

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT

Tender no. CME/XEN(E)/ELC/T-38/18-19/T3



**AN ISO 9001-2015 PORT
ISPS CODE Compliant**

TENDER

**FOR “Supply and Installation of 32nos New Earthing stations at Headland Port
Quarters”.**

Due at **15.00 Hrs** on **08.11.2018**

Website: www.mptgoa.gov.in

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT

Tenders are invited in single cover system from firms duly super-scribed as

TENDER FOR “Supply and Installation of 32nos New Earthing stations at Headland Port Quarters”.

Details about Tender:

Tender invited by	CHIEF MECHANICAL ENGINEER / MORMUGAO PORT TRUST
Tender No.	CME/XEN(E)/ELC/T-38/18-19/T3
Name of Work	<u>“Supply and Installation of 32nos New Earthing stations at Headland Port Quarters”.</u>
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 tender, otherwise the offer <i>shall not be considered.</i> (Tender Document Cost is <i>not refundable</i>)
Earnest Money Deposit	Rs.7100/- in the form of DD only from Nationalized/Scheduled Banks in favour of the Financial Advisor & Chief Accounts Officer, MPT, payable at Vasco, Goa to be submitted along with the tender, otherwise the offer shall not be considered.
Security Deposit	10 % of the contract value. Two parts: (i) 5% of contract value – to be furnished within 20 days of placement of order/LOA whichever is earlier. (ii) 5% retention money deducted from the running A/c bills.
Completion Period	The work should be completed within 60days from the 7 th day of receipt of LOA/P.O whichever is earlier.
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 monies due or become due to the Contractor
Payment terms	100% payment shall be made within 15 days after satisfactory completion and commissioning of work and on furnishing undisputed invoice complete in all respects. The contractor shall furnish their GST code, EPF, ESI, Wage register, Attendance register, PAN card, bank account number, 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 tender.
Guarantee Period	12 months from the date of taking over of the work upon satisfactory performance.
Date of submission of bids	08 /11/2018 till 15:00 Hrs.
Date of Opening of bids	08 / 11 /2018 at 15:30 Hrs
Address for communication and submission of bid:	Executive Engineer(E-HL), Mechanical Engineering Department, Mormugao Port Trust, Electrical Section, 1st Floor, Admin. Building, Headland sada, Vasco-da-Gama, Goa - 403804
Contact Details	Phone :0832- 2594241 Email : xene.mgpt@gmail.com
Website	www.mptgoa.gov.in

CHIEF MECHANICAL ENGINEER

TECHNICAL SPECIFICATION

1.0 GENERAL

Mormugao Port Trust invites tender in Single cover system for the work of “**Supply and Installation of 32nos New Earthing stations at Headland Port Quarters**”.

2.0 SCOPE OF WORK:

The work includes Supply, Installation, Testing and Commissioning of 32 Nos. new earth stations at MPT Colony quarters at Headland.

- 2.1** The earth system shall conform to IS: 3043.
- 2.2** Supply & Installation of earthing station by excavation in hard rock area in a depth of 2 mtr x 1 mtr width fix 2mtr long x 58mm dia GI coated chemical earthing rod (pipe in strips) filled 50kg BSF earth compound powder and back filling the pit, construct a chamber of 600mm x 600mm x600mm with fire bricks covered with solid cement concrete slab. Connect the earthing rod to the meter board with 8 SWG GI wires & GI strip of size 25 x 5mm.
- 2.3** a) Earth system drawing and the manufacturer’s catalogue for the chemical earthing is to be provided before commencement of the work.
c) All the brands and specifications shall be duly approved by the Engineer-in-charge before commencement of the work in the prescribed format.
- 2.4** Normally an earth electrode shall not be situated at less than 1.5mtr from any building. Care shall be taken that the excavation for the earth electrode may not affect the column footings or foundations of the building. In such cases, the electrode may be located further away from building. The location of earth station shall be such that the soil has reasonable chances of remaining moist. Building entrances, pavements, roads etc. shall be avoided for location of earth electrodes. (I.S 3043).
- 2.5** The earth lead from earth electrode to nearest wall of the building shall be GI strip of size 25 x 5mm and length 2.5mtrs. & from termination point of GI strip on the wall to Distribution Box shall be of GI wire of size 8 SWG.
- 2.6** Earth lead shall be connected to pipe earth electrode by means of galvanized bolts, nuts, washers & cable sockets. Also interconnection of GI wire & GI strip to be done by means of galvanized bolts, nuts & washers.
- 2.7** All materials used for connecting the earth lead with electrode shall be of GI.
- 2.8** The earth lead shall be securely connected at the other end i.e. main board/Distribution Box etc. with GI nuts, bolts, washers etc.
- 2.9** The earth lead from electrode shall be laid through suitable size alkathene pipe & buried in ground at minimum 300mm depth when located outdoors. The portion

within the building shall be recessed in walls/floors with adequate chipping and suitably re-plastered for good aesthetic finish.

- 2.10** No earth electrode shall have resistance greater than 5 ohms. In rocky soil, the resistance may be up to 8 ohms.
- 2.11** Locations having more than one electrode shall be connected in parallel to reduce the resistance.
- 2.12** In locations where the full length of pipe electrode is not possible to be installed due to underneath water table, hard soil or rock, the electrode may be of reduced length, provided the required earth resistance result is achieved with or without additional electrodes, or any alternative method of earthing may be adopted, with the prior approval of the Engineer-in charge
- 2.13** Every individual earth electrode shall be allotted a serial number and an earth plate of size 10x15 cm of 14 SWG sheet steel (painted black) fixed in a conspicuous position near the earth. The following information shall be displayed with white or yellow paint on the earth plate.
- i) Earth No.....
 - ii) Earth resistance.....ohms.
- 2.14** The following tests shall be carried out before commissioning the earth stations and the same shall be duly certified by the Engineer-in-charge of the Port.
- i) Earth resistance test.
 - ii) Earth continuity test.
- 2.15** Chemical Earthing Makes: Excel/Vasudha/JK, to be put up for approval of Engineer-in-charge of the Port before commencement of 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 from the work site by the Bidder at his own cost and risk.

4.0 GENERAL TERMS AND CONDITIONS

4.1. Eligibility of the Tenderer

The following should accompany the bid document in sealed cover, viz.

- i) The contractor should be experienced Electrical contractor who have executed such works in the past. A scanned copy of completion certificate for having executed such works may be furnished alongwith the bid which shall be verified with the original before award of LOA/P.O.
- ii) Tender document issued by the Port shall be duly initialled on each page with rubber stamp of the Bidder.

- iii) Copy of a valid Electrical Contractors License to work upon LT/HT installations respectively as the case may be, should be furnished along with the bid document.
- iv) Certificate of Registration with PF Commissioner/ESI authorities and GST.
- v) Price Bid should be duly filled in. Bidders are advised to quote strictly as per price bid.

4.2 Validity:

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

4.3 Price:

- 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) Evaluation will be done only on the basic price.

4.4 Earnest Money Deposit:

- i) The Bidder shall furnish as part of its bid document, an EMD of Rs.7, 100/- in the form of DD only. Bid document without EMD shall be treated invalid.
- ii) To claim EMD exemption, the tenderer's are required to produce an attested copy of the registration Certificate issued in the name of the firm who will submit the bid document. The exemption from the payment of EMD will be allowed only if similar work of the tender match with the enlistment statement shown in the Certificate issued by SSI/MSME/NSIC or any empowered Central/State Govt. Authority. No claims for exemption without the details stipulated above will be considered. The SSI/MSME/NSIC or any empowered Central/State Govt. Authority or any empowered Central/State Govt. Authority registration Certificate shall be submitted with the bid.
- iii) In the event of Bidder withdrawing his tender before the expiry of **tender validity period of 60 days** from the date of opening of bid document, the bid document submitted by the Bidder shall be cancelled and EMD shall be forfeited by the Port.
- iv) The Earnest Money Deposit of unsuccessful Bidders shall be returned on award of Contract to the successful Bidder. No interest shall be payable on the amount of EMD in any case. The Earnest Money Deposit of the successful Bidders shall be refunded only on receipt of Security Deposit.
- v) MPT reserves right to forfeit Earnest Money Deposit in respect of successful Bidder, if bidder fails to furnish the necessary Security Deposit towards performance within 10 days of issue of LOA/P.O whichever is earlier.

4.5 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 20 days of issue of Letter of Acceptance / Purchase Order whichever is earlier.
 - b) The balance 5% shall be recovered as Retention Money from the running A/c bills. Thereafter, the total of 10% (DD 5% and 5% Retention Money) shall be returned after successful completion of Guarantee period of one year.
- ii) The contractor shall furnish the Security Deposit in the form of DD only from Nationalized / Scheduled Banks in favour of the Financial Advisor & Chief Accounts

Officer, MPT, payable at Vasco, Goa within 20 days from the date of issue of Letter of Acceptance (LOA) / Purchase Order (P.O) whichever is earlier. This Security Deposit shall be converted to Performance Guarantee during the guarantee period.

4.6 Completion Period:

The entire work shall be completed within **60days** from the 7th day of receipt of LOA/Purchase order whichever is earlier.

4.7 Guarantee Period:

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 set right by the Contractor, free of cost without any financial implications to the Port, whatsoever.

4.8 Payment Terms:

- i) 100% payment shall be made within **15 days** after satisfactory and successful completion of work on furnishing undisputed invoice complete in all respects.
- ii) The contractor shall furnish their bank account details for the payment through ECS by the Trust. A copy of the PAN card, GST code, wage register, attendance register, EPF& ESI, Bank account number, MICR number, Name of the Branch along with Bills shall be furnished for arranging payment made through E.C.S. by the Trust.
- iii) The bidder shall quote GST No. of MPT (30AAALM0293P1ZY) on all invoices raised on Port. If bidder is not registered under GST or opted for composition scheme under GST, undertaking of the same shall be submitted by the bidder.

4.9 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 monies due to the contractor or from his security deposit.

4.10 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. The transportation cost, if any, shall be borne by the contractor.
- ii) The Bidders are advised to visit the site and get acquainted with the quantum of the work involved and site conditions before quoting for the works.
- iii) The scope of work and bill of quantities at "**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 prior approval of Port Officials on duty.
- v) The Trust will not be responsible for any loss or damage to the 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 caused to the Port property, the cost of the damage shall be recovered from the Contractor's running A/c bill or may be recovered by the Board as deemed fit.
- 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 making suitable arrangements at their own cost and risk.
- viii)** Any work not mentioned herein above but necessary for overall completion of the work shall be deemed to be included in the scope of work without any additional financial implications to the Port, whatsoever.
- ix)** Under any circumstances, if the work is abandoned by the contractor for whatever reasons, the same shall be executed for successful commissioning 'thro' the external agency to be engaged by the Port at the risk and cost of the contractor. The expenditure incurred by the Port in this regards shall be recovered from the monies due to the contractor / security deposit or as deemed fit by the Board.
- x)** The works shall be carried out with due regard to safety standards prevailing in the Port.
- xi)** All the workmen shall be covered under a suitable insurance policy. Accidents, if any, fatal or otherwise at site shall be the sole responsibility of the contractor. The port should not be held liable for compensation in whatsoever manner under any circumstances.
- xii)** Address for communication and submission of bid: Executive Engineer (E-HL), Engineering Mechanical Department, Mormugao Port Trust. 1st Floor, Administrative Office, Mormugao Goa 403802. Contact no: 0832-2594241.
- xiii)** Further amendments if any, visit our Website www.mptgoa.gov.in.

CHIEF MECHANICAL ENGINEER

ANNEXURE-1

BILL OF QUANTITIES

SR. NO	DESCRIPTION	Unit	QUANTITY	Unit Rate (Rs)		Amount (Rs)	GST (%)
				In fig.	In words		
1	Providing chemical earthing in accordance with IS 3043 and as per Technical specification						
	(i) Supply	Nos	32nos				
	(ii) Installation, Testing & Commissioning	Nos	32nos				
				TOTAL Rs.			

(In Words Rupees _____ only).

Date:

Place:

Signature:

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. Evaluation will be done only on the basic price.

BANK DETAILS FOR ECS PAYMENT

1. Name of the Bank and Branch :
2. Account Number :
3. MICR Number :
4. Type of Account :
5. IFSC Number :
6. Copy of PAN Card :
7. G.S.T Regn. No.:
8. EPF No. :
9. ESI Regn. No.

Firm's Sign and Seal

Place:

Date:

APPENDIX - II

MORMUGAO PORT TRUST, GOA.		
1	Income Tax PAN No.	AAALM0293P
2	GST TIN (Provisional ID Number)	30AAALM0293P1ZY
Vendor GST Details		
1	Business Name	
2	Constitution of Business	
3	Name of Proprietor/Partners/Directors	
4	Principal Place of Business	
5	Name of Responsible Person	
6	Email	
7	Telephone Number	
8	Mobile	
9	Additional Place of Business	
(i)	Email	
(ii)	Telephone Number	
(iii)	Mobile	
10	Income Tax PAN No.(Attached Certified Copy)	
11	GST ID No./Provisional ID No.(Attached Certified Copy)	

I, Mr. Mrs. _____ (Proprietor/Partner/Director)
of M/s. _____ do certify that the information
given above is complete and correct.

Signature
(Name: _____)

Place: _____

Date : _____