

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT

NOTICE INVITING BUDGETARY OFFERS

Name of Work	Re-Routing of the Port's 33 KV Power cable near Goa Airport
Date of submission of offers	on or before 11/04/ 2016 at 1430 Hrs.
Address for communication:	Executive Engineer (G) Engineering Mechanical Dept., Mormugão Port Trust, Admin Offices, Sada Mormugão, Goa – 403804.
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CHIEF MECHANICAL ENGINEER
MORMUGAO PORT TRUST

SCOPE & SPECIFICATIONS

Name of Work: **Re-Routing of the Port's 33 KV Power cable near Goa Airport**

Description:

The work involves re-routing the Port's 33KV, 300 mm² XLPE underground Power Cable running along NH-17B from a point just after the Goa Airport multi-level parking lot for a distance of around 315 mtrs., to avoid a new slip-road and flyover being constructed over the present route.

Scope of work:

1. Excavation of existing trench/joint pit/loop pit (by any means) for making the heat **shrinkable joint, stacking excavated material on one side of the trench/pit.** Excavation of a fresh cable trench to a depth of 1.5 mts along the NH-17B/storm drain as shown in the layout.
2. Laying of sand free from pebbles, 300mm thick with minimum 10mm below the cable in trench as per instruction of engineer in-charge.
3. Laying of an additional length of about 315 mtrs of screened XLPE aluminium, armored cable of size 3x300 mm² in the new cable trench and making 2 nos of straight through heat shrinkable joints (joint kits of Raychem make) for connecting the old existing cable to the additional length. (Cable which will be supplied by the Port shall be transported by the contractor from MM complex, Baina to the site). The joint work shall be carried out by OEM approved jointer. Cable will also have to be passed through pipes in some sections of the route, pipe to be supplied by Port.
4. Laying of rough cut cudappah tile of 300mm width x 30mm (min) thk with cover tiles of 300mmx20mm, overlapping 100mm on either side at joints. (Max length of tiles permitted is 900mm).
5. Refilling of loose soil in the trench/pit after removing stones larger than 25mm, including ramming for consolidating the earth, heaping of trench above the ground level to a height of 20mm or as directed by Engr-in-charge. This item also includes disposal of surplus earth/rocks within a radius of 5km. of excavation.
6. Hi Pot test to be carried out on both the cut portions of the existing cable before making the joints and on the entire length of the cable after making both the heat shrinkable joints
7. RCC cable route markers to be provided at intervals of 30 mts

SCHEDULE OF RATES/PRICES

Name of Work: Re-Routing of the Port's 33 KV Power cable near Goa Airport

Sr. no.	Description	Estd. Qty	Unit	Rate per unit (Rs.)	Amount
1.	Excavation of existing trench for creating a joint pit/loop pit (by any means) stacking excavated material on one side of the trench/pit. Excavating a fresh cable trench to a depth of 1.5 mts along the shoulder of NH-17B as shown in the layout & refilling of loose soil in the trench/pit after removing stones larger than 25mm, including ramming for consolidating the earth, heaping of trench above the ground level to a height of 20mm or as directed by Engr-in-charge. This item also includes disposal of surplus earth/rocks within a radius of 5km. of excavation.	485	cum	Rs. _____/- (Rupees _____ _____ _____ only)	Rs. _____/- (Rupees _____ _____ _____ _____only)
2.	Laying of screened XLPE aluminum conductor armoured cable of size 3x300 mm ² in the new cable trench and through RCC pipe where necessary. (Cable and pipe supplied by Port)	315	mts	Rs. _____/- (Rupees _____ _____ _____ only)	Rs. _____/- (Rupees _____ _____ _____ _____only)
3.	Supply & carrying out 3C x 33KV 300 Sq.mm straight through joint work with heat shrinkable type kits (Raychem make) on the 3 core, 300 sq.mm XLPE, 33 KV cable by OEM approved jointer (2 Nos.)	LS	LS	Rs. _____/- (Rupees _____ _____ _____ only)	Rs. _____/- (Rupees _____ _____ _____ only)

4.	Supply & laying of sand free from pebbles, 300mm thick with minimum 10mm below the cable in trench/joint pit/loop pit as per instruction of engineer in-charge	40	cum	Rs. ____/- (Rupees _____ _____) only)	Rs. ____/- (Rupees _____ _____) only)
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5.	Supply & laying of rough cut cudappah tile of 300mm width x30mm (min) thick with cover tiles of 300mmx20mm, overlapping 100mm on either side at joints. (Max length of tiles permitted is 900mm)	315	Rm	Rs. ____/- (Rupees _____ _____) only)	Rs. ____/- (Rupees _____ _____) only)
6.	Transporting the screened XLPE aluminum conductor armoured cable of size 3Cx 300mmsq and length 315 mts from MM complex Baina to site	01	no	Rs. ____/- (Rupees _____ _____) only)	Rs. ____/- (Rupees _____ _____) only)
7.	Providing RCC route markers at intervals of 30 mts	11	nos	Rs. ____/- (Rupees _____ _____) only)	Rs. ____/- (Rupees _____ _____) only)

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8.	Testing and re-commissioning of the cable as a whole	LS	LS		Rs. ____/- (Rupees _____ _____ _____ only)
9.	TOTAL			Rs. ____/- (Rupees _____ _____ _____ only)	Rs. ____/- (Rupees _____ _____ _____ only)

(Rupees _____ only)

Signature of authorized

Representative with

Office seal of firm

Date : _____

Place: _____

Note:

Rates quoted above shall include cost of materials, consumables, labour, transport etc. required for execution of the tendered work as well as inclusive of taxes, duties, levies, etc. except service tax which will be paid extra as applicable.