote rate in respect of different make materials as per scheduled.
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 45 days of receipt of purchase order. Time extension for another 30days of purchase order may be considered. If failed for supply of the materials, 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. **Bid Security Declaration Form against EMD:** Tenderers are not required to submit any earnest money (EMD) / Bid Security towards participation in the tender. However the tenderer is required to submit the **Bid Security Declaration** in their firm's letter pad, as per **Annexure-III, Section IV** of this tender document **in lieu of the Earnest Money (EMD)**.

If the tenderer withdraws or modifies the bid/s during the tender validity period or fails to execute formal contract agreement within the given timeline or commit any breach of Tender Conditions/ Contract which attracts penal action of forfeiture of EMD, then the firm will be suspended from bidding/ award of all future contract(s) of EHT (O&M) Division, OPTCL, Dhenkanal for a period of **12 months** from the date of committing such a breach.

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 03% (three percent) of contract value in shape of Bank Draft in favour of **Deputy General Manager, EHT (O&M) Division, Dhenkanal, payable at SBI, Govindpur Branch. If the security deposit is not submitted, 03% of the contract**

value will be deducted from the bill. 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. **If Security Deposit not claimed for refund within a period of three years after completion of work, it will be forfeited.**

- 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 **24 (twenty four) months** 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 damaged 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 despatched by Rail/ road transport to 132/33 KVGrid s/s, Dhenkanal.
- 13. Consignee:** -The **SDO, 132/33KV Grid S/S, Dhenkanal** is the consignee & verifying officer for the contract.
- 14. Paying Officer:** The **DGM, EHT (O&M) Division, Dhenkanal** is the paying officer for this contract.
- 15. 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.

A. TECHNICAL SPECIFICATIONS

Sl. No.	Parameter	Requirement
1	Model No/ Catalogue Ref	To be mentioned by Tenderer
2	Make of Luminaire	Crompton/ Philips/ Havells or Any equivalent make
3	Rated System Wattage (Watts)	150W±10%
4	Optical Assembly	High Power Discrete LED's with individual Lens designed to optimize application efficiency
5	Beam Angle	60° for Luminaire
6	Power Factor	≥0.95
7	Operating Voltage range (Volts)	140 - 300 VAC
8	SYSTEM CURRENT @ 240V AC	0.7A ±10%
9	Supply Frequency (Hz)	50
10	Total Harmonic Distortion (%)	<10%
11	Surge Protection (KV)	(Should strictly adhere to) 4KV inbuilt Surge protection along with 440V withstand protection in driver + Additional 10KV external SPD
12	LED Efficacy	≥120 Lm/W (Manufacturer to submit proof for the same)
13	System Efficacy (lumen/watt)	≥120 Lm/W
14	Ingress Protection (IP)	IP66
15	Mechanical Impact of the entire fitting (IK)	IK07
16	Housing	Water proof dust proof sealed Housing with pressure Die-cast Aluminium having separate compartment for driver.
17	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 2.5mm with 180° angular rotation of luminaire
19	Colour Rendering Index (CRI)	≥80
20	Working Life for LED (@L70) (No. of hours)	Minimum 50,000 Burning Hours as per LM-80 Report

21	Colour Temperature (Deg. Kelvin)	5700° to 6500°K
22	Make of LED manufacturer	CREE / NICHIA / Toyoda Gosei / OSRAM/ Lumiled / Seoul Semiconductors
23	Operating Temperature Range	Minimum -5 °C To 70 °C
24	Driver	SMPS based Constant Current Supply One No. Independent Drivers for the Luminaire
25	Driver Protection	Short Circuit, Over Load, Open Circuit No - Load, Surge Protection, EMI & Environmental
26	Driver Type	Constant Current, potted driver with internal Surge Protection of $\geq 4\text{KV}$, CE marking & ROHS Compliant
27	Driver Efficiency	$\geq 90\%$
28	Driver Compliance	1. IS 15885 (Part 2/Sec 13) as per BIS Certificate 2. The Driver having CE marking & ROHS compliance shall be given preference.
29	Driver Life class (Br. Hrs.)	>15000 Burning Hours
30	Driver Make	Philips Xitanium / Inventronics / Ecoled / Mean well or any other reputed make with valid BIS Certification
31	Warranty / Guarantee	2 Years (24 months) from the date of delivery
32	Make of Lens:	LEDIL / KHATOD / OPTIKS MECHATRONICS/ OPTICA

B. Mandatory Documents to be submitted along with offer apart from the one mentioned above:

1	Technical Data Sheet of the Offered Luminaire	Technical Data Sheet of the Offered Luminaire to be submitted along with the Offer.
2	Authorisation Certificates	Luminaire manufacture has to submit the Authorisation Certificates from LED chip manufacturer, Secondary optical lens manufacturer and Driver manufacturer.
3	LM 79 (Photometry) Report	LM-79 Report mentioning Total Lumen output, Power Factor, Current in Amps, CRI & CCT of the offered Luminaire to be submitted along with the Offer.
4	LM 80 Report & Photo-biological Report for LED	LM-80 Report & the Photo-biological Report of the LED Chip being used in the offered Luminaire to be submitted along with the Offer.
5	Driver Certification	ROHS, CE, UL Report of Driver, BIS Certificate of

		the Driver
6	IP66 Report	To be submitted by Luminaire manufacturer.
7	Report	As per requirement, all the test Certificates / reports are to be obtained from NABL Accredited Laboratories for the quoted Luminaire, Driver & LED Chip

N.B:

- LUMINARY MANUFACTURER HAS TO BRING ONE SAMPLE ON THE DAY OF TENDER OPENING, WITHOUT SAMPLE THEIR TENDER WILL NOT BE ENTERTAINED.
- ALL THE CERTIFICATES AND TEST REPORTS SHOULD BE VALID FOR THE DURATION OF TENDER OPENING UP TO TENDER FINALIZATION.



Technical Specifications of LED fitting furnished by the tenderer

Sl. No.	Parameter	Requirement
1	Model No/ Catalogue Ref	
2	Make of Luminaire	
3	Rated System Wattage (Watts)	
4	Optical Assembly	
5	Beam Angle	
6	Power Factor	
7	Operating Voltage range (Volts)	
8	SYSTEM CURRENT @ 240V AC	
9	Supply Frequency (Hz)	
10	Total Harmonic Distortion (%)	
11	Surge Protection (KV)	
12	LED Efficacy	
13	System Efficacy (lumen/watt)	
14	Ingress Protection (IP)	
15	Mechanical Impact of the entire fitting (IK)	
16	Housing	
17	Luminaire cover / glass	
18	Luminaire mounting arrangement	
19	Color Rendering Index (CRI)	
20	Working Life for LED (@L70) (No. of hours)	
21	Color Temperature (Deg. Kelvin)	
22	Make of LED manufacturer	
23	Operating Temperature Range	
24	Driver	

25	Driver Protection	
26	Driver Type	
27	Driver Efficiency	
28	Driver Compliance	
29	Driver Life class (Br. Hrs.)	
30	Driver Make	
31	Warrantee / Guarantee	
32	Make of Lens:	

Check List of Mandatory Documents

1	Technical Data Sheet of the Offered Luminaire	
2	Authorisation Certificates from a. LED chip manufacturer b. Secondary optical lens manufacturer c. Driver manufacturer	
3	LM 79 (Photometry) Report	
4	LM 80 Report & Photo-biological Report for LED	
5	Driver Certification	
6	IP66 Report	



**Signature of the Tenderer
with seal**

SCHEDULE OF PRICE

SI No	Description of Work	Unit	Quantity	Rate	Amount (in Rs.)	<u>CGST@9%</u>	<u>SGST@9%</u>	Total Amount (in Rs.)
1	150watt, 230volt, LED based Flood Light with complete outdoor fittings(Crompton Greaves/ Havells/ Philips or any equivalent brand) (Detail specification in Annexure-I)	No.						
							Grand Total Rs.	

Or say Rs.

Schedule of Price

(Rupees.....) only.

Date
PlaceSignature of the Tenderer
with seal.

Dy. General Manager

EHT (O&M) Division, OPTCL

Dhenkanal

BID SECURITY DECLARATION FORM

(To be submitted on letter head of the bidding company with sign and stamp and along with Technical bid)

To,

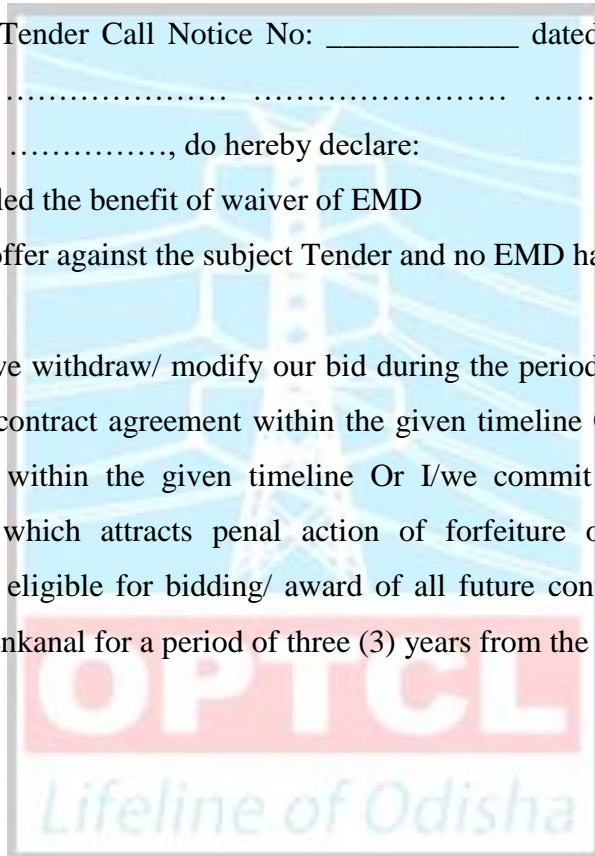
The Deputy General Manager (Elect.),
EHT (O&M) Division, OPTCL, Dhenkanal.

I/We, the authorized signatory of M/s
participating in the E-Tender Call Notice No: _____ dated _____ for the
work of.....

....., do hereby declare:

(i) That I/we have availed the benefit of waiver of EMD
while submitting our offer against the subject Tender and no EMD has been deposited for the
said tender.

(ii) That in the event we withdraw/ modify our bid during the period of validity Or I/we fail
to execute the formal contract agreement within the given timeline Or I/we fail to submit a
Performance Security within the given timeline Or I/we commit any breach of Tender
Conditions/ Contract which attracts penal action of forfeiture of EMD, I/we will be
suspended from being eligible for bidding/ award of all future contract(s) of EHT (O&M)
Division, OPTCL, Dhenkanal for a period of three (3) years from the date of committing such
breach.



Signature and Seal of Authorized Signatory of bidder

Name of Authorized Signatory.....

.....

Firm/Proprietorship Name

.....

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

1	Name of the Agency/Contractor with detailed Postal Address:	
2	EMD-Rs.5000/-	
3	Attested copy of GST Certificate furnished	GST No.....
4	Attested copy of PAN Card	PAN No.....
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 06 months from the date of tender opening without any variation in tender clause.	Yes / No
11	Attested copy of Manufacturer/Dealership Certificate	Yes / No

Date

Signature of the Tenderer
with seal