

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT

NOTICE INVITING BUDGETORY OFFERS

Name of Work	NAME OF WORK "REPLACEMENT OF STREETLIGHT FITTINGS AT PORT BUILDINGS"
Date of submission of budgetary quotation	On or Before 10/06/2017 at 15:00 Hrs.
Address for communication:	Executive Engineer(E-HL), Mechanical Engineering Department, Mormugao Port Trust, Electrical Section, 1st Floor, Admin. Building, Headland sada Vasco-de-Gama Goa - 403804
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CHIEF MECHANICAL ENGINEER
MORMUGAO PORT TRUST

1.0 SCOPE OF WORK

- 1.1 Shifting of 6nos of old street light poles of 7.5 mtrs height kept near ELC site office at Headland to various locations as specified by the port in Headland area. Installing 6nos of poles at new locations by excavating 1 metre deep pit and providing concrete muffing for 50cm height and 40cm dia for each pole. Painting all the poles with one coat of zinc phosphate primer and two coats of Aluminum oxide finish paint. While muffing the pole 2" dia alkathene pipe of length 1.5m to be provided for each pole for cable entry.
- 1.2 Laying underground L.T. Aluminum armoured cable of size 2 Core x 10 sq mm, excavation in Rocky soil, upto depth of 40cm and width of 30cm, where road crossing is there, cable to be laid through GI pipe. After laying, the cable trench should be back filled with soil and cable route markers to be provided for every 20 metres of length. (The cable & G.I pipe will be supplied by the Port at M.M.)
- 1.3 Supply, Installation, connection & commissioning of outdoor FRP type streetlight pole junction box.
- 1.4 Supply, laying & connection of 3cx1.5sqmm flexible copper cable by laying the cable through the streetlight pole from the junction box to the streetlight fitting.
- 1.5 Installation, testing & commissioning of LED streetlight fittings with necessary modification in the existing mounting pipe. All items, required for the installation shall be in the scope of bidder no extra cost to the Port. Modification of mounting pipe to be done as per technical specification. (Only LED fittings will be supplied by Port at MM Division).

If any item is left unmentioned and essentially required for overall completion of the work, the same is deemed to be included in the rates quoted for the work.

2.0 TECHNICAL SPECIFICATIONS

2.1 CABLE

- 1.1kV, 3 core x 1.5 sq.mm Copper flexible cable
- **MAKE:** POLY CAB/ HAVELS/ RALISON ELECTRICALS/ CCI/ TORRENT HINDUSTAN VIDYUT PRODUCT/ M/s. KEC INTERNATIONAL LTD/ M/s. GLOSTER LTD.

2.2 JUNCTION BOX

Outdoor type Boxes should be made up of FRP type. Top should be slanting for flow of water. Junction boxes should be of lockable type. Doors shall be provided with all round neoprene gaskets.

2.3 MOUNTING PIPE

- Modification of the existing mounting pipe shall be done only using GI items.

- Modification part has to be duly painted and shall ensure that light fixtures fitted tightly.
- Modification shall be designed to withstand the maximum wind speed of 160km/hr by the light fixtures.
- Modification to be done in such a way that light fixtures can be removed easily.
- Necessary design approval from Port representative shall be taken before modification process.

3.0 INSTALLATION AND COMMISSIONING

- The Contractor shall commence and complete the work as per the BOQ and proper care should be taken of the charged electrical installation. The work is to be carried out as per the site conditions and relevant IS standards
- The Contractor shall complete the work to the satisfaction of the Chief Mechanical Engineer or his representative.
- The work should be carried out with utmost safety precaution with minimum possible disruption of power supply.

PRICE SCHEDULE (BILL OF QUANTITIES)

NAME OF WORK: REPLACEMENT OF STREETLIGHT FITTINGS AT PORT BUILDINGS

Sr. No.	Description	Unit	Qty	Unit Rate in (Rs.)		Amount in (Rs.)
				In fig.	In words	
1	Shifting of old pole. Excavation of 1 metre deep trench, painting, installing the pole and providing concrete muffing & installing, wiring & commissioning of the fitting. While muffing the pole, 2" dia alkathene pipe of length 1.5m to be provided for cable entry.	No.	6			
2	Laying underground L.T. aluminium armoured cable of size 2C x 10sqmm, Excavation in Rocky soil, upto depth of 40cm and width of 30cm, and refilling back with soil. Where road crossing is there, cable to be laid through GI pipe and the road to be made good after the work is completed (Cable and G.I. pipe will be supplied by Port at MM Division).					
	a) Laying Underground	m	850			
	b) Crossing the road by laying GI pipe	m	14			
3	Supply, Installation, connection & commissioning of outdoor FRP type streetlight pole junction box.					
	a) Supply	No.	40			
	b) Installation, Connection	No.	40			
4	Supply, laying & connection of 3cx1.5sqmm flexible copper cable by laying the cable through the streetlight pole from the junction box to the streetlight fitting.					
	a) Supply	m	250			
	b) Laying & Connection	m	250			
5	Installation, testing & commissioning of LED streetlight fittings with necessary modification in the existing mounting pipe. (Only LED fittings will be supplied by Port at MM Division)	No.	182			
Total						

(In Words

Rupees _____ only)

Note: The offered rates shall be inclusive of all taxes and duties. Service Tax shall be paid as applicable. If, any new tax will be imposed by State/Central Govt. and same will be reimbursed on producing documentary proof.