



CHENNAI PORT TRUST

MEE/ GC1 / 083 / 2017 / Dy.CME(ES&CH)

BUDGETARY OFFER

FOR

**BUDGETARY OFFER FOR SUPPLY AND LAYING OF 3.5
CORE X 50 SQ.MM. 1100V GRADE, LT, XLPE, UG
CABLE FOR HIGH MAST TOWERS AT VARIOUS
LOCATIONS IN CHENNAI PORT TRUST**

SUBMISSION ON OR BEFORE 17.01.2018

**THE CHIEF MECHANICAL ENGINEER
7TH Floor, Centenary Building
Rajaji Salai, Chennai – 600 001.**

BUDGETARY OFFER FOR SUPPLY AND LAYING OF 3.5 CORE X 50 SQ.MM. 1100V GRADE, LT, XLPE, UG CABLE FOR HIGH MAST TOWERS AT VARIOUS LOCATIONS IN CHENNAI PORT TRUST

TECHNICAL SPECIFICATION
SCHEDULE - 'A'

1.0 GENERAL

Chennai Port Trust proposes for Supply and laying of 3.5 Core x 50 Sq.mm. 1100 Volts grade, LT, XLPE, UG Cable for high mast towers at various locations.

2.0. SCOPE OF WORK

- i) Supply of 3.5 Core x 50 Sq.mm. 1100 Volts grade, LT, XLPE UG Cable.
- ii) Laying of the above cable by earth excavation, Cutting of Concrete road in the existing trench by removal & re-closing concrete slabs and in open by clamping for high mast towers at various locations.

- iii) Testing and commissioning of the cable.

3.0. STANDARDS APPLICABLE:

The supply items shall conform to the latest version of the IEE /IS standards

MAKES APPROVED:

Sl No.	Description of the Items	Makes Preferred
	3.5 core 50 sq.mm, 1.1KV, grade XLPE UG cable.	UNISTAR / FINOLEX/ HAVELLS / RPG / UNIFLEX

All the materials and works specified herein shall be the entire responsibility of the firm.

The supply and works for the laying of UG cables shall be carried out as per specification and shall include the supply, laying and works as detailed and specified in Schedule 'A' and Schedule 'A1'.

4.0. DETAILED SPECIFICATION OF WORK

a) SUPPLY OF CABLE:

Supply of 3.5 Core x 50 Sq.mm. 1100 Volts grade, LT, XLPE UG Cable having stranded compacted aluminium conductor with, XLPE insulation, R,Y & B colour for phases and Black colour for Neutral core, extruded PVC inner sheathed, single layer of galvanized steel wire / strip armored, over all PVC sheathed conforming to IS 7098 Part I 1985 with latest amendments with ISI mark.

b) CABLE LAYING

1. Earth excavation of size 0.5 M width x 0.65 M depth, lay 1 run of the above cable and re-closing the trench with excavated soil and make it original level.

For HMT No. 23	-	146 M from C substation to feeder pillar
For HMT No. 11	-	115M from Canteen power supply feeder pillar
For HMT No. 1	-	55M from B Substation to HMT No. 1
For HMT No. 59	-	78 M from power supply feeder pillar
For HMT No. 47	-	180M from HMT 46 to HMT 47

Total - **574 M**

Earth excavation - 340 M
Open laying – 234 M

2. Laying of the above cable by excavating the Concrete / Tar road crossing by cutting to 0.5 M width x 1M depth and re-closing the trench with excavated soil and make it original level.

For HMT No. 59	-	30 M
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Total - **30 M**

3. Laying of the above cable shall be laid in the existing trench by opening the slab covers and re closing the same with out damaging the slab after laying of the cable.

For HMT No.11	-	18 Slabs
For HMT No.23	-	5 Slabs
For HMT No.1	-	4 Slabs

Total - **27 Slabs**

4. Testing and commissioning of work involve like cable end termination, cable clamping, cable crimping. The firm shall provide necessary accessories like lugs, clamps, connector block, bolts & nuts and washers.

5.0 COMPLETION PERIOD:

Entire work shall be completed within 60 days from the 7th day of issue of order.

6.0 GUARANTEE PERIOD:

Guarantee period will be 12 months from the date of acceptance of the work.

- (a) The contractor shall ensure no damage to Trust Properties during contract period. If any, the same shall be rectified and / or replaced at free of cost by the Tenderer.
- (b) If during this twelve months guarantee period any defects are noticed, which in the opinion of the Chief Mechanical Engineer are due to bad materials used and/or defective workmanship the Tenderer shall be required to carryout at the Tenderer's cost, such repairs, as the Chief Mechanical Engineer considers necessary or in the event of the Tenderer failing to do this within a notified time the Chief Mechanical Engineer may arrange for such repairs to be carried out and deduct the cost of such rectification of the defects from the amount retained, without prejudice to the recovery of any amount that may have been spent in excess of the deposit. For purposes, the period of 12 months shall count from the date of handing over of the completed part or whole of works by the Tenderer to the Chief Mechanical Engineer.

7.0 GENERAL TERMS AND CONDITIONS:

- 1) The technical specification – “Schedule-A” and Price Schedule – A1” to be read in conjunction to make sure of the supply and works involved.
- 2) The Contractor is required to offer rates as per Trust’s format “Schedule-A1” without fail and mention taxes and duties.
- 3) The Contracting firm shall not do any damage to the existing service / live cables/ pipe lines and if any damages happened on the above the actual charges incurred for rectification to restore as normal shall be re-covered from the firm or it shall be rectified by their own cost.
- 4) Necessary precautions shall be taken by the contractor or his labours while working near the Road, Railway Track, Power supply cables, etc.
- 5) Safety and safe custody of materials tools and plants that are required by the firm during works, testing, commissioning and till handing over to the Trust shall entirely be the responsibility of the Contractor.
- 6) The Trust shall not be responsible for any damage or loss of any of the firm’s men and materials and for any damage / accident to the firm’s personnel.
- 7) The loading, transporting and unloading of the cables and other items from the section/store to site shall be the responsibility of the contractor.
- 8) Power Supply will be provided at free of cost by the Port, however the contractor should make his own arrangements to take power supply from the nearest source of supply.
- 9) The clarifications, if any and site inspection the firm may contact “Executive Engineer (ES) at II floor of Old Administrative Office, Chennai Port Trust. Telephone Nos. 25362201 – Extn: 2542 (or) Dy.CME(ES&CH) Telephone Nos.25362201 – Extn. 2707.

**CHIEF MECHANICAL ENGINEER
CHENNAI PORT TRUST**

BUDGETARY OFFER FOR SUPPLY AND LAYING OF 3.5 CORE X 50 SQ.MM. 1100V GRADE, LT, XLPE, UG CABLE FOR HIGH MAST TOWERS AT VARIOUS LOCATIONS IN CHENNAI PORT TRUST

SCHEDULE OF PRICES AND QUANTITIES

SCHEDULE 'A1'

Sl. No.	Description of Item / Work	Unit	Qty.	Rate/Unit (Rs.)	Amount (Rs.)
1.	Supply of 3.5 Core x 50 Sq.mm. 1100 Volts grade, LT, XLPE, UG Cable as detailed in Schedule 'A'.	Mtrs.	574		
2.	Laying of the above cable by Earth excavation of size 0.5 M width x 0.65 M depth, lay 1 run of the above cable and re-closing the trench with excavated soil and make it original level.	Mtrs.	340		
3.	Laying of the above cable by excavating the Concrete / Tar road crossing by cutting to 0.5 M x 1 M depth and re-closing the trench with excavated soil and make it original level.	Mtrs.	30		
4.	Laying of the above cable shall be laid in the existing trench by opening the slab covers and re closing the same with out damaging the slab after laying of the cable.	Nos.	27		
5.	Laying of the above cable shall be laid in the open space by clamping with equal interval.	Mtrs.	234		
6.	Testing and commissioning of cables laid at various locations as detailed in Schedule 'A'.	L.S.	L.S.		
Sub Total					
GST @ %					
GRAND TOTAL					

(Rupees _____ only inclusive of all taxes and duties)

FIRM'S SIGN AND SEAL

CHENNAI PORT TRUST
GENERAL CONDITIONS

1. Taxes :

The firm shall furnish the tax invoice as per GST Act/Rules in the name of Chennai Port Trust by mentioning the GSTIN of ChPT and indicating amounts of GST separately. The GSTIN of Chennai Port Trust is 33AAALC0025BIZ9.

The firm shall remit the GST amount in the invoice to the Government within the due dates and also file the returns by mentioning the GSTIN of ChPT to avail applicable input tax credit.

Chennai Port Trust shall reimburse the GST component mentioned in the invoice to the Contractor/ Supplies / Vendor only to the extent and on reflection of the same under the GSTIN of ChPT in the GST web portal.

Applicable statutory recoveries including TDS under Income Tax, TDS under GST, etc., will be deducted / recovered while accounting for or making payments to the Contractor/Supplier/Vendor as per the applicable laws.

The Contractor should submit the Goods & Services Tax Registration Number and Pan Card Number along with the offer or otherwise the offer will not be considered for further evaluation during quotation

2. Financial Evaluation:

The Financial evaluation of the Tender will be based on the Base Price of the supply of goods or services or both excluding the applicable GST.

3. Completion Period:

The entire work shall be completed within 60 days from the 7th day of issue of order.

4. Payment Terms:

100 % Payments will be made within 30 days after completion and acceptance of work by the Trust's Engineer.

Income tax @ 2% with applicable surcharge & education cess shall be levied U/S 194 (c) of Income Tax Act 1961. Similarly Tamil Nadu Value Added Tax as per Section 13 of T.N.VAT Act 2006 shall also be deducted. In case of exemption from the above levy necessary non-deduction certificate shall be produced by the offerer from Income Tax / Commercial Tax office respectively.

The offerer shall quote the Bank Account details for the payment through ECS along with PAN. A copy of the Pan Card shall be furnished.

5. Liquidated Damages/ Late delivery charges:

The Liquidated Damages/Late Delivery Charges shall be as follows

The successful Tenderer shall complete work as per the completion period. Any delay in completion period of the work will attract Liquidated damages by way of penalty of ½ % of the total contract value per week subject to a maximum of 10%.

6. Guarantee Period:

The entire work shall be guaranteed for a period of 12 months from the acceptance of the work.

7. Validity:

The validity period for the offer shall be 120 days from the date of opening of quotation.

8. Security Deposit:

- (i) The security deposit in any manner suggested above shall be to the extent of 10 % of the total contract amount of accepted tender towards security for the due fulfilment of the conditions of contract and the Tenderer must execute an agreement in the form hereto annexed. The Demand draft/Bankers' Cheque shall be furnished within 10 days from the date of placement of order. The Demand draft/Bankers' Cheque shall be in favour of the Chairman, Chennai Port Trust payable at Chennai. No interest will be allowed on each deposits.

If the contractor have not remitted the Security Deposit amount within the stipulated time as per the order, necessary interest @ 18% P.a. on SD amount will be levied for the delayed remittance from due date of remittance to date of realization/remittance of money.

- ii) 10% of the amount deposited by the offerer as security under the agreement will be refunded to the contractor on satisfactory completion of the guarantee period.

9. ESI Clause:

The details of employees proposed to be engaged shall be furnished to this office before the commencement of the work.

- (a) As per the Govt. Notification dated 20.07.2009, Chennai Port Trust has registered under the ESI Act on 26.09.2012 with ESI Corporation and provision of ESI Act, 1948 are applicable to Chennai Port Trust, a Social Security Act, is applicable to Factories using power and employing 10 or more personnel and establishment employing 20 or more persons and drawing wages/salary upto Rs.15,000/- per month. Workers covered under ESI Act, are entitled for full medical care for self and family. Besides, cash benefit in the event of sickness, maternity and employment injury. Accordingly, the contractual/casual employees

drawing wages upto Rs.15,000/- per month employed either directly by Port Trust or through contractor are covered under ESI Act, 1948. It is obligatory on the part of the employer to calculate and remit ESI contribution comprising of employers' share of 4.75% plus employees' share of 1.75% which is payable on or before 21st of the following month, to which the salary relates.

- (b) In case of Contractor employs more than 20 employees, they should register their name with ESI as per ESI Act, 1948 and obtain ESI Code. Both Employers share of 4.75% and Employees contribution of 1.75% (recovered from employees), totally 6.5% to be paid as contribution to ESI in their Code on or before 21st of following month to which the salary relates and acknowledgement for the same shall be submitted to the Port while claiming the bill. The bill without the acknowledgment of ESI contribution will not be entertained. In case the contractor has not paid the ESI contribution same will be recovered in the running bill and paid to the ESI Corporation in contractor's code. The delay in payment of contribution payable under the Act may be recovered as an arrear of Land Revenue.
- (c) In case the contractor employs less than 20 employees, the list of employees' names, their father's name, identification proof, one passport photo shall be submitted to the Port Trust. The contribution of ESI amount, both Employers share of 4.75% and Employees contribution of 1.75% (recovered from Employees salary), totally 6.5% shall be paid by the Contractor in the Chennai Port Trust Code on or before 21st of the following month to which the salary relates or otherwise payment to the contractor will be withheld. If the contractor fails to comply with the above instruction, then the Principal Employer (Chennai Port Trust) will make payment to the ESI Corporation. Such amount will be deducted from any amount due to the contractor. The delay in payment of contribution payable under the Act may be recovered as an arrear of Land Revenue.
- (d) As per the above government Notification i) All intending tenderer at the time of Tender shall disclose all necessary documents as to whether they are covered under ESI Act or not.
- ii) In case they are covered under ESI Act, they have to furnish the details of registration.
- iii) In case the tenderer does not possess ESI Registration at the time of participation in the Tender, then they should obtain registration under ESI Regulations before award of the work by Chennai Port Trust and submit the same within 30 days from the date of issue of work order. Any payment towards the work order will be made only after the ESI registration.
- iv) The Tenderer shall submit his first bill together with evidence of having obtained registration under ESI regulations and only then the bill will be processed for payment. Subsequently, the Tenderer should periodically submit to Chennai Port the Form 6 prescribed

under ESI Regulations along with the proof for having remitted his dues under ESI Regulations in respect of the workers / labours employed for the work awarded by Chennai Port to facilitate making payment for the bills of the Contractor.

v) In case, the Tenderer is not covered under ESI Act or exempted, they would furnish necessary documents along with an affidavit in original affirming before a first class Judicial Magistrate in a Non Judicial Stamp Paper worth Rs.20.00 to that effect.

vi) In case they are not covered under ESI Act, they must additionally indemnify ChPT against all damages & accident occurring to his labour in a Non – Judicial Stamp paper worth Rs.100/-.

10. Other terms and conditions:

- a. The contractor is advised to visit the site and get acquainted regarding the nature of the work involved at site conditions before quoting the rate along with the acceptance letter.
- b. 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.
- c. The firm shall furnish their rates as per the Schedule of prices and quantities (Schedule - A1).
- d. Necessary Entry passes shall be obtained by the firm at their own cost with the approval of Port Officials.
- e. The Chief Mechanical Engineer reserves the right to award any portion of the work or to drop the work altogether at his discretion without assigning any reasons
- f. 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.
- g. For any clarification may contact Dy.CME(ES&CH) Tel 25312542 email : dycme@chennaiport.gov.in at 2nd floor of the Old Administrative office building.

**CHIEF MECHANICAL ENGINEER
CHENNAI PORT TRUST**

JUSTIFICATION

There are 78 Nos HMT installed at various locations inside the Port area for illumination purpose. In which 5 Nos. of HMT did not function due to cable fault. The 5 Nos. HMTs are situated in critical places. If the faults are not rectified darkness is caused due to non functional HMT's which affects the vehicle movement and may lead to untoward incident. To avoid this the HMT cable fault should be rectified as quick as possible. The above said HMT cables frequently getting fault due to ageing and repairing the cable are uneconomical. The cable has worked beyond the life period.

At present MM division has stated that purchase action of 50 sqmm and 70 sq mm cable has been dropped and advised to make a fresh indent due to validity did not extend by the firm. At present department do not have 50 sqmm and 70 sq mm cables for replacement purpose and men and material also not available for earth excavation work. Hence the department decided to carry out the work through outside contractors.

Dy CME (ES & CH)

A.E.(Illmn.)

