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ODISHA POWER TRANSMISSION CORPORATION LIMITED

OFFICE OF THE GENERAL MANAGER (ELECTRICAL)

E.H.T. (O&M) CIRCLE, BURLA

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

CIN: U40102OR2004SGC007553

No. EHTC/ 1081

Date: 21.09.2022.

E-TENDER NOTICE NO. BRL-24/2022-23

For and on behalf of ODISHA POWER TRANSMISSION CORPORATION LTD General Manager, EHT (O&M) Circle, Burla, invites Tenders from reputed Bidders in single part bidding system for "Supply, Erection, Installation & Commissioning of 40nos of LED Based Street Light with pole alongside of the road approaching to 220/132KV Grid SS Tarkera and Colony Under EHT (O&M) Division, Rourkela.". The interested bidders would be required to enroll themselves on the tender portal www.tenderwizard.com/OPTCL. Complete set of bidding documents are available at www.tenderwizard.com/OPTCL from 22.09.2022 (10.00 Hrs) up to 10.10.2022 (17.00 Hrs). Interested Bidder may visit OPTCL's official web site <http://www.optcl.co.in> and www.tenderwizard.com/OPTCL for detail specification.

N.B:- All subsequent addendums/corrigendum to the tender shall be hosted in the OPTCL's official web site <http://www.optcl.co.in> and www.tenderwizard.com/OPTCL only.

Signature
20/09/2022

**General Manager (Elect.)
EHT (O&M) Circle, Burla**



NOTICE INVITING TENDER

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ODISHA POWER TRANSMISSION CORPORATION LTD.,
OFFICE OF THE GENERAL MANAGER (ELECTRICAL)
E.H.T. (O&M) CIRCLE, BURLA

E-TENDER NOTICE NO- BRL-24/2022-23

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

Sl. No	Tender Specification No.	Location Details.	INDIAN RUPEES			Last date of submission & Date of opening of Tender.
			Earnest Money Deposit	Cost of Tender Spec. Document (Including GST)	Tender Processing Fee.	
1	E - Tender No. 24/2022-23	220/132K V GSS Tarkera under EHT (O&M) Division, Rourkela.	NIL (Bid Security Declaration to be furnished in lieu of EMD)	Rs.7080/- [Only in the shape of DD]	Rs. 2102/-	up to dt- 11.10.2022 2 (13.00 Hrs) and 11.10.2022 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. 2,102/- (Rupees Two thousand Nine hundred Fifty 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.

The Quantum of Work as in Table below:

SUPPLY PART:-

Sl. No.	Description of Items.	Unit	Qty.
1	<p>Supply and erection of galvanized octagonal pole which shall be single pole section. There shall not be any circumferential weld joint. The pole shall be hot dip galvanized as per IS 2629, IS 2633 & IS 4799 standard with average coating thickness of 70 µm. The galvanization shall be done in single dipping. The pole shall be bolted on precast foundation with a set of four foundation bolts with greater rigidity. The galvanized 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 500 mm length at the elevation of 500 mm from the base plate. The door shall have been tamper proof and all weather resistance to ensure the safety of internal electrical circuits. The door shall be flush with the extension surface and shall have suitable locking arrangement with 4 pin loop in loop out system with 16A MCB & connector arrangement. There shall be suitable arrangement. There shall be also suitable arrangement for the purpose of earthing the poles shall be adequately strengthened at location of door to compensate for loss in section.</p> <p>Specification of pole: Height of pole: 8 m Top Dia.: 104 mm Bottom Dia.: 160mm, Thickness of sheet: 3 mm Base plate dimension(L x B x T): 275 mm x 275 mm x16 mm Foundation of pole Steel grade: EN-8 Bolt Size (No. x Dia.): 4 x 24 mm Pitch Circle Dia.: 270.00 mm Projected bolt length: 125.00 mm Single arm designer bracket length: 1.0 m</p>	Nos.	40
2	<p>Supply & fixing of lighting fixture of 90-120W LED based street light (Make- Havells/Crompton/Phillips/Syska/Wipro/Surya/Bajaj/Halonix/Jaquar) with IEC Complaint having made of pressure die cast Aluminum housing material with clear toughened glass optical material/optical cover/lens material specifically used for wide beam based street outdoor lighting with following product specification.</p> <p>Specification of LED Lamp: Beam Angle of Light Source/Luminaire Light Beam Spread: 120 Light Source Color: 757 Cool White Input Voltage: 140-270 V Power Freq.: 50 Hz Power Factor (Min.): >0.95 Initial Luminous Flux: 14500 lm Luminaire Efficacy: 120 lm/W Color Temperature: 5700 K Power Input: 90-120W Operating Temperature: 10 - 35C Ingress Protection: IP 66 and above</p>	Nos.	40

	Net Weight: 4.00 kg Internal wiring: Teflon insulated, Cu Conductor		
3	Supply of 63 A MCCB (Make- Schneider Electric/Siemens/Havells only) having following specifications in compliance with EN/IEC 60947-2 standard for suitability of isolation with outdoor panel fitting Specification of MCCB: Number of Poles: 3P Max. Voltage Rating: 415 Vac Operating Frequency: 50 Hz Max Current Rating: 63 A Operating Temperature: 40°C Control Type: Toggle Mounting: Fixed Net Weight: 2 kg approx. Trip Unit Technology: Thermal Magnetic	Nos.	1
4	Construction of Cable Trench with supply and laying of LT Aluminum Power Armored Cable of 3.5C x 25 sqmm cable with supply and fixing of lugs, glands with crimping and clamps made of Aluminum at a depth of 1 ft. below the FGL inside a duct with backfilling of soil.	Mtr	750
5	Supply & Fixing of 3C X 2.55 sqmm LT Copper Flexible Wire to Light Fittings	Roll	20

ERECTION PART:-

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 12 mm size hard granite stone chips with centering, sheltering including cutting, binding and lying the grills and cost of MS Rod, Binding wire, providing 6 mm 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 with 5 km lead by mechanical means cost, conveyance, royalty, taxes etc. all complete as per the OPWD specification and direction of EIC (Approximately 1cum/set)	Set	40
2	Installation of 63 A 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(50 mm dia. 2050 mm length medium gauge) and (50 x 6 mm) GI flat	Per Set	5
4	Excavation (up to 1ft.) & back filling with sand / loose soil for laying of cable as per instruction of EIC and disposal of surplus excavated earth (after back filling) and laying and termination of cable (0.3mtr x 0.3mtr x 750 mtr) = 48.6cum.	Cum	67.5

Handwritten signature and date: 29/09/2022

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