

ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)
OFFICE OF THE GENERAL MANAGER (ELECT)
EHT (O & M) CIRCLE, BURLA
P.O.-BURLA, DIST-SAMBALPUR (ODISHA) PIN- 768017
CIN: U40102OR2004SGC007553

E-TENDER CALL NOTICE NO. BRL-25/2024-25 TOW PART BIDDING SYSTEM

Sealed tenders in duplicate are invited by the undersigned from Reputed Bidders having valid IT, PAN and GST Registration certificate for "Supply of 119 Nos. of 150Watt LED Flood light and 38 Nos. of 90Watt LED Street Light for different Grid Sub-Station under EHT (O&M) Division, Burla and 190Nos. of 150Watt LED Flood light for different Grid Sub-Station under EHT (O&M) Division, Rourkela".

SL. NO.	DESCRIPTIONS	EMD Rs.	COST OF TENDER PAPER Rs.
1	Supply of 119 Nos. of 150Watt LED Flood light and 38 Nos. of 90Watt LED Street Light for different Grid Sub-Station under EHT (O&M) Division, Burla and 190Nos. of 150Watt LED Flood light for different Grid Sub-Station under EHT (O&M) Division, Rourkela	1% of quoted value	7080.00 Inclusive of GST @ 18%

Date of sale of tender paper

- From 19.11.2024 to 05.12.2024 up to 17:00 Hrs
at www.tenderwizard.com/OPTCL

Last date & Time of Receipt of Tender paper

- On or before 06.12.2024 up to 13:00 Hr at
EHT (O&M) Circle, Burla

Date of Opening (Technical bid only)

- On 06.12.2024 at 15:30 Hr.

Date of opening of financial bid (those who have qualified in technical bid only)

- Will be intimated later (those who have qualified in technical bid)

The tender specification can be made available in the www.tenderwizard.com/OPTCL.

The undersigned shall not be responsible for non receipt or late receipt of tender documents due to postal delay or delay at any stage. Incomplete tender and the tender received after the due date and time shall be liable for rejection.

The undersigned reserves the right to vary any quantity/accept or reject any or all the tenders without assigning any reason thereof.


General Manager (Elect)
E.H.T. (O&M) Circle, Burla



NOTICE INVITING TENDER
ODISHA POWER TRANSMISSION CORPORATION LIMITED
OFFICE OF THE GENERAL MANAGER (ELECTRICAL)
EHT (O & M) CIRCLE, BURLA

☎9438907735, e-mail: ehm.cle.brl@optcl.co.in
CIN: U40102OR2004SGC007553

E-TENDER NOTICE NO- BRL-25/2024-25

For and on behalf of the ODISHA POWER TRANSMISSION CORPORATION LTD., the undersigned invites bids under Two part bidding system in e- tendering mode only as per the following details.

Sl.No	Tender Specificati on No.	Location Details.	INDIAN RUPEES			Last date of submission & Date of opening of Tender (Technical Bid only).
			Earnest Money Deposit.	Cost of Tender Spec. Document (Including GST)	Tender Processing Fee.	
1	E -Tender No. 25/2024-25	As per Annexure	1% of Quoted value	Rs.7080/- [Only in the shape of DD]	Rs. 1915/-	up to dt- 06.12.2024 (13:00 Hrs) and 06.12.2024 at 15:30 hrs.

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

The bidders who want to submit bid shall have to pay Rs.7,080/- (Rupees Seven Thousand Eighty only including GST @ 18% non refundable) towards the tender cost, **in the form of Demand draft only**, drawn in favour of General Manager, E.H.T(O&M) Circle, Burla payable at Burla at the office of the undersigned on or before the last date & time of submission of tender.

The bidders shall have to submit non-refundable amount of Rs. 1915/- (Rupees One thousand Nine hundred Fifteen only) towards the tender processing fee through **e- payment** mode. Tender processing fee acknowledgement is to be submitted along with tender Paper cost at the office of the undersigned on or before the last date & time of submission of tender.

The bidders shall scan the Demand Draft/Pay order/ Bank guarantee towards, Tender Cost and 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 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.

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Minimum qualification criteria of bidders: AS STIPULATED IN SECTION-II, (G.T.C.C) OF THE TENDER SPECIFICATION.

The Quantum of Work as in Table below


FOR 150 WATT LED FLOOD LIGHT (MAKE- BAJAJ, HAVELLS, PHILLIPS, CROMPTON & POLYCAB)		
Sl. No.	Parameter	Requirement
1	Rated System Wattage (Watts)	150W±10%
2	Optical Assembly	High Power Discrete LED's with individual Lens designed to optimized application efficiency
3	Beam Angle	90° for Luminaire
4	Power Factor	≥0.95
5	Operating Voltage range (Volts)	120 - 270 VAC
6	SYSTEM CURRENT @ 240VAC	0.66A ±10%
7	Supply Frequency (Hz)	50
8	Total Harmonic Distortion (%)	<10%
9	Surge Protection (kV)	(Should strictly adhere to) 4KV inbuilt Surge protection along with 440V withstand protection in driver + Additional 10KV external SPD
10	LED Efficacy	≥140 Lm/W (Manufacturer to submit proof for the same)
11	System Efficacy (lumen/watt)	≥100 Lm/W
12	Junction Temperature (Tj)	The Junction Temperature shall be <75 Deg. C at 25 Deg. C to 30 Deg. C Ambient Temperature
13	Ingress Protection (IP)	IP66
14	Mechanical Impact of the entire fitting (IK)	IK07
15	Housing	Water proof dust proof sealed Housing with pressure Die-cast Aluminium having separate compartment for driver.
16	Finish	All Weather Durable Matte Finish Powder Coating
	Luminaire cover / glass	Heat resistant toughened glass
17	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
18	Color Rendering Index (CRI)	≥80
19	Working Life for LED (@L70)(No. of hours)	Minimum 50,000 Burning Hours as per LM-80 Report
20	Color Temperature (Deg. Kelvin)	5700° to 6500°K
21	LED Drive Current (A)	Not more than 85% of the rated current carrying capacity of LED
22	Make of LED manufacturer	CREE / NICHIA / Toyoda Gosei / OSRAM / Lumiled / Seoul Semiconductors
23	Humidity (% min & max - Relative humidity)	10% to 95% RH
24	Suitability for dusty conditions	Yes
25	Operating Temperature Range	Minimum -5° C To 70°C

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26	Driver	SMPS based Constant Current Supply One No. Independent Drivers for the Luminaire
27	Driver Protection	Short Circuit, Over Load, Open Circuit No - Load, Surge Protection, EMI & Environmental
28	Driver Technical Data Sheet	Technical Data Sheet of the Driver used in the offered Luminaire to be submitted along with the Offer.
29	Driver Type	Constant Current, potted driver with internal Surge Protection of $\geq 4KV$, CE marking & ROHS Compliant
30	Driver Efficiency	$\geq 90\%$
31	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.
32	Driver Life class (Br. Hrs.)	>15000 Burning Hours
33	Driver Make	Philips or any other reputed make with valid BIS Certification
34	Warrantee / Guarantee	As per Clause No 14 of Section II, Part 1 i.e. 2 Years. Any bidder providing additional warranty of +1 year shall be given preference.
35	LENS:	900 Secondary Optical Lens
36	MAKE OF LENS:	LEDIL / KHATOD / OPTIKS MECHATRONICS/ OPTICA
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	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 & 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	Report	As per requirement, all the test Certificates / reports are to be obtained from NABL Accredited Laboratories for the quoted Luminaire, Driver & LED Chip

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FOR 90 WATT LED STREET LIGHT (MAKE- BAJAJ, HAVELLS, PHILLIPS, CROMPTON & POLYCAB)	
Sl. No.	Technical specification for 90W LED Street light in complete shape
1	<p>Supply of lighting fixture of 90Watt LED Street light (Make- Bajaj/ Havells/ Crompton/ Phillips & Polycab) having power coated pressure dia cast Aluminium housing clear toughened glass having following specification.</p> <p>LED LM80 certified high power LED, Lens: Suitable secondary lens for better light distribution, Gear: Integral electronic constant current driver of min 85% efficiency, Internal wiring: Teflon insulated, Cu Conductor, Hardware: SS& MS Zinc plated & passivated, Ingress Protection: IP 66 and above, Lumen Maintenance: 50,000 Hrs @ L70, Operating Temperature: 10° C to 50° rated Voltage: 240V, 50Hz AC, Wattage: 90±10%, Current: 0.43A, PF: <10%, Lumen: 7700Lm, Efficiency: >85Lm/W, CCT: 5700K, CRI: >70, Weight: 4.Kg.</p> <p>Protections: Open & Short Circuit protection, reverse polarity operation & Surge protection.</p>


GENERAL MANAGER (Elect.)
EHT (O&M) CIRCLE, BURLA