

**NOTICE INVITING BUDGETORY OFFERS**

Name of Work	<b>Supply and laying of 4 core X 150 sq.mm aluminium armoured cable.</b>
Budgetary Quotation no:	<b>CME/XEN (E-HR)/ 25/H6/B5</b>
Date of submission of budgetary quotation	On or Before <b>10/02/2025.</b>
Address for communication:	Executive Engineer (E-HR), 2nd floor, Mechanical Engineering Department, Mormugao Port Authority, Admin. Building, Headland sada Vasco-de-Gama Goa - 403804
Contact Details	Phone : (0832) 2594207, 2594577 Email : <a href="mailto:mohamed.shaik@mptgoa.gov.in">mohamed.shaik@mptgoa.gov.in</a>
Website	<a href="http://www.mptgoa.gov.in">www.mptgoa.gov.in</a>

**EXECUTIVE ENGINEER (E-HR)  
MORMUGAO PORT AUTHORITY**

## TECHNICAL SPECIFICATION

### 1. GENERAL

MPA intends to lay 2 runs of 4-core x 150 sq.mm 1.1KV grade XLPE Aluminium armoured cable from Load distribution centre to 11 KV Substation at MRH and from 11 KV Substation to distribution panel at Break water Gate.

### 2. SCOPE OF WORK :

- 2.1 The contractor shall supply a new 4-core x 150 sq.mm 1.1KV grade XLPE Aluminium armoured cable. The cable must be delivered to the site without any physical damage. The contractor is also required to furnish the cable test report to the Site Engineer.
- 2.2 The contractor shall provide NP4 Hume pipes with a 4-inch diameter, complete with the necessary collars for connecting two pipes using cement mortar. These pipes shall be laid by cutting the road, and the road shall be restored with cement concrete after laying of cables.
- 2.3 Where necessary, the contractor shall fix the cables on the wall using saddles of appropriate size, ensuring the cables is positioned at least 1 meter above ground level. The saddles shall be spaced 0.5 meters apart.
- 2.4 The contractor shall excavate a trench with a depth of 1 meter and a width of 0.6 meters to accommodate two runs of cables. After the cables are laid, the trench shall be backfilled and levelled. Proper cushioning shall be provided to the cables, and a protective cover slabs shall be placed over the cables once they are laid.
- 2.5 In areas with an existing RCC cable trench, the cover slabs must be removed. The trench must then be thoroughly cleaned by removing debris such as garbage, slurry, and mud, without damaging existing cables. New cables may only be laid after the trench thoroughly cleaned.
- 2.6 The contractor shall lay two runs of 4-core x 150 sq.mm XLPE aluminium-armoured cable from the Load Distribution Centre to the 11 KV Substation at MRH and two runs from 11 KV Substation to the Distribution panel at breakwater Gate. The cables shall be laid in the existing RCC trench, in excavated trenches, through Hume pipes at road crossing, on cable tray and clamping on the wall as per the site condition.

- 2.7 The contractor shall supply and install cable route markers at 20-meter distance along the cable route, as directed by the Engineer-In-Charge.
- 2.8 Upon completion of cable laying, the cable trench must be securely covered with the original cover slabs. Additionally, the excavated area must be refilled properly, levelled and the road shall be restored.
- 2.9 The cables must undergo insulation resistance (IR) testing. If the test results are satisfactory, the contractor shall terminate the cables at both ends using suitably sized lugs and glands. All materials including gland, lugs etc. required for the termination must be supplied by the contractor.

### **3. MINIMUM ELIGIBILITY CRITERIA**

- i. Only Electrical contractors possessing a valid Electrical license to work on minimum 1.1KV lines issued by the licensing board shall be eligible to quote for the enquiry.
- ii. The Bidder shall have successfully completed one Similar Work during last 7 (Seven) years ending last day of month previous to the one in which quotations are invited.

**Note:** Similar works means "Laying of H.T/L.T Electrical power cables at Central Govt. / State Govt. / Port Sector / PSU or any reputed organization".

### **4. SPECIAL TERMS AND CONDITIONS**

- i. The Contractor shall commence and complete the work as per the BOQ and technical specifications. The work and quantity is to be carried out as per the site conditions and relevant IS standards.
- ii. The Contractor shall complete the work in all respect to the satisfaction of the Engineer-In-Charge or his representative.
- iii. The work should be carried out with utmost safety precaution with minimum possible disruption of power supply. The contractor has to ensure that that cables are disconnected on both the sides.

## **5. Completion Period:**

The entire work shall be completed within **90 days** from date of issue of Letter of Award (LOA) / PO.

## **6. Guarantee Period:**

The Contractor shall guarantee the subject work for a period of one year from the date of satisfactory completion of work and acceptance by Port. If any defect is observed during the guarantee period, the same shall be rectified by the Contractor, free of cost under guarantee obligations.

## **7. OTHER TERMS AND CONDITIONS**

- i.** The firm is advised to visit the site and get acquainted with the nature of the work involved at site conditions before quoting the offer.
- ii.** The Scope of work ,Technical Specifications and price schedule (bill of quantities – BOQ) should be read in conjunction to ensure the actual works involved.
- iii.** The firm should engage skilled service personal with the relevant required tools and instruments for executing/commissioning of the work.
- iv.** The Contractor personnel engaged in the work shall follow all safety, security and General Rules enforced by Mormugao Port Authority (MPA) for which the firm will be solely responsible.
- v.** MPA will not be responsible for any loss or damage of men/ materials/ tools/ equipment's engaged by the bidder during the work at site /transportation.
- vi.** The bidder should indicate the GST No., in the invoice.
- vii.** No advance payment will be made.
- viii.** Final payment will be made only after successful completion of the entire work to the satisfaction of the Engineer in charge.
- ix.** For any clarifications, the bidder may contact the Executive Engineer (E-HR) at 2nd floor of the Administrative Office, Ph.0832-2594207/4577/4579.
- x.** Necessary electrical power supply required for the work will be provided by MPA at free of cost. However, the bidder shall make his

own arrangements to take power supply from the nearest source of supply.

**PRICE SCHEDULE (BILL OF QUANTITIES)**

**Supply and laying of 4 core X 150 sqmm aluminium armoured cable.**

Sr. No.	Description of work	Qty	Unit	Rate Per Unit (Rs)	GST %	Amount (Rs)
A	B	C	D	E	F	G=ExC
1	Supply of 4 core x 150 sq.mm XLPE Aluminium armoured cable.	1700	M			
2	Supply of NP4 Hume pipes of diameter 4 inch	60	RM			
3	Excavation of trench in hard soil of size 1.0 meter deep and 0.5 meter width and Back filling of trench.	600	RM			
4	Laying of 4 core x 150 sq.mm 1.1 KV XLPE Aluminium armoured cable from LDC to 11 KV Substation at MRH and from 11 KV Substation to Distribution panel at Breakwater Gate.					
4. a	Through Hume pipes at road crossing	60	RM			
4. b	In excavated trench with protective slab covers	1150	RM			
4. c	Clamping on wall	430	RM			
4. d	Through RCC trench	60	RM			
5.	Providing end Termination of LT 4 core x 150 sq.mm cables by providing suitable glands and lug.(All the material required for termination shall be supplied by contractor)	8	Nos.			
6.	The contractor shall supply and install cable route markers at 20-meter distance along the cable route, as directed by the Engineer-In-Charge.	25	Nos.			
<b>TOTAL (Rs)</b>						

(In Rupees \_\_\_\_\_ Words only).

Date:

Signature:

Place:

Name:

Address:

Office seal of firm:

**Note:**

1. The bidder shall quote the price exclusive of GST. Applicable GST shall be paid on the quoted price. The bidder shall indicate the applicable GST rate on the goods/services in the price bid.
2. The quantity specified in BOQ is indicative, however, payment will be made as per actuals.
3. The BOQ shall be read in conjunction with Scope of work.