

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT

Quotation no. CME/XEN/E-HR/H1/07



An ISO 9001 : 2008 Port
ISPS CODE Compliant

LIMITED QUOTATION

FOR "Total Rewiring of T3 shed with LED fittings and replacement of Panels at Berth no 10".

Due at 15.30P.M on22.09.2017

Website:www.mptgoa.com

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT

Quotations are invited in single cover system from authorized firms duly super scribed as
QUOTATION FOR "Total Rewiring of T3 shed with LED fittings and replacement of Panels at Berth no 10".

Quotation invited by	CHIEF MECHANICAL ENGINEER, MORMUGAO PORT TRUST
Quotation No.	CME/XEN/E-HR/H1/07
Name of Work	Total Rewiring of T3 shed with LED fittings and replacement of Panels at Berth no 10.
Document 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, otherwisethe offer <i>shall not be considered.</i> (<i>Quotation Document Fee is not refundable</i>)
Security Deposit	10 % of the contract value. Two parts: (i) 5% on contract value – to be furnished within 30 days of placement of order/LOA. (ii) 5% retention money deducted from the running bills.
Completion Period	The work should be completed within 10 weeks from the date of handing over of light fittings, cables and Electrical Panels to the contractor.
Liquidated Damages	For delay in supply/work Liquidated Damages, equivalent to 1% of the total contract value/per week or part thereof subject to maximum 10% are liable to be deducted from any moneys due or become due to the Contractor
Payment terms	100% payment shall be made within 30 days after satisfactory 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 Trust.
Bid Validity	60 Days from the date of opening of the quotation.
Guarantee Period	12 months from the date of taking over of the work.
Date of submission of bids	22/09/2017 till 15:00 Hrs.
Minimum Eligibility Criteria	Contractor should have carried out Supply and installation of LT panels within last 7 years, the copy of Work order and Completion Certificate of which to be produced.
Date of Opening of bids	22/09/2017 at 15:30 Hrs
Address for communication and submission of bid:	SE(E-Hr) Engineering Mechanical Dept., Mormugao Port Trust, Main Administrative Building, Headland- Sada. Mormugao, Goa – 403804.
Contact Details	Phone :0832-2594215/ 2594579 Email : cme.mgpt@gmail.com , melchior_teles@yahoo.co.in, soaresfreddy@gmail.com
Website	<u>www.mptgoa.com</u>

CHIEF MECHANICAL ENGINEER

TECHNICAL SPECIFICATION

1.0. GENERAL

There are 3 nos of sheds viz T1, T2 and T3 which are used for storing various type of Cargoes such as potash, steel coils etc. Because of handling of potash which is very hygroscopic in nature the moisture content inside the shed is very high .This leads to short circuits within the panel and there is potential danger of electrical shock everywhere due to heavy leakage current flowing in the metal parts inside the shed. The wiring at T-3 shed is in very bad shape. Port hence proposes to rewire the shed by replacing existing panel and shifting the same outside the shed and replacing conventional HPSV light fittings with LED light fittings.

As such, Mormugao Port Trust invites the quotation in Single cover system for the work of **“Total Rewiring of T3 shed with LED fittings and replacement of Panels at Berth no 10”**.

2.0. Scope of Work:

The scope of work broadly includes:

- a. Installation, testing and commissioning of 400 Amps, 415 V LT panel as per relevant IS specifications. The panel should be mounted on Brick wall foundation stand of 2 feet height for easy cable entry. (Panel will be supplied by Port.)
- b. Installation, testing and commissioning of 250 Amps, 415 V feeder pillar panel as per relevant IS specifications .The panel should be mounted on Brick wall foundation of 2 feet height. (Panel will be supplied by Port.)
- c. Removal of existing 250 Amps, 415 V LT panel along with the enclosure.
- d. Disconnection of existing supply cables from panel.
- e. Removal of existing light fittings, lighting DB's, ICTP's and wiring of light fittings.
- f. Rerouting and termination of existing supply cables in the newly installed panel which includes providing glands and crimping lugs. The job includes breaking the existing concrete for about 3 Mts for rerouting the cables and making good the broken concrete.
- g. Installation, wiring, testing and commissioning of 28 no's 150 Watts LED light fittings. The LED light fittings will be supplied by the Port along with 16 sqmm, 4 Core aluminium armoured cable for lighting DB. Also, 4 core 6 sqmm armoured aluminium cable for lighting DB's to the FRP JB for light fittings will be supplied by the Port.
- h. Supply, installation, testing and commissioning of 2no's double door 20 way stainless steel lighting DB's along with relevant MCB's.
- i. Supply and installation of 2.5 sqmm stranded 3 core flexible copper cable for light fittings. The cable to be connected to light fitting from FRP JB and saddling of the cable to be at a distance of 1Mts with Aluminium clamps and stainless steel screws.
- j. Termination of supply cable to the Lighting DB in DB and in the main panel and supply cable for light fittings in the DB and FRP JB.
- k. Laying, saddling, glanding and termination of 4 core, 120 sqmm aluminium armoured cable from newly installed panel to feeder pillar panel. The cable will be supplied by the Port.
- l. Installation and commissioning of 3 no's chemical earth pits along with brick wall enclosure and connecting the earth pits to main panel and pillar panel by 50 x 6 mm GI earth strip.
- m. Laying, saddling and termination of 4 core, 120 sqmm aluminium LT cable from feeder pillar panel to existing room in T3 shed. Cable will be supplied by the Port.

- n. Rerouting and saddling of 2 no's existing 35 sqmm 4 Core Aluminium armoured cable on wall and terminating the same in Feeder pillar panel.
- o. Saddling of all cables should be at a spacing distance of every 1 meter with Aluminum clamps and Stainless steel screws.
- p. All other consumable items, as necessary for the connection of wires/fittings etc shall be in the scope of bidder at no extra cost to the Port.
- q. All the works shall be carried out as per relevant IE Rules and statutory regulations.
- r. 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.

3.0. INSTALLATION AND COMMISSIONING

Installation and commissioning should be carried out to the satisfaction of the Engineer in charge. All left over / scrap materials etc. are to be promptly cleared out from the work site by the Bidder at his own cost. Left over / scrap materials should be shifted to MM.

4.0. GENERAL TERMS AND CONDITIONS

3.1. Validity:

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

3.2. Price:

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. The evaluation of tenderer will be done on "**Amount Exclusive of GST**".

3.3. Security Deposit:

i) Security deposit shall consist of two parts:

- a) The DD of 5% of the contract value rounded off to nearest 100 rupees shall be submitted within 10 days of issue of Letter of Acceptance.
- b) The balance 5% shall be recovered as Retention Money from the running bills. Thereafter, the total of 10% (DD 5% and 5% Retention Money) shall be returned after completion of Guarantee period of one year.

ii) The contractor shall furnish the Security Deposit in the form DD from Nationalized Banks in favour of the Financial Advisor & Chief Accounts Officer, MPT, payable at Vasco, Goa within 10 days from the date of issue of Letter of Acceptance (LOA). This Security Deposit shall be converted to Performance Guarantee during the guarantee period.

3.4. Completion Period:

The work should be completed within **10 weeks** from the date of handing over of light fittings, cables and Electrical Panels to the contractor.

3.5. Guarantee Period:

i) The Contractor shall give the guarantee for a period of **12 months** from the date of taking over of the work. Any defect observed during the guarantee period, the same shall be 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 on within **15 days** after satisfactory completion of work on producing invoice complete in all respect.

ii) The contractor shall furnish their bank account details for the payment through ECS by the Trust. A copy of the PAN card, GSTRegistration no etc. EPF& ESI shall be furnished. MICR number Name of the Branch along with Bill for arranging payment made through E.C.S. by the Trust.

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 1% of contract price per week or part thereof subject to a maximum of 10% 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 and logistics involved in the work shall be arranged by the Contractor at their own cost.

ii) The Bidders is advised to visit the site and get acquainted regarding the nature of the work involved at site conditions before quoting the rate.

iii) The scope of work and bill of quantities of prices and quantities "**ANNEXURE-1**"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 Trust will not be responsible for any loss or damage of the men/materials/ tools/plants engaged by the firm during the work at site or transportation.

vi) The Contractor shall take utmost care during the execution of the work, if any damage to Port property, the cost of the damage shall be deducted from the Contractor's bill.

vii) The power supply shall be provided by the Port on 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: Superintending Engineer (E-H), Engineering Mechanical Department, Mormugao Port Trust. Administrative Office, Mormugao Goa 403802. Contact no: 0832-2594215, 0832-2594579.

ix) Further amendments if any, visit our Website www.mptgoa.com

CHIEF MECHANICAL ENGINEER

Bill of Quantities

Sr.No	Description	Unit	Qty.	Basic Unit Rate	Basic Amount Exclusive of GST	GST %	Total Amount inclusive of GST
1	Installation, testing and commissioning of 415 V LT panel. The Job also includes disconnection, rerouting of existing cables to new panel, removal of existing panels, light fittings wiring, Old lighting DB.	Nos	2				
2	Installation and commissioning of 150 Watts LED light fittings on the side wall and on pillars of shed as indicated in the drawing attached. The fittings to be wired with 2.5sqmm flexible cable, the cable for which to be supplied by the contractor.	Nos	28				
3	Supply of FRP JB's 10" x 10" for the light fittings.						
	a)supply	Nos	6				
	b)Installation, testing and commissioning of FRP JB's 10" x 10" for the light fittings.	Nos	6				
4	Supply of double door 20 way stainless steel lighting DB's with a. 1 no 40 Amps 4P MCB b. 12 no 6 Amps single Pole MCB						
	a) Supply	Nos	2				
	b)Installation, testing and commissioning	Nos	2				

Sr.No	Description	Unit	Qty.	Basic Unit Rate	Basic Amount Exclusive of GST	GST %	Total Amount inclusive of GST
5	Laying and saddling of the following						
	i. 16 Sqmm 4 Core Aluminium armoured cable on wall from newly feeder pillar LT panel to lighting DB's. The job also includes termination of cables in LT panel and lighting DB.	Mts	60				
	ii. 6 Sqmm 4 Core Aluminum armoured cable on wall from newly installed Lighting DB's to FRP JB's. The job also includes termination of cables in lighting DB and FRP JB's.	Mts	750				
6	Laying, saddling of the following:	Mts	130				
	i. 120 sqmm 4 Core AL cable on the wall and terminating the cable in the Main LT panel and in existing room in T1 shed in 20" x 20 FRP JB.						
	ii. Laying and saddling of 120 sqmm 4C aluminium cable on the wall and terminating the cable in LT supply panel and feeder pillar panel.	Mts	130				
7	Rerouting and saddling of existing 2 no's 35	Mts	70				

Sr.No	Description	Unit	Qty.	Basic Unit Rate	Basic Amount Exclusive of GST	GST %	Total Amount inclusive of GST
	sqmm 4 Core Aluminium armoured cable on wall and terminating the same in Feeder pillar panel.						
8	Supply, installation and commissioning of Chemical earthing with earthing electrode developed in pipe in pipe technology with 2 bags of 25 kgs of back fill compound for each. The job also includes fabricating masonry enclosure with CI cover having lifting arrangement.	Nos	3				
9	Supply, installation and commissioning of GI earth strip 50 X 6 mm as per technical specification.						
	a) Supply	mts	30				
	b)Installation, testing and commissioning of GI earth strip	mts	30				
10	Supply and Installation of 20" x 20" FRP JB.						
	a) Supply	Nos	1				
	b)Installation, testing and commissioning	Nos	1				
TOTAL (₹)							

Note: i.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.

ii.The evaluation of tenderer will be done on “**Amount Exclusive of GST**”.