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OFFICE OF THE DEPUTY GENERAL MANAGER: ELECTRICAL,
EHT (O&M) DIVISION, BHANJANAGAR, AT: KANTEIPALLI
POST: BADAPADA, DIST: GANJAM (ODISHA), PIN: 761 124

E.mail- ehtm.div.bnj@optcl.co.in

GSTIN: 21AAACO7873L1Z6

TENDER SPECIFICATION FOR NIT NO- 01/2020-21

FOR

SUPPLY OF 150 WATT LED BASED FLOOD LIGHTS WITH COMPLETE FITTINGS REQUIRED AT GRID SUB-STATION, BHANJANAGAR & PHULBANI UNDER EHT(O&M) DIVISION, BHANJANAGAR

ISSUED TO

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COST OF TENDER PAPER = Rs. 2000/- + 12% GST = Rs. 2240/-



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TENDER CALL NOTICE No. 01/2020-21

For and on behalf of OPTCL, sealed tenders are invited by the undersigned from manufacturers/Authorized Dealers having valid IT PAN, GST Certificate not registered in Composite Scheme for "Supply of 150 Watt LED based Flood Lights with complete fittings required at Grid Sub-station, Bhanjanagar & Phulbani" under EHT(O&M) Division, Bhanjanagar.

Commencement of Sale of Tender Paper:- From Dated 10.06.2020 to Dated 29.06.2020 up to 12:00 PM.

Last Date of Submission of Tender Paper:- Dated 29.06.2020 up to 2:00 PM.

Date of Opening of Tender Paper:- Dated 29.06.2020 at 3:00 PM.

Cost of Tender paper:- Rs. 2,000/- + [GST@12%](#) = Rs. 2,240/-

EMD @1% of estimated cost:- Rs. 2520 /-

The Tender specification can be obtained on payment of Rs. 2,000/- + [GST@12%](#) = Rs. 2,240/- in shape of Cash / Bank Draft drawn in favour of **EHT (O&M) Division, OPTCL, Bhanjanagar payable at Bhanjanagar** and an additional amount of Rs. 100/- (Rupees one hundred) only may be paid for postal delivery. The undersigned shall not be held responsible for any postal delay. The tender must be accompanied with requisite EMD in shape of Cash / Bank Draft drawn in favour of **EHT (O&M) Division, OPTCL, Bhanjanagar payable at Bhanjanagar**. Incomplete tender and tender without EMD shall be rejected. If the last date of receipt/opening of Tender falls on a Holiday, then the tender paper will be received/ opened in the next working day. The undersigned reserves the right to accept or reject any or all tenders without assigning any reason thereof.

Sd/-

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

**TENDER SPECIFICATION FOR NIT NO. 01/2020-21
OF
EHT (O&M) DIVISION, BHANJANAGAR**

FOR

**SUPPLY OF 150 WATT LED BASED FLOOD LIGHTS WITH COMPLETE
FITTINGS REQUIRED FOR GRID SUB-STATION, BHANJANAGAR &
PHULBANI UNDER EHT(O&M) DIVISION, BHANJANAGAR**

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SECTION-I

INSTRUCTIONS TO BIDDERS

1. The bidders must read in detail the “Instructions to Bidders”, “General Terms and Conditions of Contract” and “Technical Specifications” before filling the Tender documents. There are seven sections in this Tender Specification.

2. **TENDERS:**

- a. Bidders must submit their bids with original signature.
- b. Manufacturers, Authorized Dealers are only eligible to quote. In case of authorized dealer, necessary authorized dealership certificate should be submitted along with tender which should be valid on the date of opening of the tender.
- c. Only those bidders who have purchased the relevant tender specification from this office can submit their tender. Tenders submitted by others will be rejected. The bidders should indicate the money receipt number and date of purchase of tender specification from this Office. Bidders must submit their bid documents duly filled in our specification only.
- d. Tender must be submitted in sealed envelope super scribed as Tender Call Notice No. 01/2020-21 for Supply of 150 Watt LED based Flood Lights with complete fittings required for Grid Sub-station, Bhanjanagar & Phulbani under EHT(O&M) Division, Bhanjanagar on or before the opening and addressed to the Dy. General Manager, EHT (O&M) Division, Bhanjanagar.
- e. Tender shall be submitted either in 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, Phone No./FAX No., Mail-Id must be mentioned in the application requesting for Tender document on the Tender Bid. The Tender submitted in person is to be dropped in the Tender Box. Tender received after due date and time will not be considered. The authority will not be responsible for receipt of Tender after due date and time due to postal delay or any other reasons.
- f. Tenders shall not be submitted telegraphically or by FAX.
- g. Conditional offers will not be accepted.
- h. If the last date of receipt/opening of tender falls on a holiday, it will be received/ opened on the next working day in same time.

3. **EARNEST MONEY DEPOSIT (EMD):**

A) The tender must be accompanied by an amount which is equal to 1% of the estimated cost i.e; Rs. 2,520/- as EMD in shape of Cash / Bank Draft drawn in favour of **EHT(O&M) Division, OPTCL, Bhanjanagar payable at Bhanjanagar**. Those who claim exemption from furnishing the EMD should submit the copies of documents on the basis of which exemption is claimed. The EMD of successful Bidders will be refunded after deposit of security-cum-performance deposit. The EMD of all unsuccessful Bidders will be refunded on written request and 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.

B) Conditional offers will not be accepted.

4. **EXPERIENCE:** The Bidders should possess valid authorized dealership/ Manufacturers/ reputed Suppliers. The bidders may submit the copy of past experience if any (**recent order copy to be furnished**) regarding supply of similar materials to GRIDCO/ OPTCL or any other state or central PSUs.
5. **FORFEITURE OF E.M.D AND SECURITY DEPOSIT:**
 - a. In the event the successful bidders 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 awarded, may also lead to forfeiture of EMD without any notice.
6. **INFORMATION OF 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.
7. **OPENING OF TENDERS:**
 - a. Copy of up-to-date PAN Card and GST Registration Certificate not registered in Composite Scheme should be enclosed with the tender.
 - b. Bidders themselves or their authorized representatives (**one person only, possessing authorization letter in original**) shall be allowed to attend opening event of the tender.
8. The purchaser may alter the quantities of materials at the time of placing orders. Orders may also be split up among more than one bidder if necessary in the interest of the purchaser.
9. The bidders may please note that the word 'item' used in the foregoing paragraphs shall mean the materials/equipment as specified in the 'Tender Specification'. In case of deviations, the decision of the purchaser shall be final.
10. The purchaser reserves the right to reject the lowest or any other tender or all tenders without assigning any reason whatsoever.
11. Tenders should be prepared clearly without any overwriting and corrections. Erasures and other changes shall bear the dated initial of the person signing the tender.
12. 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 bidders. For evaluation, the price mentioned in words shall be taken, if there is any difference in figure and words in the price bid.
13. **THE TENDERS SHALL BE LIABLE FOR REJECTION IF THEY DO NOT AGREE TO OR COMPLY WITH ANY OF THE TERMS AND CONDITIONS SET FORTH AND PROVIDED IN THE TENDER SPECIFICATION.**

SECTION-II

GENERAL TERMS AND CONDITIONS OF CONTRACT

1. **SCOPE OF CONTRACT:** This specification covers Supply of 150 Watt LED based Flood Lights with complete fittings required at Grid Sub-station, Bhanjanagar & Phulbani under EHT (O&M) Division, Bhanjanagar as per the technical requirement mentioned in section-III. The scope of the contract shall be to deliver the materials on Rail/Road transport at the destination sites of OPTCL i.e; SDO, 220/132/33 KV Grid Sub-Station, Bhanjanagar. The bids must be accompanied with *LM 79 & 80 test certificates*. Luminary manufacturer has to submit authorisation certificate from LED chip manufacturer like CREE, NICHIA & PHILIPS LUMILEDS only without which their tender will not be entertained.
2. **PRICE:** The price should be firm and FOR destination. The price should be inclusive of packing, forwarding, freight, insurance charges, GST and other taxes if any. The amount & nature of taxes should be clearly specified in the price schedule.
3. **DELIVERY:** The materials shall be supplied at different sites within 30(Thirty) days from the date of issue of purchase order. The purchaser however reserves the right to reschedule the delivery or change of destination. Early delivery is preferable.
4. **VALIDITY:** Price with terms and conditions of the offer shall be valid for a minimum period of 180 days from the date of opening of tender.
5. **INSURANCE:** Insurance of materials is to be done by the supplier at his own cost. The responsibility of delivery of the materials at destinations 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 transit 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 destinations without waiting for the settlement of the claims with the carriers and underwriters.
6. **GENERAL REQUIREMENT:** The LED fittings must to be suitable for the purpose of outdoor switch yard lighting of Grid Substations. The fittings must satisfy the entire requirement as specified in the technical specification. Each unit must be accompanied with LED chip manufacturer certificate and LM 79 & 80 test certificates. The fittings must be water proof and dust proof as per protection certificate IP 66.
7. **TERMS OF PAYMENT:** Payment will be made with taxes and duties after delivery of materials at the respective sites subject to inspection and detailed verification, deposit of security amount & approval of guarantee & test certificate and availability of funds from Head office.
8. **PENALTY FOR DELAY IN DELIVERY:** If the supplier fails to deliver the materials within the delivery period as stipulated under Clause No.3 (Section-II) of this tender document or any extension granted thereto, 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 for

delay. However the total amount of penalty shall not exceed 5% (five percent) of the cost of undelivered items. Materials will be deemed to have been delivered only when all the component parts are 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.

- 9. EXTENSION OF TIME:** If the delivery of materials is delayed due to reason beyond the control of supplier, the supplier shall without delay give notice to the purchaser in writing for an extension of time with detail 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.
- 10. GUARANTEE PERIOD:** The materials i.e. 150 Watt LED based Flood Lights with complete fittings are to be guaranteed for trouble free service for a period of 24 months from the date of supply or 18 months from the date of installation whichever is earlier. Any defect if noticed during the above guarantee period shall be replaced/ rectified by you of free of cost provided such defects are traced due to bad material, bad workmanship & faulty design etc. The guarantee period should also cover for those LEDs which are replaced/ rectified by you for a minimum period of 18 months from the date of supply. The above guarantee certificate in ***triplicate*** must be furnished by the successful bidders to this office for approval of the undersigned.
- 11. PERFORMANCE CUM SECURITY DEPOSIT :**

The successful bidder has to deposit 10% of contract value as Performance cum Security deposit within 15 days from the issue of purchase order. In case of non execution of the order the security deposit and EMD shall be forfeited. The Performance cum Security deposit amount will be refunded after successful completion of guarantee period on written request and as per the guidelines of Director (Fin), OPTCL. The Performance cum Security deposit shall not carry any interest.
- 12. CONSIGNEE:**

Respective SDO's of Grid S/S, Bhanjanagar/ Phulbani.
- 13. PAYING OFFICER :**

Dy. General Manager (Elect), EHT (O&M) Division, Bhanjanagar.
- 14. GST REGISTRATION CERTIFICATE, PAN CARD & AUTHORIZED DEALERSHIP CERTIFICATE (IF APPLICABLE) :**

Attested legible photocopies of Income Tax PAN Card and GST Registration Certificate (Not registered in composition scheme) on the date of opening of the tender and authorized dealership certificate(if applicable) should be submitted along with tenders without which tender will be liable for rejection at the time of opening. If required, the firm may be asked to produce original documents for verification any time after opening of the 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 liable for rejection.

15. 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. If the supplier fails to do so, the Purchaser may:-

- [a] At its option replace or rectify such defective equipments/materials and recover the extra costs so involved from the supplier plus fifteen percent and/or.
- [b] Terminate the contract for balance work/supplies, with enforcement of penalty Clause as per contract for the un-delivered goods and with forfeiture of Performance Guarantee/ Composite Bank guarantee.
- [c] Acquire the defective equipment/materials at reduced price, considered equitable under the circumstances.

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.

SECTION-III

TECHNICAL SPECIFICATION FOR 150 WATTS LED BASED FLOOD LIGHT WITH COMPLETE FITTINGS

INPUT VOLTAGE	(120-300)V AC (SINGLE PHASE)
POWER CONSUMPTION:	150 WATT INCLUDING DRIVER
HOUSING:	DIE CAST ALUMINIUM HOUSING
COVER:	FULL TOUGHENED GLASS COVER
LENS:	60 DEGREE TO 90 DEGREE SECONDARY OPTICAL LENS
MAKE OF LED:	CREE, NICHIA AND PHILLIPS LUMILEDS
LED USED:	DISCRETE HIGH POWER LED
MAKE OF LENS:	LEDIL / KHATOD
COLOUR TEMPERATURE:	COOL WHITE 5700K TO 6500K
LUMINOUS FLUX:	NOT LESS THAN 10,500 LUMEN
POWER FACTOR	> 0.90
INGRESS PROTECTION(IP):	IP-66
DRIVER EFFICIENCY:	85% OR ABOVE.
SURGE PROTECTION:	MINIMUM 5 KV.
CRI(COLOUR RENDERING INDEX):	>=70
MOUNTING:	ADJUSTABLE MOUNTING ARRANGEMENT
LED LIFE:	MINIMUM 50,000 BURNING HOURS
CONFIRMATION TO STANDARDS:	LM 79 & LM 80 TEST REPORT FROM NABL/ GOVT. APPROVED LAB. TO BE ADHERED BY THE LED CHIP MANUFACTURER.
	(LUMINARY MANUFACTURER HAS TO SUBMIT AUTHORISATION CERTIFICATE FROM LED CHIP MANUFACTURER LIKE CREE, NICHIA AND PHILIPS LUMILEDS)
MAKE OF LUMINARY:	PHILLIPS, HAVELLS, CROMPTON, BAJAJ, FREQUENCY, GE OR EQUIVALENT
WARRANTEE / GUARANTEE	MINIMUM 2 YEARS AGAINST MANUFACTURING DEFECTS

SECTION-IV

ABSTRACT OF TERMS AND CONDITIONS

(This Performa should be filled with all information and should be furnished along with the tender)

1	Earnest Money Deposit (EMD) deposited in shape of Cash/Bank Draft	Yes/No
a	Name of the Bank(For Bank Draft):	
b	Amount deposited:	
c	Money Receipt No. & Date / Bank Draft No. & Date:	
2	Validity of the bid in days from the date of opening of tender(As per Specification):	
3	Nature of Price:	Firm/Variable
4	Terms of payment (Whether agreeable to OPTCL terms:	Yes/No
5	Security deposit (Whether agreeable to OPTCL	Yes/No
6	Penalty (Whether agreeable to OPTCL	Yes/No
7	List of orders executed/in hand for similar work during recent three years in	Yes/No
8	Copy of PAN furnished:	Yes/No
9	Copy of GST Registration	Yes/No
10	Guarantee (Whether agreeable to OPTCL	Yes/No
11	Delivery period (Whether agreeable to OPTCL terms):	Yes/No
12	Manufacturer/ Authorized dealer certificate	Yes/No
13	LM-79 & LM-80 Test Report submitted:	Yes/No
14	Name of the LED manufacturer	Yes/No
15	Authorisation Certificate from LED Chip Manufacturer submitted:	Yes/No
16	Agreed to all terms and conditions of the tender specification:	Yes/No

Signature of Bidder with Seal

SECTION-V

**DETAILED TECHNICAL SPECIFICATION SHEET TO BE FURNISHED
BY THE BIDDERS.**

SL NO.	DESCRIPTION	TO BE FILLED UP BY BIDDER
1	Name of the Contractor/Supplier with detailed postal address and contact phone no.	
2	Input Voltage:	
3	Power Consumption:	
4	Housing	
5	Cover	
6	Lens	
7	Make of LED	
8	LED Used	
9	Make of Lens	
10	Colour Temperature	
11	Luminous Flux	
12	Power Factor	
13	Ingress Protection(IP)	
14	Driver Efficiency	
15	Surge Protection	
16	CRI(Colour Rendering Index)	
17	Mounting	
18	LED Life	
19	Confirmation to Standards	
20	Make of Luminary	
21	Warranty/Guarantee	
22	Model Details of Luminary	

Date:

Place:

Signature of the Bidder with Seal

SECTION-VI

FORMAT OF PRICE BID FOR NIT No.- 01/2020-21

Sl. No.	Description of materials to be supplied	Quantity in nos.	Unit Rate in Rs.	Amount in Rs.
1	150 Watt LED based Flood Light with complete fittings	30		
2	Total			
3	Taxes if any (to be specified)			
4	Grand Total (Sl. No. 2 to 3) in words.			
5	Grand Total (Sl. No. 2 to 3) in figure			

- *The Unit Rate should be inclusive of E.D, Packing, Forwarding, Transportation and cost of Insurance, Tax as specified in Sl. 3 i.e., GST*

Date :

Signature of the Bidder with Seal

Place :

SECTION – VII

NO RELATION CERTIFICATE

THIS IS TO CERTIFY THAT I / WE HAVE NO RELATIONSHIP WITH ANY OF THE EMPLOYEES IN THE RANK OF ASST. MANAGER AND ABOVE SERVING UNDER OPTCL, ODISHA. 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 BIDDER

END OF TECHNICAL SPECIFICATION