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ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)

EHT (O&M) DIVISION, BERHAMPUR

DUDUMA COLONY, DIGAPAHANDI ROAD, BERHAMPUR-760006

Tel No.: 0680-2271587/ 9438907572

Mail Id: ehm.div.bam@optcl.co.in

TENDER SPECIFICATION

ON

N.I.T No : 08/2018-19

For

Supply of outdoor type 150watt LED based flood light with complete fittings at Grid S/s Narendrapur & Berhampur.

Cost of tender paper Rs. 2000/- + GST@12 % =Rs.2240/-

(Rupees Two thousand Two hundred & Forty only)

ISSUED TO:-

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Estimated Cost: Rs 4,09,360/-



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ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
E.H.T (O&M) DIVISION, BERHAMPUR
AT- Duduma Colony, Digapahandi Road, Berhampur- 760 006
Telephone: (0680)2271587, E-mail: ehtm.div.bam@optcl.co.in

Notice Inviting Tender Advt. No: O.T No. 08/2018-19

For and on behalf of OPTCL sealed tender invited by the undersigned the manufacturers / Authorized Dealers and registered ordered suppliers having valid GST, authorized dealership certificate "Supply of outdoor type 150watt LED based flood light with complete fitting at Grid S/s Narendrapur & Berhampur".

SL. NO	DESCRIPTION	QTY (NOS)	MAKE	COST OF TENDER PAPER	DATE OF DELIVERY
01	Supply of outdoor type 150watt LED based flood light with complete fittings at Grid S/s Narendrapur & Berhampur	43	Crompton/ Phillips/ Bajaj/ Havells/ G.E/ Frequency/ Pyrotech/ Goldwyn/ Syska	Rs. 2000/- +GST @12%	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 Dy. General Manager, EHT (O & M) Division, Berhampur payable at Berhampur, Odisha. Those who wants to receive tender paper over post are required to deposit additional amount of Rs 100/- (Rupees one hundred). The undersigned will not be held responsible for any postal delay.

The bid must be accompanied with an amount Rs **4,100/-** as EMD in shape of DD/Cash drawn in favour of Dy. General Manager, EHT(O & M) Division, Berhampur payable at Berhampur, Odisha. The tender documents will be opened in the office of the undersigned in the presence of the Bidders (or) their Authorized Representatives present if any on 04.01.2019. 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.

Date of Sale of Tender Paper: From 20.12.2018 to 03.01.2019 (Office Hours)
Last Date of receipt of Tender Paper: 04.01.2019 up to 01.00 PM.
Date of Opening of Tender Paper: 04.01.2019 at 03.00 PM.
Tender should be dropped in **Tender BOX-2**.

The authority reserves all rights to reject any, all or part of the Tender, alter/modify the requirement/ delete any part of the tender 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.

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

TENDER SPECIFICATION FOR N.I.T No: 08/2018-19

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7.	COST OF TENDER PAPER (Non-refundable)	Rs. 2000/- + GST @12% = Rs.2240/- (Rupees Two thousand two hundred forty only) by Cash/ Bank Draft drawn in favour of Dy. General Manager, EHT(O & M) Division, Berhampur payable at Berhampur, Odisha.
8.	E.M.D	Rs 4,100/- only by cash / bank draft drawn in favour of Dy. General Manager, EHT (O & M) Division, Berhampur payable at Berhampur, Odisha.
9.	SALE OF TENDER PAPER	From 20.12.2018 to Dt. 03.01.2019 . (During office hours) available in the office of the Dy. General Manager (Ele.), EHT(O&M) Division, OPTCL, Berhampur.
10	LAST DATE OF RECEIPT OF TENDER PAPER	Dt. 04.01.2019 up to 1.00 PM.
11	DATE & TIME OF OPENING OF TENDER	Dt. 04.01.2019 at 3.00 P.M & & should be dropped in Tender Box –2.
12	Tender posted by the registered post to should be reached at:	Odisha Power Transmission Corporation Ltd., Office of the Dy. General Manager, EHT (O & M) Division, Duduma Colony, Digaphandi Road, Berhampur-700 006, Odisha

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) Only those who have purchased the Tender specification from this office can submit their Tender. Tenders submitted by other mean will be rejected. Bidders must submit their bids with original signature.
- B) Tender must be submitted in sealed cover subscribed as “**N.I.T No:08/2018-19: Supply of outdoor type 150watt LED based flood light with complete fittings** and addressed to the Dy. General Manager, EHT (O & M) Division, Berhampur.
- C) Tender shall be submitted either in person or by registered post. The authority is not responsible for receipt of tender after due date due to postal delay or any other reasons and 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 (Rupees One hundred) along with the tender paper cost. Detailed postal address with PIN No., Phone / Fax/Email of bidder must be mentioned in the application requesting for tender document.
- D) The bidder is to deposit EMD @ **Rs 4,100** /- in shape of cash / bank draft drawn in favour of Dy. General Manager, EHT (O & M) Division, Berhampur. 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. The EMD of successful tenderers will be refunded only 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 bidders may submit the copy of past experience if any regarding supply of similar materials to GRIDCO/ OPTCL/ PGCIL or any other state or central PSUs. Experience bidder will be given more preference to other.

3. FORFEITURE OF EMD:

- A) In the event the successful tenderer fails to carry out the works / partly carry out the works 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.
- C) The EMD not claimed within a period of **one year** from the date of issue of this order & the Security deposit not claimed for refund within **three years** after completion of contract, will be forfeited. Hence you are requested to claim the EMD & the Security deposit within the scheduled period.

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/ GST Registration Certificate must be enclosed with the tender bids.

B) Bidders themselves or their authorized representatives limited to one person only (possessing authorization letter in original) will 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 undersigned reserves the right to reject the lowest or any other Tender or all tenders without assigning any reason what so ever.
7. The bidders are advised to inspect the site before assessing their rate to be quoted in tender. The evaluation will be made as per statutory applicable taxes, if not specified by the bidders. 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.
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

GENERAL TERMS AND CONDITIONS

1. **Validity:** Tenderers are requested to keep the validity of their offer for a period of 03months from the date of opening of tender.
2. **Price:** The bidders are advised to quote their rate as per the price schedule at Annexure – I. The unit rate and the total amount should be entered in figures and words. In case of any difference between figure and words in the price schedule, the price mentioned in words should be taken into consideration for evaluation.
3. **Terms of Payment:** 100% payment with taxes etc shall be made after receipt of materials in full and in good condition & verification thereof by the consignee.
4. **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.
5. **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 %) 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.
6. **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.
7. **Security Deposit:** The tenderers whose offer qualifies for acceptance will be awarded supply Order have to be deposit Security-cum-performance guarantee equal to 10% (Ten percent) of contract value in shape of Cash / Bank Draft/ BG/ KVP pledge in favour of **Dy. General Manager, EHT (O&M) Division, Berhampur**. The Security deposit will be released after two months of completion of the guarantee period subject to fulfilment of guarantee stated under clause-10 on a receipt of application for this purpose. No interest shall be paid to the contractor towards the security deposit so deposited by the contractor.
8. **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 & inspection. 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.

9. **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.
10. **Despatch Instruction:** The materials should be securely packed and dispatched by Rail/ road transport to Grid S/S, Berhampur / Narendrapur. The cost of transportation will be borne by the supplier.
11. **Consignee:** - The DGM, TLS, Narendrapur & SDO, TLS, Berhampur is the consignee & verifying officer for the materials supplied to their jurisdiction.
12. **Paying Officer:** The **DGM, EHT (O&M) Division, Berhampur** is the paying officer for this contract.
13. **Submission of GST :** - Clear attested Xerox copy of valid GST Registration should be submitted along with the tender.
14. **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

SECTION-III

Technical Specifications 150watt LED based outdoor type Flood Light		
Sr. No.	Parameter	Requirement
1	Operating Voltage range (Volts)	120 - 300 VAC
2	Rated System Wattage (Watts)	150watt including driver \pm 05%
3	Optical Assembly	High Power Discreet LED
4	Beam Angle (Lens)	60° for Luminaire (60° Secondary Optical Lens)
5	Make of LENS	LEDIL or equivalent
6	Power Factor	\geq 0.9
7	Supply Frequency (Hz)	50
8	Total Harmonic Distortion (%)	<10%
9	Surge Protection (kV)	Internal 04KV in driver + 10KV external SPD
10	LED Efficacy	>120 Lm/W (Manufacturer to submit proof for the same)
11	System Efficacy (lumen/watt)	\geq 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	Housing	Pressure Die Cast Heat sink Housing. Aluminium extrusion heat sink will be preferable.
15	Luminaire cover / glass	Heat resistant toughened glass
16	Luminaire mounting arrangement	Adjustable mounting arrangement
17	Colour Rendering Index (CRI)	\geq 70
18	Working Life for LED (No. of hours)	Minimum 50,000 Burning Hours as per LM-80
19	Colour Temperature (Deg. Kelvin)	5700K- 6500K (Cool White)
20	LED Drive Current (A)	Not more than 85% of the rated current carrying capacity of LED
21	Make of LED manufacturer	CREE / NICHIA / Philips Lumiled / OSRAM
22	Humidity (% min & max - Relative humidity)	10% to 90% RH
23	Suitability for dusty conditions	Yes
24	Operating Temperature Range	Minimum -5° To 55° C
25	Driver	One No. Independent Drivers for the Luminaire With BIS Standard
26	Driver Protection	Short Circuit, Over Load, Open Circuit No - Load, & Environmental
27	Driver Make	Inventronics / Philips Xitanium
28	Driver Type	Constant Current potted driver with internal Surge Protection of 4KV, BIS standard
29	Driver Efficiency	\geq 90%
30	Warrantee / Guarantee	2Years from the Date of supply against Manufacturing Defect only

Dy. General Manager

Annexure –I

Technical Specifications 150watt LED based outdoor type Flood Light		
Sr. No.	Parameter	Requirement
1	Make/ brand of LED light fitting	
2	Operating Voltage range (Volts)	
3	Rated System Wattage (Watts)	
4	Optical Assembly	
5	Beam Angle (Lens)	
6	Make of LENs	
7	Power Factor	
8	Supply Frequency (Hz)	
9	Total Harmonic Distortion (%)	
10	Surge Protection (kV)	
11	LED Efficacy	
12	System Efficacy (lumen/watt)	
13	Junction Temperature (Tj)	
14	Ingress Protection (IP)	
15	Housing	
16	Luminaire cover / glass	
17	Luminaire mounting arrangement	
18	Colour Rendering Index (CRI)	
19	Working Life for LED (No. of hours)	
20	Colour Temperature (Deg. Kelvin)	
21	LED Drive Current (A)	
22	Make of LED manufacturer	

23	Humidity (% min & max - Relative humidity)	
24	Suitability for dusty conditions	
25	Operating Temperature Range	
26	Driver	
27	Driver Protection	
28	Driver Make	
29	Driver Type	
30	Driver Efficiency	
31	Warrantee / Guarantee	
Mandatory Documents to be submitted along with Offer.		
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 (BIS Certificate of the Driver)
3	LM 79 (Photometry) Report from NABL approved Lab	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	Authorization Certificate	Luminary manufacture has to submit the authorization certificate from led chip manufacturer like CREE / NICHIA / Philips Lumiled / OSRAM

Signature of tenderer

Schedule of Price

Sl No	Description of Materials	Make	Quantity	Unit Rate	Unit rate in word	GST	Unit landing Cost including All taxes & Duties.
1	2	3	4	5	6	7	8 = (4*7)
1	150watt LED based flood light complete fitting of make: (Crompton/ Phillips/ Bajaj/ Havells/ G.E/ Frequency/ Pyrotech/ Goldwyn/ Syska)						
a	Berhampur Grid		15nos				
b	Narendrapur Grid		28nos				

Date:
Place:

Signature of tenderer
with seal

Dy. General Manager

Annexure –II

DETAILED DATA SHEET TO BE FURNISHED BY THE TENDERERS

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

Date

Signature of the Tenderer
with seal

N.B: Please tick mark the furnished one & strikeout the other.

NO RELATION CERTIFICATE

This is to Certify that, I/ We _____
have no relationship with any of the employee in the rank of Asst. Manager and above
serving under EHT(O&M), Division, OPTCL, Berhampur. In case the above
statement is found to be false, I/We may be debarred from any payment due on
account of this contract.

**Signature of the Tenderer
with seal.**