



# ODISHA POWER TRANSMISSION CORPORATION LTD.

(A Government of Odisha Undertaking)

O/O: GENERAL MANAGER, E.H.T. (O&M) CIRCLE, AT/PO – BURLA,

DIST.: SAMBALPUR – 768017, TELE/FAX: (0663) 2430160

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## TENDER CALL NOTICE NO. 18/17-18

Sealed tenders are invited by the undersigned from experienced contractors having valid HT/HV license, PAN, GSTIN for supply & installation of 08nos and 06Nos. of street lights at Grid Sub-Station, Rourkela & Sundargarh respectively under E.H.T. (O&M) Division, Rourkela.

### FOR GRID SUB-STATION, ROURKELA

#### PART-A

| Sl. No. | Specification  | Uom  | Qty. |
|---------|--|------|------|
| 1       | Supply and erection of Galvanised octagonal Pole, which shall be in single place section. There shall not be any circumferential weld joint. The pole shall be Hot Deep Galvanised as per I.S.-2629 I.S.-2633/ I.S.-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.<br><br>The pole shall have door of approximate 500mm length at the elevation of 500mm 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 4pin loop in loop out system with 16 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.<br><br><b>Specification of Pole:</b> Height of pole: 7Mtrs., Top Dia: 104mm, Bottom Dia: 160mm, thickness of sheet: 3mm, Base plate dimension: (LxBxT) 275mmx275mmx16mm, Foundation of Pole Steel grade EN-8, Bolt Size- (NoxDia) 4x24mm, Pitch Circle Dia: 270mm Bolt length: 750mm, Projected bolt length: 125mm, Single arm designer bracket length: 1Mtr. long. | Nos  | 8    |
| 2       | Supply & fixing of lighting fixtures of 90 Watt. LED street light having powder coated pressure die-cast Aluminium 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 min 85% efficiency, Internal Wiring: Teflong 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°C Rated Volatage: 240V, 50HZ AC, Wattage: 90 ± 10%, Current: 0.43A, PF: > 0.95, 1 thd: <10%, Lumne: 7700Lm, Efficiency: > 85Lm/W, CCT: 5700K, CRI: >70, Weight: 4.0Kg. Protections: Open & Short Circuit protection, Reverse Polarity protection & Surge Protection.   | Sets | 8    |
| 3       | Supply of 32A MCCB with outdoor panel fitting.   | Nos  | 1    |
| 4       | Supply & trenching & laying of 25x3.5Core armour cable, cable must be run in one Ft Depth inside of duct, soil & bricks cushion, refilling of soil as before.  | Mtr. | 210  |
| 5       | Supply & fixing of 2.5Sq. mmx3Core Copper Flexible Wire to light fitting.  | Roll | 5    |

#### PART-B

| Sl. No. | Specification  | Uom     | Qty. |
|---------|--|---------|------|
| 1       | Foundation: Supply of all materials, labour, T&P and transportation for providing earth work, filling in foundation with clean coarse river sand, M20 grade RCC using 12mm size hard granite stone chips with centering, chultering including cutting, bending, binding & lying the grills and cost of MS Rod, binding wire, providing 6mm thick cement plaster finished smooth over RCC surface, painting two coat of paint with weather proof cement paint over one coat of primer and carriage of excavated materials within 5Kms lead by mechanical means with cost, conveyance, royalty, taxes etc. all complete as per the OPWD specification and direction of Engineer-in-Charge (Approximately 10cm/set) | Sets    | 8    |
| 2       | Installation of 32A MCCB with outdoor panel fitting  | Nos.    | 1    |
| 3       | Pipe earthing including excavation of earth treatment compound, back filling with borrowed earth, terminating to earth mat riser by nut bolting, apply of paint where necessary with supply of all labour and T&P as per ISS-3043, but with excavation of Morrum and laterite layer (with cost of earthing pipe 50mm dia 2050 length medium gauge) and (50 x 6mm) GI flat.   | Per Set | 1    |

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**FOR GRID SUB-STATION, SUNDARGARH**

**PART-A**

| Sl. No. | Specification   | Uom  | Qty. |
|---------|---|------|------|
| 1       | <p>Supply and erection of Galvanised octagonal Pole, which shall be in single place section. There shall not be any circumferential weld joint. The pole shall be Hot Deep Galvanised as per I.S.-2629 I.S.-2633/ I.S.-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.</p> <p>The pole shall have door of approximate 500mm length at the elevation of 500mm 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 4pin loop in loop out system with 16 amps MCB &amp; 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.</p> <p><b>Specification of Pole:</b> Height of pole: 7Mtrs., Top Dia: 104mm, Bottom Dia: 160mm, thickness of sheet: 3mm, Base plate dimension: (LxBxT) 275mmx275mmx16mm, Foundation of Pole Steel grade EN-8, Bolt Size- (NoxDia) 4x24mm, Pitch Circle Dia: 270mm Bolt length: 750mm, Projected bolt length: 125mm, Single arm designer bracket length: 1Mtr. long.</p> | Nos. | 5    |
| 2       | <p>Supply &amp; fixing of lighting fixtures of 90 Watt, LED street light having powder coated pressure die-cast Aluminium 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 min 85% efficiency, Internal Wiring: Teflon Insulated, Cu. Conductor, Hardware: SS &amp; MS Zinc plated &amp; passivated, Ingress Protection: IP 66 and above, Lumen Maintenance: 50,000 Hrs @ L70, Operating Temperature: -10°C to 50°C Rated Volatage: 240V, 50HZ AC, Wattage: 90 ± 10%, Current: 0.43A, PF: &gt; 0.95, I thd: &lt;10%, Lumne: 7700Lm, Efficiency: &gt; 85lm/W, CCT: 5700K, CRI: &gt;70, Weight: 4.0Kg. Protections: Open &amp; Short Circuit protection, Reverse Polarity protection &amp; Surge Protection.</p>  | Sets | 5    |
| 3       | Supply of 32A MCCB with outdoor panel fitting.  | Nos. | 1    |
| 4       | Supply & trenching & laying of 25x3.5Core armour cable, cable must be run in one Ft Depth inside of duct, soil & brick cushion, refilling of soil as before.  | Mtr. | 100  |
| 5       | Supply & fixing of 2.5Sq. mmx3Core Copper Flexible Wire to light fitting.   | Roll | 2    |

**PART-B**

| Sl. No. | Specification   | Uom     | Qty. |
|---------|---|---------|------|
| 1       | <p>Foundation: Supply of all materials, labour, T&amp;P and transportation for providing earth work, filling in foundation with clean coarse river sand, M20 grade RCC using 12mm size hard granite stone chips with centering, shultering including cutting, bending, binding &amp; lying the grills and cost of MS Rod, binding wire, providing 6mm thick cement plaster finished smooth over RCC surface, painting two coat of paint with weather proof cement paint over one coat of primer and carriage of excavated materials within 5Kms lead by mechanical means with cost, conveyance, royalty, taxes etc. all complete as per the OPWD specification and direction of Engineer-in-Charge (Approximately 1Cum/set)</p> | Sets    | 5    |
| 2       | Installation of 32A MCCB with outdoor panel fitting   | Nos.    | 1    |
| 3       | <p>Pipe earthing including excavation of earth treatment compound, back filling with borrowed earth, terminating to earth mat riser by nut bolting, apply of paint where necessary with supply of all labour and T&amp;P as per ISS-3043, but with excavation of Morrum and laterite layer (with cost of earthing pipe 50mm dia 2050 length medium gauge) and (50 x 6mm) Gil flat.</p>  | Per Set | 1    |

Date of Sale of Tender Paper: Dt.24.07.17 to 21.08.17 during office hours.  
 Last Date of receipt of Tender Paper: Dt.22.08.17 upto 01.00 PM.  
 Date of opening of Tender Paper: Dt.22.08.17 at 04.00 PM.

The tender documents can be made available and received in the office of the undersigned on written request and payment of Rs. 4000/- + 12% GST only towards cost of tender documents by cash/pay order/D.D. in favour of "E.H.T. (O&M) Circle, OPTCL, Burla" payable at Burla. Additional amount of Rs. 100/- (Rupees one hundred) only may be paid for the postal delivery of the tender documents. The undersigned shall not be responsible for any postal delay at any stage.

The tender must be accompanied with requisite EMD amount equal to 1% of the quoted value in shape of DD/Pay order in favour of "E.H.T. (O&M) Circle, OPTCL, Burla" payable at Burla. The tender documents will be opened in the office of the undersigned in the presence of the tenderer or their authorized representatives if any. Incomplete tender, tender without EMD and the tender received after the due date and time shall be liable for rejection. If the date of tender opening falls on holiday, the same will be opened on the next working day.

The tender document must be accompanied by the following documents failing which the offer will be out-rightly rejected.

- (1) Requisite EMD in shape of cash deposited in this office/D.D/Pay order.
- (2) Original cash receipt towards procurement of tender specification.
- (3) Copy of Valid Electrical contractor license.
- (4) Copy of PAN card.
- (5) Copy of GSTIN.

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

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