



ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
OFFICE OF THE DEPUTY GENERAL MANAGER (ELECTRICAL)
EHT (O&M) DIVISION, BERHAMPUR
DUDUMA COLONY, DIGAPAHANDI ROAD, BERHAMPUR-760006
Tel No.: 0680-2271587

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

TENDER SPECIFICATION FOR TENDER CALL
NOTICE No. : **08/2017-18**

For
Supply & installation of street light poles with accessories for illumination of main entrance gate to control room of 132/33KV Grid S/s, Digapahandi.

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 3,83,520/-



Tel:0680-2271587, Ph.:9438907864

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

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DUDUMA COLONY, DIGAPAHANDI ROAD, BERHAMPUR-760006
CIN- U40102OR2004SGC007553

Notice Inviting Tender Advt. No: O.T No. 08/2017-18

For and on behalf of OPTCL sealed tenders are invited from Electrical contractor(MV or above), having experience in similar work having PAN, GST Registration No., to carry out “Supply & installation of street light poles with accessories for illumination of main entrance gate to control room of 132/33KV Grid S/s, Digapahandi.

SL. NO	DESCRIPTION	COST OF TENDER PAPER	Completion Period
01	Supply & installation of street light poles with accessories for illumination of main entrance gate to control room of 132/33KV Grid S/s, Digapahandi.	Rs. 2000/- + GST @12% = Rs 2240/-	45 days from the issue of work 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. 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.

The bid must be accompanied with an amount **Rs 3835/-** 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 30.11.17. 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: **Dt. 15.11.17 to Dt. 29.11.17.** (During Office Hours)

Last Date of Receipt of Tender Paper: **Dt. 30.11.17 up to 1.00 PM**

Date of Opening of Tender Paper: **Dt. 30.11.17 at 3.00 P.M.**

Tender should be dropped in **Tender BOX-II.**

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.

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

**TENDER SPECIFICATION FOR TENDER CALL
NOTICE No. : O.T No 08/2017-18
OF EHT (O & M), DIVISION, BERHAMPUR
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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. 3835/- 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 15.11.17 to Dt. 29.11.17 . (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	Dt. 30.11.17 up to 1.00 PM & should be dropped in Tender Box –II.
11	DATE & TIME OF OPENING OF TENDER	Dt. 30.11.17 at 3.00 P.M.
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, Berhampur. AT- Duduma Colony, Digaphandi Road, Berhampur-700 006, Odisha.

INSTRUCTION TO BIDDERS

SECTION - I

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. Bidders must submit their bids with original signature.
- B) Tender must be submitted in sealed cover subscribed as “**O.T No. 08/2017-18: Supply & installation of street light poles with accessories for illumination of main entrance gate to control room of 132/33KV Grid S/s, Digapahandi** on or before 30.11.17 for opening and addressed to the **Dy. General Manager, EHT (O & M) Division, Berhampur.**
- 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 Dy. General Manager, EHT (O & M) Division, Berhampur, Duduma colony, Digaphandi Road, Berhampur-700 006, Odisha.** 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 Rs100.00 along with the tender paper cost.
- D) The bidder is to deposit EMD @ **Rs 3835/-** 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 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, remain with the OPTCL.

2. 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.

3. 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.

4. OPENING OF TENDERS:

- A) Copy of PAN card/ GST Registration Certificate/ Experience must be enclosed with the tender bid.
 - 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 Authority reserves the right to award the contract among any responsive bidders against this tender. The authority reserves the right to reject any or all the tenders and alter the quantum of works without assigning any reason thereof.
7. The bidders are advised to inspect the site before assessing their rates to be quoted in the tender.
8. 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.
9. 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. **a. Scope of Work:** Detailed scope of work is appended at Section-III.
b. Validity: The Tenderers are requested to keep the validity of their offer for a period of 3 months 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.
3. **Completion of Work:** The work should be completed in full shape within 45 days from the date of agreement. The Joint Measurement Certificate (JMC) should be made with verifying officer after completion of work.
4. **Penalty:** Penalty @ ½% (half per cent) per week up to a maximum of 5% of the total value of the work order will be imposed and recovered from dues admissible if the work is not completed within the scheduled period.
5. **Security-cum- Performance Deposit:** The tenderers whose offer qualifies for acceptance will be awarded Work Order and the contractor shall have to deposit Security cum performance guarantee deposit equal to 10% (Ten percent) of contract value in shape of Cash receipt / Bank Draft /N.S.C. / K.V.P / Post Office Savings Bank Account /Post Office Time Deposit Account pledged 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 fulfillment of guarantee stated under clause on a receipt of application for this purpose. No interest shall be paid to the agency towards the security deposit so deposited by the contractor.
6. **Terms of Payment:** 100% payment will be paid by the paying officer after completion of work and due verification thereof by the Verifying officer and approval of Guarantee Certificate & JMC from the competent authority. The bills in triplicate should be submitted to the paying officer along with completion report duly verified by the concerned Verifying Officer.
7. **Guarantee:** The work covered under this contract should be guaranteed for satisfactory operation against defects a period of 12 months from the date of completion of work. In case of any defects noticed during this period, the same shall be replaced / rectified by the contractor free of cost provided such defects are due to fault design / bad workmanship or bad materials used upon written notice from the engineer-in-charge. The replaced /rectified work should also have similar guarantee. The above guarantee certificate shall be furnished in triplicate to the undersigned for approval. In the event of any breach on default in all or any condition of purchase order, Security Deposit will be forfeited.
8. **Verifying Officer:** - The **A.G.M, TL Sub-Division, Digapahandi** is verifying officer for the work awarded under his jurisdiction.

9. **Paying Officer:** The **DGM, EHT (O&M) Division, Berhampur** is the paying officer for this contract.
10. **Agreement:** The successful contractor shall have to enter into an agreement with the concerned Engineer-in-charge in the approved contract agreement form within 10 days of receipt of work order.
12. **SUBMISSION OF PAN NO. GST certificate, Electrical License (MV & above):** Clear attested Xerox copies of Electrical contract license (MV & above), PAN No., & GST registration certificate issued by the competent authority should be submitted along with tenders, failing which the tender will be rejected. The contractor should produce the original documents for verification within 10 days from the date of opening of tender.
13. **Force Majure:** The Contractor shall not be liable for any penalty for delay or for failure to perform the Contract for reasons of FORCE MAJURE, such as acts of God; acts of public enemy, acts of Govt, fires, floods, epidemics, quarantine restrictions, strike, freight, embargoes provided that the contractor shall within 10 days from the beginning of such delay notify to OPTCL in writing of the cause of delay. The OPTCL shall verify the facts and grant such extensions if facts justified.
14. **Experience:** The bidders are required to submit the list of his past experience on similar work done along with the supporting documents. Contractor having experience similar nature of job will be given preference to others.
15. **Safety Measures:** Only trained & experienced person should engage to carry out the work under direct supervision of engineer-in-charge, OPTCL & firm's supervisor. The work should be carried out on full risk & cost of contractor & OPTCL will not be responsible for any kind of risk coverage arising during execution of work.
16. **Insurance:** Insurance if any will be arranged by contractor at his own cost for safety of workmen & equipment.
17. **WORKMEN'S COMPENSATION:** The contractor shall be fully responsible for paying compensation if any, under the Workmen Compensation Act on account of workmen deployed by him.
18. **Rejection of works:** In the event of any of the materials supplied / work done by the contractor is found defective in materials or workmanship or otherwise not in conformity with the requirement of this contract, specifications, the OPTCL shall either reject the materials or work and request the Contractor to rectify the same. The Contractor on receipt of such notice, rectify or replace the defective materials and rectify the work free of cost. If the Contractor fails to do so the OPTCL may -
 - At its option replace or rectify such defective materials and / or work and recover the extra cost so involve from the Contractor.

- Terminate the contract for balance work / supplies with enforcement of penalty as per contract.

19. **PAYMENT DUE FROM THE CONTRACT:** All costs and damages for which the Contractor is liable to the authority will be deducted from Contractor under the contract.

20. **Jurisdiction of Court:** Suits if any, arising against the work order to be issued to the contractor shall be filed by either party in any court of law to which the jurisdiction of Court of Berhampur extends.

The Authority reserves the right to award the contract among any responsive bidders against this tender. All other terms and conditions will be governed by OPTCL as per Rules.

Dy. General Manager

Scope of Work: Supply & installation of street light poles with accessories for illumination of main entrance gate to control room of 132/33KV Grid S/s, Digapahandi.

Technical specification:

1. Supply and Erection of Galvanised Octagonal Pole, which shall be in single piece section. There shall not be any circumferential weld joint. The pole shall be Hot Deep Galvanised as per IS-2629 IS-2633 /IS 4799 standards with average coating thickness of 70 micron. The galvanization shall be done in single deeping. The pole shall be bolted on precast foundation with a set of four foundation bolts for greater rigidity. The galvanised mounting single armed bracket shall be supplied along with the pole for installation of the luminaries as per the design.

The pole shall have door of approximate 500mm length at the elevation of 500mm to 1000mm from the base plate. The door shall be vandal resistance and shall be weather proof to ensure safety of inside connection. The door shall be flush with the extension surface and shall have suitable locking arrangement with 4 pin loop in loop out system with 6 amps MCB & connector arrangement. There shall also be suitable arrangement for the purpose of earthing. The pole shall be adequately strengthened at the location of door to compensate for the loss in section.

Specification of Pole:

- Height of pole : 7 Mtrs
- Top Dia : 104 mm
- Bottom Dia : 160 mm
- Thickness of sheet : 3 mm
- Base Plate Dimension : (LxBxT) 275mm x 275mm x 16mm
- Foundation of Pole Steel Grade : EN-8
- Bolt Size : (No x Dia) 4 x 24mm
- Pitch Circle Dia : 270 mm
- Bolt Length : 950 mm
- Projected Bolt Length : 125 mm
- Single Arm Designer Bracket Length : 1 to 2Mtr Long.

2. **Supply Fitting and fixing of Coil earthing:** Coil earthing shall be done by using 6.5 SWG wire coil with charcoal, salt & coil with nuts & bolt as per direction of the Engineer in charge.
3. **Foundation:** Supply of all materials, labour, T & P and transportation for providing earth work, filling in foundation with clean coarse river sand& cement concreting as per following specification. Pole pit size = (1 m x 1 m x 1.5m Pole pit size= (1m x 1m x1.5m). & Couping of size = (0.4m x 0.4m x 0.4m) with Cement concreting in ratio 1:2:4 by using 20mm machine broken granite chips, sand, cement etc. as per the OPWD specification and direction of Engineer in charge. The pole is to be installed in proper alignment as per direction of Engineer in charge.
4. Supply and fixing of lighting fixture of 90 Watt. LED street light having powder coated pressure die-cast Aluminum housing clear toughened glass having following specification:
 - LED : LM80 Certified high power LED
 - Lens : Suitable Secondary Lens for better light distribution

- Gear : Integral, Electronic constant current driver of BIS standard of min 85% efficiency.
- Internal Wiring : Teflon insulated, Cu. Conductor
- Hardware: SS
- Internal Wiring : Teflon insulated,
- Ingress Protection : IP 66 and above
- Operating Temp. : -10o C to 50o C
- Rated Voltage : 240V, 50 Hz AC
- Wattage : 90 watt +/- 5%
- Current : < 0.5A, Pf :>0.95
- I_{thd} : <10%
- Lumen : >7650 Lm
- Efficiency : >85 Lm/W
- CCT : 5700K & CRI: >70
- Working life of LED: Min. 50000 burning hour
- Protection: Open & Short Circuit Protection, Reverse Polarity Protection & surge protection
- Make : Crompton/ Bajaj/ Havells/ Philips/ Osram/ Syska

5. Make of wire/cable to be used: Finolex/ Havells/ Polycab/ L&T

6. Make of switchgear to be used: C&S/ Legrand/ Havelles/ L&T

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

Schedule of Price

Annexure –I

Sl No	Description of Items	UOM	Quantity	Unit rate in Rs	Total	GST rate	Total Amount	Total Amount in word
1	2	3	4	5	6=4*5	7	8= 6+7	9
1	Supply & installation of 7mtr height GI octagonal pole and bottom one base plate as per technical specification.	Nos						
2	Supply & installation of 1 to 2mtr long single arm welded with top canons at an angle 105 degree with the pole. The outer dia of arms are to be provided on canon to fix arms rigidly on pole & provision for LED light fittings.	Nos						
3	Supply of all materials, labour, T & P and transportation for providing earth work, filling in foundation with clean coarse river sand & cement concreting as per following specification. Pole pit size= (1m x 1m x1.5m). & Couping of size = (0.4m x 0.4m x 0.4m) with Cement concreting in ratio 1:2:4 by using 20mm machine broken granite chips, sand, cement etc. as per the OPWD specification and direction of Engineer in charge. The pole is to be installed in proper alignment as per direction of Engineer in charge.	Nos						
4	Supply & fixing of 240V, 6Amp rating DP B series MCB breaking capacity 10KA in each pole	Nos						
5	Supply & installation of 6SWG GI wire coil for earthing with charcoal, salt & coil with nuts & bolts	Nos						

6	Underground laying of 16 sqmm PVC insulated Al. black twin flat cable in 50mm dia PVC pipe including excavation & sand filling	Mtr						
7	Underground laying of 4 sqmm PVC insulated copper. black twin flat cable working suitable up to 1100volt in PVC pipe including excavation and sand filling	Mtrs						
8	Supply and making end termination with brass compression and aluminum lugs for 2 x 16sq mm size Al cable.	Set						
9	Supply, fixing & fitting of PVC twin core 2.5 Sq mm Al. wire to poles (10mtrs for each pole)	Mtr						
10	Supply & fixing 2.5" dia GI pipe for road crossing	Mtr						
11	Supply & fixing of 90watt LED street light complete fitting as per technical specification. (Make: Crompton/ Bajaj/ Havelles/ Philips/ Osram/ Syska)	Nos						
12	Grand Total in Rupees							In word

Date:
Place:

**Signature of the tenderer
with seal**

Dy General Manager

Materials Detail submitted by Contractor:

SL No	Description of Materials	As per technical specification	Actual specification of materials to be supplied by Contractor
1	Galvanised GI Pole		
a	Height of pole	07mtr	
b	Top Dia	104mm	
c	Bottom Dia	160mm	
d	Thickness of sheet	03mm	
e	Base Plate Dimension (L x B xT)	275mm x 275mm x 16mm	
f	Foundation of Pole Steel Grade	EN-8	
g	Nos Bolt per pole & its Size (No x dia)	4nos & 24mm dia	
h	Single Arm Designer Bracket Length	01 to 02 mtr	
I	Bolt Length	950mm	
j	Projected Bolt Length	125mm	
2	90watt LED street light fitting as per technical specification: Make	Crompton/ Bajaj/ Havells/ Philips/ Osram/ Syska	
3	Make of wire/cable	Finolex/ Havells/ Polycab	
4	Make of switchgear	C&S/ Legrand/ Havells/ L&T	

**Signature of the tenderer
with seal**

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 GST Registration Certificate	Furnished / Not furnished
4	Attested copy of PAN no	Furnished / Not furnished
5	Electrical Contract License (MV or above)	Furnished / Not furnished
6	Attach past experience certificate for similar job in OPTCL/ DISCOM or equivalent.	Yes / No
7	Agreed to furnish Contract security deposit	Yes / No
8	Agreed to accept payment terms as per the tender specification	Yes / No
9	Agreed to adhere to completion of work as per the tender specification	Yes / No
10	Agreed to accept penalty clause as per the tender	Yes / No
11	Agreed to keep validity of the offer 3month from the date of tender opening without any variation in tender clause.	Yes / No
12	Agreed to obtain labour contract license on event of work order from the competent authority	Yes / No

Date**Signature of the Tenderer
with seal.**

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

