

NOTICE INVITING BUDGETORY OFFERS

Name of Work	Location and rectification of cable faults of Aluminium armoured LT power cables laid in Trench at Breakwater and Mole Berth of MPA
Date of submission of budgetary quotation	On or Before 30/07/2025 at 15:00 Hrs.
Budgetary Quotation No	CME/XEN (E-HR)/2025/H16/B12
Address for communication:	Executive Engineer (E-HR), 2nd floor, Mechanical Engineering Department, Mormugao Port Authority, Admin. Building, Headland sada Vasco-de-Gama Goa - 403804
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EXECUTIVE ENGINEER (E-HR)
MORMUGAO PORT AUTHORITY

TECHNICAL SPECIFICATION

Bid should be complete and covering the entire scope of job / supply and should conform to the technical specifications indicated in the bid documents. Incomplete and non-conforming bids will be rejected outright.

1.0. SCOPE OF WORK

1.1 Working Area :

Cruise terminal and Mole berth at Mormugao Port Authority area as directed by the Engineer-In-Charge.

1.2 General

Contractors may make themselves fully familiarized with the locations and the type of jobs to be carried out therein, so that the scope of work is clearly understood and requirement of resources assessed for smooth and efficient execution of the contract. Engineer-In-Charge may be contacted for this purpose.

1.21 Execution of job includes execution of all preceding and connected jobs.

1.22 The Contractor shall work as per the planning & priorities given by Engineer-In-Charge.

1.23 Materials used shall be strictly as per specification.

1.3 Mode of Measurement:

Measurement of work will be made as per actuals on the UOM (Unit of Measurement) as quoted in the BOQ (Bill of Quantity) and as per specification. Cables have to be rectified and commissioned in all respect, no half work on cable will be accepted

1.4 No of Cables and Length to be rectified:

Total 3 nos. LT Aluminium armoured cables laid in trench with length varying between 200 m to 700 m approximately are proposed for rectification of faults.

1.2 The detail scope of work for location and rectification of above cables is as follow but not limited to:-

- a. Ensure that the cables are disconnected on both the sides.
- b. Pin Point the faults on the cable by using cable fault locating equipment.
- c. Expose the faulty portion of the cable by removing the slabs of the trench. The slabs are of RCC of size approx. 125X100x20 (L*B*W) (in cm), as such crane may be required to remove the slab, the contractor shall arrange crane at his cost for removal and replacement of trench cover.

- d. Cut the damaged cable portion as per safe industry practice and megger the cable on both the sides and note the megger values.
- e. Join the cable using heat shrinkable cable joint kit.
- f. In case of additional fault on the same cable, the same has to be pin pointed and rectified, following procedure as given above from Sr.No. 1.2a to 1.2e. If one or more faults are identified on the same cable, the location charges will be applied per cable, not per fault. Accordingly, a single charge will apply for each cable, regardless of the number of faults detected on it.
- g. In case the fault is located inside the pipes used for crossing, the contractor shall cut the cable at the extreme end and lay the cable from the end to the panel through pipes and joint should be at one end of the pipe. After completion of the work the berth has to be redone by putting concrete

Note: The cable piece of required size and length for making cable joints, if required, will be supplied by the Port.

- 1.3 After making of cable joints, the cable shall be reconnected, tested and commissioned in all respect before attending the next cable.
- 1.4 All other items, tool tackles, material including cable joints, etc. which are required for completion of the work shall be supplied by the contractor.

2. Heat shrinkable joint kit

Type: Heat Shrinkable Straight joint.

Voltage: 1.1 KV

Size:

- a) 3.5C X 150 sq. mm. (Qty. will be based on site requirement and number of faults)
- b) 3.5C X 240 sq. mm. (Qty. will be based on site requirement and number of faults)

3. Cable Laying

- a. Laying of 3.5C X 240 sq. mm Al armoured cable from panel no. 3 to 4 on Mole berth by crossing the berth through 4" GI pipes. After completion of the work the GI pipes shall be covered with concrete. Required length of cable will be supplied by MPA

3.0 MINIMUM ELIGIBILITY CRITERIA

3.1 Only Electrical contractors possessing a valid Electrical license to work (minimum 415 V) issued by the licensing board shall be eligible to quote for the quotation enquiry.

3.2 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 "Locating and Rectification of fault on H.T/L.T Electrical power cables at Central Govt. / State Govt. / Port Sector / PSU or any reputed organization".

4.0 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.

5.0 OTHER TERMS AND CONDITIONS

- i. The Contractor is advised to visit the site and get acquainted regarding the nature of the work involved at site conditions before quoting the offer.
- ii. The Contractor should engage skilled service personnel with the relevant required tools and instruments for commissioning the same.
- iii. The Contractor personnel engaged in the work shall follow all safety, security and General Rules enforced by Mormugao Port Authority (MPA) and the Contractor will only be responsible for the same.
- iv. MPA will not be responsible for any loss or damage of the men / materials / tools / plants engaged by the Contractor during the work at site / transportation.

- v. No advance payment will be made.
- vi. Final payment will be made only after satisfactorily completion of the work.
- vii. Necessary entry passes shall be obtained by the Contractor at their own cost with the approval of Port Officials.
- viii. Necessary electrical power supply required for testing of cables will be provided by MPA free of cost at the nearest possible point. However, the Contractor should make his own arrangements to take power supply from the nearest source of supply.

BILL OF QUANTITIES

Name of work: Location and rectification of cable faults of Aluminium armoured LT power cables laid in Trench at Breakwater and Mole Berth of MPA

Sr. No.	Description of work	Unit	Rate Per Unit (Rs)	GST (%)	Amount (Rs)
I	Charges for cable fault finding for 1.1KV Al. Armoured LT cable of 3.5C X 150 sq. mm sqmm of length approx..200 mtr laid in Trench.	ea			
II	Charges for cable fault finding for 1.1KV Al. Armoured LT cable of 3.5C X 240 sq. mm sqmm of length approx..750 mtr laid in Trench.	ea			
II	Supply of heat shrinkable joint kit of 1.1KV cable of size and making of straight joint.				
a.	3.5C X 240 sq. mm	ea			
b.	3.5C X 150 sq. mm	ea			
III	Charges for removal of slabs and refixing it. Slab size (125X100x20 (L*B*W)) (in cm)	ea			
IV	Supply of GI pipe of 4 inch dia	mtr			
V	Laying of GI pipe of diameter 4 inch on the berth by grove cutting the concrete road and repairing with concrete after laying of cable.	mtr			
IV	Laying of cable 3.5C X 240 sq. mm (cable will be supplied by MPA)				
a	Through the GI Pipe	mtr			
b	Through the cable trench	mtr			
V	Providing end Termination of LT 3.5 core x 240 sq.mm cables by providing suitable glands and lug.(All the material required for termination shall be supplied by contractor)	ea			

(In Words Rupees _____
only, exclusive of GST)

Note: 1) The rates quoted shall be inclusive of transportation, lodging and boarding, etc. but exclusive of GST. Applicable GST shall be paid extra as applicable.