

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT

Quotation no. CME/XEN(PROJ)/REROUTING/2017/05



**An ISO 9001 : 2008 Port
ISPS CODE Compliant**

QUOTATION
FOR
REROUTING OF 11KV GoG LINE NEAR GATE NO.9 AT MPT

Due at 1430 PM on 20.09.2017

Website : www.mptgoa.com

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT

Quotations are invited in a sealed cover from authorized firms duly super scribed as
QUOTATION FOR "Rerouting of 11KV GoG line near Gate no.9 at MPT"

Details about Quotation:

Quotation invited by	CHIEF MECHANICAL ENGINEER, MORMUGAO PORT TRUST
Quotation No.	CME/XEN(PROJ)/REROUTING/2017/05
Name of Work	"Rerouting of 11KV GoG line near Gate no.9 at MPT".
Tender Cost	Rs.500/- in the form of DD from Nationalized/Scheduled Banks in favour of the Financial Advisor & Chief Accounts Officer, MPT, payable at Vasco, Goa to be submitted along with the quotation, otherwise the offer shall not be considered.
Security Deposit	10% of PO value will be retained from the final bill.
Completion Period	The work should be completed within 30 days from the 7 th day of receipt of LOA.
Liquidated Damages	For delay in supply/work Liquidated Damages, equivalent to 0.5% of the total contract value/per week or part thereof subject to maximum 5% are liable to be deducted from any moneys due or become due to the Contractor.
Payment terms	100% payment will be made within 15 days after satisfactory successful completion of work on producing invoice complete in all respect. The contractor shall furnish their bank account number PAN card, MICR number Name of the Branch along with Bill for arranging payment made through E.C.S. by the Port.
Bid Validity	60 Days from the date of opening of the quotation.
Guarantee Period	1 Year
Date of submission of bids	20.09.2017 till 1430 Hrs.
Date of Opening of bids	20.09.2017 at 1500 Hrs

Address for communication and submission of bid:	Executive Engineer (Projects) 2 nd floor A.O. Bldg, Headland Sada, Engineering Mechanical Dept., Mormugao Port Trust, Mormugao, Goa – 403804.
Contact Details	Phone :0832-2594229/4269/4208; Email : xenproj.mgpt@gmail.com
Website	www.mptgoa.com

**CHIEF MECHANICAL ENGINEER
MORMUGAO PORT TRUST**

1.0 GENERAL

Mormugao Port Trust proposes to construct a full rake handling railway line with a paved 30 m wide platform alongside the railway corridor from Gate no.9 towards Harbour. A 11KV overhead line of 150 mtrs, supported on a three pole structure belonging to the Electricity Department, Govt. of Goa is an obstruction in the upcoming paved platform alignment as also a stretch of around 150 mtrs beyond 6 pole structure is required to be re-routed as it is a hindrance to the construction of Pier 130 of the Fly-Over. Therefore a total stretch of around 750 mtrs is required to be dismantled and re-routed through a built-up RCC cable trench from the GOG substation till the 3rd Pole of Electricity Department beyond 6 pole structure near old MPT Power House (tentative cable route is indicated in the drawing enclosed). The RCC trench is under construction by MPT.

1.1 SCOPE OF WORK:

The scope of work involves re-routing of the 11KV line from the GOG substation till the 3rd Pole of Electricity Department beyond the 6 pole structure near old MPT Power House complete including coordination and liaisoning with the Electricity Department, Govt. of Goa and execution of the works under the supervision of Electricity Department, Goa. The execution of work consists of following:

- i. Laying in RCC trench constructed by the Port, two runs of 11 KV, 3C x 185 sq.mm HT XLPE, AL armoured cables. The 11 KV, 3C x 185 sq.mm HT XLPE, Al armored cable has been procured by the Port and the same will be supplied to the contractor for laying in the trench.
- ii. Supply and making of Heat shrinkable straight through cable joints within the RCC trench,if required.
- iii. Supply and making of outdoor end terminations of 11 KV, 3 C x 185 sq.mm. H.T. XLPE, Al. Armored cables on outdoor structure of Electricity dept. and connecting jumpers.
- iv. Testing and commissioning of the complete installation.
- v. Dismantling the existing 11 kV overhead transmission lines and Poles behind GCB building with accessories after successful commissioning of the U/G cable distribution system and handing over the dismantled materials to Electricity Dept including transportation over a distance of 10 kms with requisite acknowledgement.

- vi. Co-ordination and liasoning with the Electricity department, GoG for obtaining necessary approval and shutdown for carrying out the work under their supervision.
- vii. The work shall be executed complying with the IER, CEA and relevant IS standards with latest amendments.
- viii. The 11KV, XLPE cable armoured 3c x 185 sqmm, 1500 mtrs, in 3 lengths, shall be transported from MM division, Baina and shifted at site for laying in the trench by making necessary arrangements as part of the contractual obligations without any financial implications to the Port.
- ix. The bidder shall inspect the site and assess the work involved in detail. The bidder shall take into account any fittings, accessories, apparatus, modifications or any other works not specifically indicated in the tender but otherwise essential for overall completion of the work before submitting his offer and the same shall be deemed to have been included in the scope of supply.
- x. All the work shall be carried out as directed by Engineer in charge.

1.2 DETAILED TECHNICAL SPECIFICATIONS:-

1.2.1 LAYING OF HT CABLE THROUGH TRENCH (3 core x 185 sq. mm):

This includes laying of 2 runs of 11 KV, 3 C x 185 sq.mm. H.T. XLPE, AL. Armored cables through the RCC trench. The cable shall be laid after opening of RCC trench by removing the RCC Cover. Cable trench shall be cleaned properly. After laying of the cable, cable trench shall be reclosed as desired. This work includes all labour, tools, tackles, as per site requirements.

1.2.2 LAYING OF HT CABLE THROUGH GI PIPE (3 core x 185 sq. mm):

- a. Laying of 11KV Armoured XLPE cable of size 185 sq. mm through suitable GI pipe, class B for cable risers (4 nos x 5 m), with suitable MS clamps and M.S. channels etc and G.I. hardware.
- b. Laying the cable through RCC pipe for Road/Rail crossing wherever necessary for which pipes are laid by MPT.

The makes of the items used shall be as per the list of approved makes at Annexure-A.

1.2.3 HEAT SHRINKABLE STRAIGHT THROUGH JOINT AND END TERMINATION:

a) Supply of cable joints and end termination

- i. The underground Straight through joints kits and outdoor end terminations to 11KV 3 C x 185 sq.mm XLPE armoured Al conductor cable shall necessarily be heat shrink type of approved make.
- ii. All accessories and other material shall conform to the relevant IS specification.

b) Making/putting up underground cable joints and outdoor end termination of heat shrinkable type

- i. The underground cable joints and end terminations on 11 KV HT, 3 core x 185 sq. mm. XLPE, armoured, aluminium conductor cable shall be done by skilled and experienced jointers to the satisfaction of the Engineer in charge.
- ii. This includes providing and making of heat shrink type straight through joints (wherever required) and providing and making heat shrink type outdoor end terminations as per the requirement.
- iii. A sufficient length of the cable shall be provided for a loop (3 to 5 mtr) for future requirement before commencing termination work.
- iv. The work includes all labour and material required and shall be to the satisfaction of the Engineer-in-charge.

1.2.4 TERMINATION ON THE ELECTRICITY DEPT. STRUCTURE

Providing jumpers with ACSR Conductor for cable end termination to line accessories on the Electricity Dept. structure with all material, labourers, tools, tackles to the satisfaction and as directed by Engineer-in-charge.

The makes of the items used shall be as per the list of approved makes at Annexure-A.

1.2.3 INSTALLATION & COMMISSIONING

- a) The Contractor shall commence and complete the work as per the BOQ and proper care should be taken of the energised electrical installation. The work is to be carried out as per the site conditions and relevant IS standards
- b) The Contractor shall commence erection of equipment immediately after receipt of the equipment and complete the work to the satisfaction of the Chief Mechanical Engineer or his representative and under supervision of Electricity Department.

Safety measures during entire work execution shall be followed by the contractor as per relevant safety standards.

- c) The work should be carried out with utmost safety precaution and with minimum possible disruption of power supply.
- d) The installation of the various equipments shall be carried out as per IER and relevant standards amended upto date. The work has to be carried out in co-ordination and liasoning with the Electricity department for obtaining necessary approval and arranging power shutdown for carrying out the work and as directed by the EIC.

1.2.4 DISMANTLING OF OVERHEAD LINES AND POLES

The work comprises of dismantling the existing 11 kV overhead line 3 pole structure, insulators and hardware accessories, etc. complete after successful commissioning of the underground cable distribution system. The work also includes transporting of all the dismantled materials over a distance of 10 kms and handing over the material to Electricity Dept. as directed by EIC.

Note: The supplier must quote strictly as per 'schedule A1'.

2.0 LIST OF APPROVED MAKES:

Sr. No.	Item	Name of Manufacturers
1	Voltmeter and Ammeter	AE / MECO / YOKINS / NIPPEN
2	Selector switches, Push buttons, Emergency Switches	KAYCEE / L & T / GE / BCH / LEGRAND
3	HRC Fuses	L & T / GE / SIEMENS / ABB / INDO KOPP
4	Indicating light	AE / KAYCEE / VAISHNAV / L & T / SIEMENS
5	MCB	L & T / LEGRAND / SIEMENS / ABB / SCHNEIDER
6	Sub Distribution Board	L & T / LEGRAND / SIEMENS / SCHNEIDER / HENSEL
7	EL MCB	L & T / SCHNEIDER / LEGRAND / SIEMENS / ABB
8	FRLS PVC insulated copper conductor single/multi core stranded wires of 650/1100 volt grade	HAVELLS / FINOLEX / RPG / UNIFLEX / NICCO / RR Kables
9	Steel Conduit/PVC Conduit	BEC / AKG / NIC
10	Switches, TV & Telephone Socket outlets, Boxes	MK / CLIPSAL / LEGRAND / NORTH WEST / ANCHOR
11	Light Fixtures	PHILIPS / BAJAJ / WIPRO / CROMPTON
12	Lamps and Tubes	PHILIPS / WIPRO / BAJAJ / CROMPTON
13	Ceiling fans/Wall bracket fans / Exhaust Fans	HAVELLS / CROMPTON GREAVES / USHA / ORIENTAL/ALMONARD (Exhaust Fans)
14	Cable lug & Cable Gland	DOWELLS / JHONSON / RAYCHEM
15	Terminal Blocks	WAGO & CONTROLS / PHOENIX CONTACTS / OBO BETTERMANN
16	Multi-function Meter	ABB / SIEMENS / L&T / HPL SOCOMEC/CONZERVE (ENERCON)
17	DWC HDPE Pipe	DURA LINE / CARLON / EMTELLE
18	Contactors	L&T / SCHNEIDER / SIEMENS/ABB / BCH
19	MCCB	L&T / SIEMENS / SCHNEIDER / ABB
20	VCB / SF6/ Isolator	SIEMENS / AREVA / ABB / SCHNEIDER
21	Push Buttons	SIEMENS / ABB / TELEMECANIQUE / L&T / SCHNEIDER

22	Relays	L&T / ABB / SIEMENS / SCHNEIDER/AREVA
23	Timers	L&T / SIEMENS / TELEMECANIQUE/ABB
24	Indicating Light	L&T / SIEMENS / TELEMECANIQUE / ABB / GE
25	Indicating Instruments	AE / MECO / CONZERVE / L&T
26	HT Cable	FINOLEX / RPG / UNIFLEX / TORRENT / HAVELLS / UNISTAR /NICCO
27	LT Cable (XLPE and FRLS)	UNISTAR / FINOLEX/ NICCO / HAVELLS / RPG / UNIFLEX
28	Termination Kit/ Straight through Joint	BIRLA 3M / RAYCHEM /DENSON
29	CTs	L&T / AREVA / JYOTI / KAPPA / PRAGATHI
30	PTs	AREVA / KAPPA / PRAGATHI
31	HT Panels	SIEMENS / SCHNEIDER / ABB / AREVA
32	LT Panels	SIEMENS / L&T / SCHNEIDER / ABB
33	Cable Trays (FRP)	LEGRAND / ERCON / NEEDO / SUMMIP
34	ACB	SCHNEIDER / SIEMENS / ABB / L&T
35	Selector Switch	KAYCEE / L&T / SIEMENS / BCH / GE / SALZAR
36	Capacitor Banks	EPCOS / L&T / SCHNEIDER
37	Trivector meter	L&T / SECURE
38	Capacitor Panels	ABB / L&T / EPCOS / SCHNEIDER
39	Power Factor Correction Relay	EPCOS / L & T / ABB
40	Elastomeric Mat	PREMIER POLYFILM LTD / POLYELECTROSAFE / CHALLENGER
41	MS & GI Conduits Accessories	STEEL MARK / NIC
42	Transformer	ABB / SCHNEIDER / SIEMENS/KIRLOSKAR
43	Compact substation	ABB / SCHNEIDER / SIEMENS
44	Elevators	OTIS/ JOHNSON / THYSSENKRUPP/ MITSUBISHI / HYUNDAI/OMEGA/SCHINDLER
45	ACSR conductor	TRACO CABLE CO LTD/GUPTA POWER INDS LTD./ MAHAVIR TRANSMISSION UDYOG PVT. LTD./ BHARAT CONDUCTORS/APAR CONDUCTORS/TUMKUR CONDUCTORS

46	Gang Operated AB Switch	GR SWITCH GEAR LTD./ ULTIMA SWITCH GEAR/ S&S SWITCH GEAR
47	HG Fuse Unit	HINDUSTAN CHEMICALS
48	Lightning Arrestor	ELPRO INTERNATIONAL,/ OBLUM /SHREEM ELECTRICALS/CROMPTON GREAVES/ ABB/LAMCO
49	SF6 Ring Main Unit	ABB/SIEMENS
50	11KV Pin/Disc Insulators	BHEL / WSI / ADITYA / BIRLA / MODERN INSULATORS / HINDUSTAN CHEMICALS.
51	PVC conduit pipes	PRECISION, MODI
52	G.I. pipe	JINDAL, TATA
53	Items not covered above	As per samples approved

3.0 GENERAL TERMS AND CONDITIONS

3.1. Eligible Tenderers

Bidders are advised to quote strictly as per the Price Bid.

The following should accompany the Quotation in sealed cover, viz.

- i) Tender document issued by the Port duly initialed on each page with seal of the Bidder.
- ii) Copy of a valid Electrical License for 11KV or above in the name of the contractor.
- iii) Certificate of Registration with PF Commissioner/ESI authorities and Service Tax/ GST.
- iv) Price Bid duly filled in.

3.2 Validity:

The validity period for the offer shall be 60 days from the date of opening of the quotation.

3.3 Price:

The offered rates shall be exclusive of GST. The percentage of GST shall be indicated in the price schedule. However evaluation of the tender shall be done on the basic rate. If, any new tax is imposed by State / Central Govt. the same will be reimbursed on producing documentary proof.

3.4 Completion Period:

The work should be completed within **30 days** from the 7th day of receipt of the LOA.

3.5 Guarantee Period:

The Contractor shall give the guarantee for a period of **12 months** from the date of taking over of the work by the Electricity Dept. Any defect observed during the guarantee period, the same shall be rectified/ replaced by the Contractor, free of cost. However, The Security Deposit shall be converted to Performance Guarantee during the guarantee period.

3.6. Payment Terms:

- i) 100% payment shall be made within **15 days** after satisfactory and successful completion of work on producing invoice complete in all respect.
- ii) The contractor shall furnish their bank account details for making payment through ECS by the Port as per Annexure B. A copy of the PAN card, GST no., EPF& ESI shall be furnished. MICR number Name of the Branch along with Bill for arranging payment made through E.C.S. by the Port.

3.7 Liquidated Damages:

In the event of failure by the contractor to complete the execution of the work within the time stipulated in the contract or by the expiry of any period of extension granted by the Board's terms thereof, the contractor shall pay the Board as Liquidated Damages for delay to complete the work, a sum of 0.5% of contract price per week or part thereof subject to a maximum of 5% and the Board shall have the power to deduct this amount from the payment of the amounts due to the contractor or from his deposit.

3.8 Other terms and conditions

- i) All tools and tackles shall be arranged by the Contractor at their own cost.
- ii) The Bidders are advised to visit the site and get acquainted with the nature of the work involved as per the site conditions before quoting for the same.
- iii) The technical specification Schedule 'A' and Schedule of prices and quantities Schedule 'A1' to be read in conjunction to ensure the actual supply and works involved.
- iv) Necessary Entry passes shall be obtained by the Contractor at their own cost with the approval of Port Officials.
- v) The Port will not be responsible for any loss or damage of the materials/ tools/plants engaged by the firm during the work at site or transportation. Safety of the personnel at site is of utmost importance and should be adhered to as per relevant IS standards.
- vi) The Contractor shall take utmost care during the execution of the work, in the event of any damage to Port property, the cost of the damage will have to be borne by the contractor.
- vii) The power supply shall be provided by the Port free of cost for execution of the work, however, the Contractor shall take power supply from the nearest source by their own arrangement.
- viii) Address for communication and submission of bid:
Executive Engineer (Projects)
2nd floor A.O. Bldg, Headland Sada,
Engineering Mechanical Dept.,
Mormugao, Goa – 403804.
Phone :0832-2594229/4269/4208.
- ix) Further amendments if any, visit our Website www.mptgoa.com.

CHIEF MECHANICAL ENGINEER

BANK DETAILS FOR ECS PAYMENT

1. Name of Organisation:
2. Address in Detail:
3. Telephone Number:
4. Email id:
5. Name of the Bank and Branch Address :
6. Account Number :
7. Bank Branch Code:
8. MICR Number :
9. Type of Account :
10. IFSC Number :
11. CST / VAT Number :
12. Copy of PAN Card :
13. TIN Number :
14. Service Tax Regn. No.:
15. EPF No. :
16. ESI Regn. No.
17. GST Regn No.

Firm's Sign and Seal

Place:

Date:

SCHEDULE – “A1”

PRICE SCHEDULE

Sr No	Description	Unit	Qty	Unit Rate (Rs.)	Basic Amt (Rs.)	GST@ %	Total Amount incl GST
1	Laying of cable						
a	Removing trench covers, Laying of cable in the RCC trench and reclosing the same.	Mtrs	1500				
b	Laying of 11KV Armoured XLPE cable of size 185 sq. mm through suitable GI pipe for cable riser(4 nos x 5 m) including fixing on the DP structure with suitable clamps and M.S. channels etc	Mtrs	40				
2	Heat Shrinkable 11KV End Termination kit outdoor type for 11KV 3 core, 185 sq.mm XLPE cable						
	(i) Supply	No.	8				
	(ii) Making End Termination	No.	8				
3	Heat Shrinkable 11KV Straight through joint for 11KV 3 core, 120 to 185 sq.mm XLPE cable						
	(i) Supply	No.	2				
	(ii) Making Straight through cable joint	No.	2				
4	Removal of 11 mtrs long 90 lb/yd Rail poles, ACSR Racocon conductors, Pin/ Disc insulators and structural material etc. complete and transporting to Electricity Dept., Vasco	L.S.	L.S.				

(In Words

Rupees _____

_____ only)

Date:
Place:

Signature:
Name:
Address:
Office Seal of firm:

Note: a) The offered rates shall be inclusive of all taxes except GST which will have to be paid/reimbursed by MPT as applicable. However, any new tax will be imposed by State/Central Govt. and same will be reimbursed on producing documentary proof.
b) Evaluation of the tender shall be done on the basic rate.