

CHENNAI PORT TRUST
No. 1 RAJAJI SALAI
CHENNAI - 600001

Quotation for Reconstruction of compound wall and removing of damaged/wornout chainlink fencing with new one around transformer at Substation in T.H Colony.

CIVIL ENGINEERING DEPARTMENT

QUOTATION NOTICE NO.Q/WMA7/320/2017/E

THROUGH E-PROCUREMENT MODE

Due Date of online submission : 15.00 Hrs. on 03.05.2017
Due Date & Time of bid opening : 15.30 Hrs. on 04.05.2017

CHENNAI PORT TRUST

CIVIL ENGINEERING DEPARTMENT

Quotation for Reconstruction of compound wall and removing of damaged/wornout chainlink fencing with new one around transformer at Substation in T.H Colony.

THROUGH E-PROCUREMENT MODE

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CHENNAI PORT TRUST

CIVIL ENGINEERING DEPARTMENT

ONLINE BID REFERENCE

Quotation for Reconstruction of compound wall and removing of damaged/wornout chainlink fencing with new one around transformer at Substation in T.H Colony.

THROUGH E-PROCUREMENT MODE

PERIOD OF DOWNLOADING
BIDDING DOCUMENT : 20/04/2017 To 03/05/2017

START DATE & TIME FOR
ONLINE BID SUBMISSION : 28/04/2017 at 12.00 hrs.

LAST DATE & TIME FOR
ONLINE SUBMISSION OF BID : 03/05/17 TIME 15.00 HOURS

TIME & DATE OF
OPENING OF BID : 04/05/17 TIME 15.30 HOURS

PLACE OF OPENING
OF BID : CHENNAI PORT TRUST,
3rd FLOOR, ADMINISTRATIVE
OFFICE BUILDING,
No.1, RAJAJI SALAI,
CHENNAI – 600 001.

**CHIEF ENGINEER
CHENNAI PORT TRUST**

Notice Invitation Quotation thro'e-portal mode



CHENNAI PORT TRUST CIVIL ENGINEERING DEPARTMENT

No.1 Rajaji Salai,
Chennai – 600001

Quotations are invited from the contractors who are satisfying the eligibility criteria for the work of “Quotation for Reconstruction of compound wall and removing of damaged / wornout chainlink fencing with new one around transformer at sub-station in T.H Colony” as per the details furnished hereunder.

Estimated Cost: Rs 3,94,967/- (approx) EMD: Rs. 7900/-
Sch 'A1' – Rs. 3,96,062/-
Sch'A2' – Rs. 1,095/-

Completion period: 3 months

(i) Should have successfully completed similar works during last 7 years (as on 31.03.2017).

a) Three similar completed works each costing not less than 40% of the present estimated cost i.e. Rs.1.58 lakhs (or)

b) Two similar completed works each costing not less than 50% of the present estimated cost i.e. Rs.1.97 lakhs (or)

c) One similar completed work costing not less than 80% of the present estimated cost i.e. Rs.3.16 lakhs and

(ii) Average Annual turnover during the last 3 years (as on 31st March 2016) should be atleast 30% of the present estimated cost. i.e., 1.18 lakhs
Documentary proof such as work order and completion certificate for experience and audited balance sheet, profit & loss account statement for annual turnover for meeting all the eligibility criteria shall be enclosed with the quotation in original or copies. If the bidder has executed the work for private firms or as a sub contract, the TDS certificate for the particular year along with the above documents shall be submitted. The bids of those firms who do not meet the eligibility criteria shall be treated as invalid and summarily be rejected.

Note: “Similar work” means “Any civil Engineering works”

Quotation documents can be obtained from the AO (Cash.) on payment of Rs.525/- (inclusive of VAT @ 5%). Pay order/ Demand Draft towards cost of the document should be drawn in favour of “The Chairman, Chennai Port Trust” payable at Chennai.

Note: The exemption certificate from NSIC/MSME is applicable for exemption from payment of EMD only and the tenderers are required to pay Rs 525/- towards cost of quotation document failing which their quotation will be rejected.

Down loading period of bid document : **20.04.2017 to 03.05.2017**

Start date & time for online bid submission : **28.04.2017 at 12.00 hrs**

Last date & time for online bid submission : **03.05.2017 at 15.00 hrs**

Date & Time of opening of bid : **04.05.2017 at 15.30 hrs**

For details, visit our web site www.chennaiportgov.in & <http://eprocure.gov.in>
Q/WMA7/320/2017/E CHIEF ENGINEER

CHENNAI PORT TRUST

CIVIL ENGINEERING DEPARTMENT

Quotation for Reconstruction of compound wall and removing of damaged/wornout chainlink fencing with new one around transformer at Sub-station in T.H Colony.

INSTRUCTIONS FOR ONLINE BID SUBMISSION

I Bidders to follow the following procedure to submit the bids online through the e-Procurement portal <http://eprocure.gov.in>.

1. Bidder should do the registration in the tender site using the 'Click here to Enroll' option available.
2. Then the Digital signature of MTNL/SIFY/TCS/nCode/eMudhra or any Certifying Authority is to be registered after logging into the site.
3. Bidder can use 'My Space' area to update standard documents in advance as required for various tenders / quotations and use them during bid submission. This will facilitate the bid submission process by reducing time.
4. Bidder may read the tenders / quotations published in the Port web site and download the required documents/tender schedules for the interested tenders.
5. Bidder then logs into the site using the secured login by giving the user id/password chosen during registration and password of the DSC/e-token class-III.
6. Only one DSC/e-token class-III should be used for a bidder and should not be misused by others. If a bidder uses more than one DSC token, the bid would summarily rejected.
7. Bidder should read the tender schedules carefully and submit the documents as asked, otherwise, the bid will be rejected.
8. If there are any clarifications, this may be clarified through online. Bidder should take into account of the Addendums published before submitting the bids through online.
9. Bidder must prepare the bid documents to be submitted in advance as indicated in the quotation and it should be in required

format. If there is more than one document, they can be clubbed together.

10. Bidder should submit the EMD as specified in the quotation. The original should be posted/couriered/given in person to the specified location as per Quotation Document, latest by the date and time of bid submission.
 11. Bidder selects the interested tender by using search option & then moves it to the 'My Favorites Folder'.
 12. From the 'My Favorites Folder' he selects the tender to view all the details indicated.
 13. The Bidder should reads the terms & conditions and accepts the same to proceed further to submit the bid.
 14. The Bidder has to select the payment option as offline to pay the EMD and tender document cost as applicable.
 15. The details of the DD instrument / any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the bid submitted will not be acceptable.
- 15 (a).

1. EARNEST MONEY DEPOSIT	Rs.7,900/- (Rupees Seven Thousand Nine hundred only)
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MODE OF PAYMENT OF EMD	In the form of Demand Draft /pay order/ Bankers Cheque from Nationalized Bank/Scheduled Bank drawn in favour of 'The Chairman, Chennai Port Trust' payable at Chennai – 600 001.
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As per MSME Act, 2006 (or Erstwhile NSIC Registered parties), Central/State/PSUs will be exempted for submission of EMD, provided party is registered for the similar nature of works as in the tender / quotation. However, ChPT reserves the right for rejection of the tender if the certificate submitted by the tenderer is found unsatisfactory for exemption of EMD. Bidder of this quotation shall upload a

scanned copy as proof of EMD instrument in the Quotation Document – while submitting the quotation electronically in the e-procurement Portal. The original EMD instrument must reach the Chennai Port Trust, Chennai in corresponding address before opening of bid as per the date and time given in this quotation. Mere uploading proof of EMD instrument in the portal and non-submission of the original EMD instrument at the address given before the bid opening date and time will lead to disqualification of the bid by the bidder.

Original EMD instrument (DD/ pay order/ BC/ copy of exemption certificate) should be sealed in an envelope and reached to IIIrd Floor, Administrative office Building, Chennai Port Trust, No.1, Rajaji Salai, Chennai – 600 001. Clearly mention the Quotation No., Subject of the Quotation and Name of the Party on the Envelope on or before due date and time.

- 16 The Bidder has to enter the password of the DSC/e-token and the required bid documents have to be uploaded one by one as indicated.
- 17 The rates offered details have to be entered separately in a spread sheet file (xls format Price bid) in the space allotted and should be updated as BOQ.xls file for each tender / quotation. The BOQ file, if found modified by the bidder, his bid will be rejected.
 - 17.1 The item rate is to be indicated against each item of work/s.
 - 17.2 The rate will be applicable to the item against which the rate is quoted.
 - 17.3 The figures entered in the column notified as Rates will have automatic conversion to words in next column and thereafter the amount is calculated with multiplication of rate and quantity. This would be carried forward until end of BOQ and the total amount is calculated automatically and tenderer need not insert anything other than rate in figures and name of the firm.

- 17.4 The tendering system will give a successful bid updation message and then a bid summary will be shown with the bid no., the date and time of submission of the bid and all other relevant details. The bidder has to submit the relevant documents required as indicated in the cover content. In case of any irrelevant files, the bid will be rejected.
- 17.4 The bid summary has to be printed and kept as an acknowledgement as a token of the submission of the bid.
- 18 The bid summary will act as a proof of bid submission for a tender floated and will also act as an entry point to participate in the bid opening date.
- 19 For any clarifications with the Tender Inviting Authority (TIA), the bid number can be used as a reference.
- 20 Bidder should log into the site well in advance for bid submission so as to submit the bid in time (i.e.) on or before the bid submission time. If there is any delay, due to other issues, bidder only is responsible.
- 21 Each document to be uploaded online for the tenders should be less than 2 MB. If any document is more than 2 MB, it can be reduced by scanning at low resolution and the same can be uploaded. However, if the file size is less than 1 MB the transaction uploading time will be very fast.
- 22 The time settings fixed in the server side & displayed at the top of the tender site, will be valid for all actions of requesting, bid submission, bid opening, etc., in the e-procurement system. The bidder should follow this time during bid submission.
- 23 All the data being entered by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered will not viewable by unauthorized persons during bid submission & cannot be viewed by any one until the prescribed date & time of bid opening.
- 24 The confidentiality of the bid is maintained since the secured Socket Layer 128 bit encryption technology is used. Data storage encryption of sensitive fields is done
- 25 Any document that is uploaded to the server is subjected to symmetric encryption using a generated symmetric key. Further this key is subjected to asymmetric encryption using buyers public keys. Overall, the submitted tender documents become readable only after the tender opening by the authorized individual.
- 26 For any queries related to portal, the bidders are asked to contact by Mail cppp.nic@nic.in or by phone 1-800-233-7315 well in advance.

- 27 Tenderer is required to submit their quotation through online in the form of Single Cover System on or before schedule bid due date of closing and time as notified in NIQ. The quotation received after the due date and time will not be entertained.
- 28 Quotation Document can be submitted online only in the designated e-procurement portal eprocure.gov.in on or before the due date and time. The time of opening of technical bid will be as notified in the NIT.
- 30 Tenderer should submit the quotation as per specification of work, drawings and in accordance with the instructions to bidders, General Conditions of Contract.

II. The bid *shall contain the following:-*

1. Scanned Copy of two demand drafts towards EMD and Quotation document Cost.
2. Scanned copy of work order / agreement and completion certificate for similar works.
3. Scanned CA certified copy of Auditors balance sheet, P and L account Statement during last 3 years.
4. Quoted BOQ (.xls format)

The original Demand Draft /pay order/ Banker's Cheque towards EMD and Quotation document cost must reach Chennai Port Trust in corresponding address before opening of Bid as per the date and time given in this quotation.

Price Schedule (BOQ)

Price should be quoted in a spread sheet file (.xls format) available in e-procurement Portal only. Any indication of 'Quoted price' in the online bid documents shall lead to rejection of the bid outright.

For evaluation purpose the uploaded offer documents will be treated as authentic and final. No hard copy shall be submitted for reference purpose. The price bid submitted through e-procurement mode only will be taken up for the purpose for evaluation.

III. EVALUATION PROCESS:

- 1) A proposal shall be considered responsive if –
 - a. It is received by the proposed Due Date and Time.
 - b. It is Digitally Signed.
 - c. It contains the information and documents as required in the Quotation Document.
 - d. Contains EMD and cost of the quotation document (wherever applicable).
 - e. It contains information in formats specified in the Quotation Document.
 - f. It mentions the validity period as set out in the document.

- g. It provides the information in reasonable detail. The Port Trust reserves the right to determine whether the information has been provided in reasonable detail.
 - i. There are no significant inconsistencies between the proposal and the supporting documents.
 - j. The Technical and financial qualification conforms to as specified in the qualification criteria of General Rules and directions for the guidance of the Tenderer.
 - k. A Quotation that is substantially responsive in one that conforms to the preceding requirements without material deviation or reservation. A material deviation or reservation is one (1) which affects in any substantial way, the scope, quality, or performance of the Tenderer or (2) which limits in any substantial way, inconsistent with the Quotation document, or (3) whose rectification would affect unfairly the competitive position of other Qualified Applicant presenting substantially responsive bids.
 - l. The Port Trust reserves the right to reject any tender which in its opinion is non-responsive and no request for alteration, modification, substitution or withdrawal shall be entertained by the Port Trust in respect of such Tenders.
 - m. The Port Trust would have the right to review the Technical & Financial Qualification and seek clarifications wherever necessary.
- 2) Since the quotation involves selection based on qualification criteria, the Chief Engineer will examine and seek clarification if any and list out the firms, which are found technically suitable and accepted the same for ranking for awarding of contract and EMD will be returned to the disqualified tenderers.
- a. Tenderers should obtain temporary pass from the Port Asst. Traffic Manager (Central Pass Section) near Anchor Gate Hospital or from the SE(MDO), 3rd Floor, Administrative Office Building, Chennai Port Trust, Rajaji Salai, Chennai – 600 001 to gain entry into the Trust's premises if necessary.
 - b. The **Fax/E-Mail offers will be treated as defective, invalid and rejected.** Only detailed complete offers received through online prior to closing time and date of the tenders will be taken as valid.

**CHIEF ENGINEER
CHENNAI PORT TRUST**

CHENNAI PORT TRUST

CIVIL ENGINEERING DEPARTMENT

Quotation for Reconstruction of compound wall and removing of damaged/wornout chainlink fencing with new one around transformer at Sub-station in T.H Colony.

SCHEDULE - A

GENERAL RULES AND DIRECTIONS FOR GUIDANCE

1. Deadline for submission of Quotation:

- 1.1 Online tenders through e-procurement mode are invited by Chennai Port Trust from reputed Contractors for executing the work of “Quotation for Reconstruction of compound wall and removing of damaged/wornout chainlink fencing with new one around transformer at Sub-station in T.H Colony.” under single cover system. The estimated cost put to Quotation is Rs.3,94,967/-
- 1.2 The Quotation document through **e-procurement mode** is open from **20.04.2017 to 03.05.2017** can be downloaded from the Ch.P.T official website and through e-procurement portal link.
- 1.3 One set of Quotation document consists Schedule A – GENERAL RULES AND DIRECTIONS FOR GUIDANCE, Schedule B & C for conditions of Contract including drawings and Bill of Quantities
- 1.4 The complete Quotation document including drawing can be downloaded from Chennai Port Trust website: www.chennaiport.gov.in and e-procurement portal link and submit as Quotation offer on or before the due date and time of submission. They shall have to pay **Rs.525/-inclusive of VAT (Rupees Five Hundred and twenty five only)**, towards the cost of Quotation in the form of DD instrument. The tenderer shall upload the scanned copy of the DD instrument towards the cost of Quotation set as proof of payment in the Quotation document - while submitting the Quotation electronically in the **e-procurement** Portal. The DD instrument in original shall be forwarded along with EMD to reach ChPT before opening the technical bid. Mere uploading of proof of DD towards cost in the **e-procurement portal** and non submission in original to Ch.P.T may lead to technical disqualification of bids.

2. Quotation Prices

- 2.1** Unless stated otherwise in the Quotation documents, the contract shall be for the whole works as described in NIQ based on the unit rates and prices quoted by the tenderer in Bill of quantities.
- 2.2** Items against which no rate or price is entered by the tenderer will not be paid for and when executed, such items, shall be deemed to have been covered by the other rates and prices in the Bill of quantities. In case, the tenderer not accepted to carryout the items for which rates not-quoted within the quoted price, the offer submitted by the firm will be treated as rejected and the EMD amount paid by the tenderer will be forfeited.
- 2.3** The amount quoted by the tenderer in the Bill of quantities shall allow for all costs including labour, materials, equipment, transport charges, tests, etc. payable.

3. Validity of Quotation

Quotation shall remain valid for a period of **60 days** from the last date of online submission of offer.

4. Eligible Tenderers

The Bids are invited from the bidders who fulfill the eligibility criteria furnished hereunder:

- (i) Should have successfully completed “similar works” during the last 7 years. (As on 31.03.2017)
- a) Three similar completed works each costing not less than 40% of the present estimated cost i.e. Rs.1.58 lakhs (or)
- b) Two similar completed works each costing not less than 50% of the present estimated cost i.e. Rs.1..97 lakhs (or)
- c) One similar completed work costing not less than 80% of the present estimated cost i.e. Rs.3.16 lakhs and
- (ii) Average annual turnover during the last 3 years (as on 31st March 2016) should be at least 30% of the present estimate cost. ie., Rs.1.18 lakhs.

Documentary proof such as work order and completion certificate for experience and audited balance sheet, profit & loss account statement for annual turnover for meeting all the eligibility criteria shall be enclosed with the tender in original or copies. If the bidder has executed the work for private firms or as a sub contract, the TDS certificate for the particular year along with above mentioned documents shall be submitted. The successful bidder should produce original documents for verification by the Chief Engineer or his representative at the stage of Evaluation or as and when required before finalising the tender. The bids of those firms who do not meet the eligibility criteria shall be treated as invalid and summarily be rejected:

“Similar Works” means “**Any civil engineering work**”.

- 4.1 The quotations of those bidders who satisfy the eligibility criteria set forth in the NIT and Quotation Documents only will be considered for ranking for awarding the contract.
- 4.2 To assist in the examination and comparison of the Quotations, the Chief Engineer may, at his discretion, ask any bidder for clarification / shortfall of document for evaluation purpose, if necessary.
5. **Earnest Money Deposit (EMD)**
 - 5.1 The EMD of **Rs.7,900/- (Rupees Seven Thousand Nine hundred only)** shall be paid as described in the succeeding clause.
 - 5.2 The EMD shall be submitted only single instrument in the form of Demand Draft/ pay order/Bankers Cheque from any Nationalized Bank/ Schedule bank drawn in favour of ‘**The Chairman, Chennai Port Trust**’ payable at Chennai-600001 shall be accepted.
 - 5.3 The tenderer who is exempted for payment of EMD from NSIC shall submit a copy of Exemption Certificate and upload a scanned copy.
 - 5.4 The proof of EMD shall be uploaded as a scanned copy of the instrument through **e-procurement mode** under the Tender Document – Technical Bid while submitting tender electronically in the e-procurement portal. The original EMD must reach Chennai Port Trust in corresponding address before opening of Technical Bid as per the date and time given in this Quotation. Mere uploading of EMD document in the portal and non-submission of the original EMD at the address given below before the Technical Bid opening date & time

will lead to technical bid opening disqualification of the bid by the bidder:-

Chief Engineer,
No.1,Rajaji salai,
3rd Floor, Administrative office building
Chennai Port Trust,
Chennai – 600 001.

The original EMD instrument (DD/BC/ Copy of Exemption Certificate should be sealed in an envelope) can also be dropped in the Quotation Box kept at the above address.

5.5 The Quotation offer shall have to be submitted by the tenderer only through **e-procurement mode** as explained in the Quotation Document.

6. Opening of Quotation

The due date of opening of offers will be **04.05.2017 at 15.30 hrs**, unless otherwise notified. In the event of changes in the schedules, the Chief Engineer, Chennai Port Trust notifies the same only through www.chennaiport.gov.in and e-procurement portal link.

7. Refund of EMD

7.1 EMD for unsuccessful Tenderers will be refunded after finalisation of award of contract to the successful Tenderer. The stamped receipt for refund of EMD should be submitted by the tenderer after the opening of offers.

7.2 The EMD of the successful tenderer will be refunded only after the remittance of security deposit in any manner as defined in clause 8 of Special Conditions of tender. Alternatively, the successful tenderer shall when his quotation is accepted, furnish security as specified in the clause 8 of Special conditions after giving credit to the amount deposited by him as earnest money. The earnest money shall retain its character, as such, till the successful tenderer furnishes the security deposit. To claim exemption from payment of SD, the waiver of SD to the prescribed limit will be applicable with respect to the monetary limit furnished in NSIC certificate.

8. The Employer/Board do not bind themselves to accept the lowest or any Quotation and reserve the right to accept any Quotation in part or to reject any Quotation without assigning any reason there for.

9. The prospective Tenderer shall submit queries if any through e-tendering portal addressed to the Chief Engineer, Chennai Port Trust, Chennai in connection with this Quotation well in advance, so that

the queries can be clarified. The bidders queries will be clarified through e-procurement portal.

- 10 If the offers are not received according to the instructions detailed here above, they shall be liable for rejection.

**CHIEF ENGINEER
CHENNAI PORT TRUST**

CHENNAI PORT TRUST
CIVIL ENGINEERING DEPARTMENT

Quotation for Reconstruction of compound wall and removing of damaged/wornout chainlink fencing with new one around transformer at Sub-station in T.H Colony.

SCHEDULE 'B'

SPECIAL CONDITIONS

1. The work shall be completed within **3 months** from the seventh day of placing the order (or) the actual date of starting the work whichever is earlier.

2. CEMENT REQUIRED FOR THE WORK.

2.1 The contractor shall procure 43 Grade (conforming to IS 8112) or 53 grade (conforming to IS 12269) Ordinary Portland cement or any other special grade/quality of cement as required for the work, from reputed manufacturers of cement such as Ultra tech, Birla, ACC, India Cements, Madras Cements, Chettinadu Cements, Dalmia Cements, Zuari Cements, Penna Cements or any other equivalent brands as approved by the Engineer.

In case of non-availability of Ordinary Portland cement, Portland pozzolana cement conforming to IS 1489 shall be used with suitable admixtures to attain the required strength.

2.2 Supply of cement shall be made in 50-Kg bags bearing manufacturer's name and BIS marking. Every consignment of cement shall be accompanied with the manufacturer's test certificate with the following specific information / details:

i. The complete test results conducted for the specifications mentioned in the contract.

ii. Reference to the supplies made on the strength of the test certificate sent to the Trust.

iii. The competent officer of the supplier should authenticate all the entries made in the test certificate.

The test certificate can be either original or Xerox copy duly authenticated by a responsible official of the supplier will be the basis for acceptance of the materials in addition ,if directed by the Engineer or his representative , the contractor shall submit the original bill / invoices for verification.

- 2.3 If so desired or if the cement so supplied are not accompanied with such test certificates, samples of cement procured by the contractor shall be taken by the Engineer's representative and got tested in accordance with provisions of relevant BIS codes. In case, test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time from the date of written order from the Engineer or his representative to do so.
- 2.4 The cement shed with a capacity to store a minimum of 200 bags of cement or as decided by the Engineer or his representative shall be constructed by the contractor at the site of work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with Engineer's representative and the key of the other lock shall remain with the contractor. The contractor shall be responsible for the watch & ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer or his representative at any time. Thatched shed shall not be permitted.
- 2.5 If the consignment is not accompanied by the manufacturer's test certificate or any additional test is ordered by the Engineer's representative at random, the contractor shall supply free of charge the cement required for testing. The cost of tests shall be borne by the contractor/department in the manner such indicated below:
 - i. By the contractor, if the results show that the cement does not conform to relevant BIS codes or the cement supplied by them is not accompanied with manufacturer test certificate leading to testing of cement at site.
 - ii. By the Department, if the retest results carried out at site show that the cement conforms to relevant BIS codes.
- 2.6. The requirements of cement shall be calculated on the basis of the standard formula for consumption of cement as laid down by the Engineer or his representative and over this theoretical quantity, the variation allowed shall be plus or minus 2% only.
- 2.7. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained. The theoretical

consumption of cement shall be worked out on the standard formula as laid down by the Engineer or his representative. Over this theoretical quantity shall be allowed a variation of minus 2%. In the event of it being discovered that the quantity of cement used is less than the quantity ascertained as hereinbefore provided (allowing variation on the minus side as stipulated above), the cost of quantity of cement not so used shall be recovered from the contractor at the local market rate prevailed during that time.

- 2.8 Cement brought to site and cement remaining unused after completion of work shall not be removed from the site without the written permission of the Engineer or his representative.
- 2.9 A Copy of the manufacturer's test certificate showing conformity of the particular consignment to BIS Specifications in addition to the invoice and bills shall be submitted by the contractor for the supply of Cement.
- 2.10 The contractor should maintain a register showing the receipt and daily usage of cement and other materials and get the register checked by the departmental officer daily.

3. STEEL REQUIRED FOR THE WORK.

- 3.1 The contractor shall procure steel reinforcement TMT bars conforming to IS 1786-2008/IS 432(PART I)-1982 code from producers such as SAIL, VSP, TISCO and also from firms having the ISI mark as approved by the Engineer's representative in respect of all supplies of steel brought by him to the site of work..
- 3.2 The steel reinforcement shall be brought to site in bulk consignment of required quantity or as decided by the Engineer's representative. Every consignment of steel shall be accompanied by the manufacturer's test certificate with the required details. The test certificate can be either original or Photo copy duly authenticated by a responsible official of the supplier.
- 3.3 The steel reinforcement shall be stored by the contractor at the site of work in such away as to prevent any distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.

3.4 The contractor shall supply free of charge, the steel required for testing and the cost of tests shall be borne by the contractor / department in the manner indicate below:

i) By the contractor, if the results show that the steel does not conform to the relevant BIS code or if the steel supplied by them are not accompanied with manufacturer's test certificate leading to testing of steel at site.

By the department, if the retest results carried out at site show that the steel conforms to relevant BIS code

3.5 The actual consumption of steel on work shall be regulated and proper accounts maintained. The theoretical consumption of steel shall be worked out as per procedure prescribed below:

Theoretical quantity of steel shall be taken, as the quantity required as per design or as authorised by the Engineer including authorised Lappages. The cost of the quantity of steel actually consumed in excess of this theoretical requirement (including the permissible variation) will be borne by the contractor and no payment will be made for this.

4. SUPPLY OF DRINKING WATER AT THE SITE OF WORK:

The Contractor shall make his own arrangements.

5. SUPPLY OF WATER FOR THE WORK:

No water is involved in this work.

6. Electricity Supply for Works:

No electric supply is required for this work.

7. MISCELLANEOUS CONDITIONS:

(a) The Chief Engineer shall have the right to omit at his discretion one or more items of work when placing the order.

(b) The quantities indicated in the schedule are only approximate and can be increased or decreased at the discretion of the Chief Engineer.

However, the consequent variation in the Total Contract Value will be limited to 20%. The rates quoted shall be firm for such variation. In case the variation results in the total contract value exceeding the prescribed percentage revision of rates, if any, shall be applicable only for that portion of the contract carried out in excess of the permissible percentage.

8. SECURITY DEPOSIT:

The Contractor shall deposit an amount at 5% of the estimated value of Schedule-A and 10% of the estimated credit value of Schedule-B (or) 5% of the quoted value of Schedule-A and 10% of the quoted credit value of Schedule-B by the successful tenderer whichever is higher of the accepted quotation towards security for the due fulfillment of the conditions of the contract. The tenderer shall pay the Security Deposit in the form of Demand Draft/ Bankers' Cheque drawn on any Scheduled Bank/ Nationalized Bank, payable at Chennai as Initial Security for the due fulfillment of the conditions of the contract, within 7 days of placing the order failing which the order shall be cancelled and other arrangements made for executing the work. In addition to the Initial Security 5% shall be recovered from the successive part bills to fulfill the contract. The Security Deposit shall not bear any interest and the Security Deposit shall be forfeited in whole or part at the discretion of the Chief Engineer, if in his opinion the contractor has failed to fulfill any of the conditions of the above contract. The Security Deposit shall be refunded to the contractor along with the bill after the work is completed satisfactorily and certified by the Chief Engineer to that effect.

9. The Contractor should produce Xerox copy of the photo identity card in the form of ration card or voter's list for the Contractor and workers engaged by him to issue Harbour entry pass. The Harbour entry pass can be used along with the Xerox copy of the photo identity issued by Government Authority.

10. The Workers should be in position to produce the Harbour entry pass issued by the trust along with the photo identity card for verification purpose during the work at the port. Also the workers shall not indulge in any other undesirable / objectionable activities like pilferage or stealing the materials from the Port, for which act, the contractor only will be held responsible and the work undertaken by the Contractor will be terminated with immediate effect.

11. The list of persons engaged by the contractor with detailed addresses should be furnished to the Chief Engineer's representative / Executive Engineer concerned and the same will be forwarded to the police station concerned for verification of character and antecedents.

12. Compensation for delay:

If the contractor fails to complete the work in all respects within the time specified or within the extended time that may be allowed by the Engineer, the contractor shall pay or allow to the Board a sum of contract as liquidated and ascertained damages and not by way of penalty, for every day/week or part thereof beyond the said period or extended period as the case may be during which the work shall remain unfinished. Such damages will be deducted from any Amount payable to or to be payable to the contractor including encashment of Bank Guarantee or any Securities/ Guarantees, if any available with the Port Trust. The maximum Amount of Liquidated Damages will be worked out based on the Total Contract value inclusive of all Taxes and Duties thereon.

In case of part / portions of the contract work/ Supply order completed and taken possession by the Trust and the Trust operates/ can be made for operation of the part portion/ supply order, the calculation of Liquidated damages will be restricted to the uncompleted/ undelivered value of the work/ supply order subject to the amount of the maximum percentage prescribed for the Liquidated Damages/ Late Delivery charges of the total value of the contract/supply.

The Liquidated Damages/ Late Delivery charges will be worked out as follows;

i).The Liquidated Damages/ Late Delivery charges whose period of contract / delivery is above four weeks, Liquidated Damages/ Late Delivery charges will be ½% (half percent) per week or part thereof of the total value of the contract subject to a maximum of 5% of the total value of contract.

The payment of such damages does not relieve the contractor of his obligations to complete the works or from any other of his obligations or liabilities under this contract.

CHIEFENGINEER
CHENNAI PORT TRUST

CHENNAI PORT TRUST
CIVIL ENGINEERING DEPARTMENT

Quotation for Reconstruction of compound wall and removing of damaged/wornout chainlink fencing with new one around transformer at Sub-station in T.H Colony.

SCHEDULE 'C'

GENERAL CONDITIONS

1. No materials will be supplied free by the Trust and it is the responsibility of the contractor to procure and supply all the materials required for the work at their cost.
2. If any materials issued to the contractor by the Trust for the use on the work is lost or damaged, the cost thereof at the prevailing market rate or at the Trust's issue rate whichever is higher plus 20% storage charges in either case will be recovered from any money due or that may become due to the contractor.
3. The quantities given in the schedule of quantities are those upon which the approximate estimated cost of the work is based but they are subject to alterations, omissions, deductions and additions and do not necessarily show the actual quantities of the work to be done.
4. The specification of all other materials shall be as per the Civil Engineering Works Manual of Chennai Port Trust with latest amendments unless otherwise specified and/or relevant Indian Standard specifications as applicable. All BIS specification referred to in this schedule shall be the latest version.
5. The work is to be carried out with due diligence and executed to a workman like manner. The material used when supplied by the contractor is to be of the best of its kind and in all cases to be subject to the approval of the Chief Engineer whose decision to the rate of progress the quality of the work or materials, sizes etc., is final
6. The Chief Engineer may cancel the contract at his option at any time without notice for any reason including poor progress of work and may remove bad work or materials and have it replaced deducting the value of the work rejected or materials removed and the cost of replacing it as he may think proper from any amount due or that may become due to the contract. The decision of the Chief Engineer is final and will be binding on the contractor.
7. In case the contractor leaves the work incomplete the Chief Engineer shall have the right to have the work completed through any other agency and

recover the extra expenditure incurred by the Trust in so doing from any money due or to become due to the contractor.

8. The Contractor shall conform and comply with the regulations and by-Laws of the Chennai Port Trust Board and of all other local authorities such as the Corporation of Chennai. The Chief Electrical Inspector to Government of Tamilnadu, the Tamilnadu Electricity system, the Factories Act, the Government Customs and Police Department, etc The contractor shall conform to rules, regulations, etc. concerning injury to workman compensation for injury to workmen, Insurance for workman etc. The Contractor shall also conform to contract labour (Regulations and Abolition) Central Rule 1971 etc.
9. The Contractor shall be responsible for any accident, damage for injury caused to any his employees or property or any person or property in course of the work and shall hold the Port Trust blameless in respect thereof any also in respect of any claim made by any person or any reasons whatsoever.
10. The contractor shall be solely responsible for reporting to the Board and Police Department immediately of any serious or fatal accident inside the Trust's premises to any of his employees/workmen engaged by him or any persons involved in an accident at site of work.
11. The work shall be carried out without causing any inconvenience to the Trust and to other works in progress in the neighborhood and any losses to the Trust.
12. Only vehicles licensed by the Board will be allowed inside the Port premises.
Admission into the Harbour is regulated by issue of passes for the contractor and his staff. Entry passes will be issued free of cost to the contractor. The contractor is solely responsible for all the details incorporated in the passes; the Trust is indemnified against their misuse.
The entry passes shall be produced at the time of entry and any other time when demanded by the CISF personnel or department officials.
Further, in the event of loss of entry passes or identity card issued to the contractor or their labour, Rs.20/- will be imposed as penalty in each case.
Engineering Department shall recommend the contractor/ firms to register with the pass section. Applicants should apply in the prescribed format to get a code number for the firm from the Pass section and should produce authorized signature of two persons per firm who will sign the pass application. Any changes in the Authorized signatories, both of the firm's officials should be intimated to pass section immediately.
Provision for individual and vehicle Harbour Entry Permits are alone available in the Pass Section Module and not for the Materials.
As per ISPS requirements all the Port users should submit antecedent verification / police verification or Pass port copy of their employees /

contract workers, since it is a pre- requisite for issuing all Port Entry passes.

13. Only vehicles licensed by the Board will be allowed to ply inside the harbour. Private carts of any kind are not permitted within the harbour area.
14. The work shall be carried out only during Trust's working days between 7-30 A.M. and 5-00 P.M.
15. The quantities of work executed will be measured and payment made once a month generally except in the case of work for which the time for completion is specified as six weeks or less than six weeks in which case payment will be made once only on satisfactory completion of the work.
16. It shall be clearly understood that the rates mentioned in the schedules are inclusive of everything required to be done for the proper completion of the work according to the specifications drawings, general conditions and special conditions even though specific mention thereof has been omitted in the specification and drawings.
17. Measurements recorded by the person authorized by the Chief Engineer to make them will be accepted by the contractor who will be given the opportunity of witnessing the measurements taken.
18. All payments made by the Trust to the contractor for the work shall be rounded off to the nearest rupee.
19. The work shall be completed within **3 months** from the 7th day of placing the order or actual date of starting the work whichever is earlier.
20. If the progress of work is held up owing to circumstances which in the opinion of the Chief Engineer are beyond the control of the Contractor, Such as War, stormy weather and other reasonable causes, the Chief Engineer may at his discretion, grant to the Contractor such extension of time as he considers reasonable for the completion of the work. The grant of such extension of time will not bestow on them any claim for compensation or extra payment at a future date whatsoever.

CHIEF ENGINEER
CHENNAI PORT TRUST

CHENNAI PORT TRUST
CIVIL ENGINEERING DEPARTMENT
ANNEXURE I

The clauses related to Implementation of ESI Act, 1948 is furnished below:

- (a) As per the Govt Notification dt 20.7.09, 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 compliance of the ESI Regulation.
 - 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 the 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 are 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/- 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/-

Cess

Payment of Cess in Tamilnadu Construction Workers Welfare Board towards Building Or other construction works undertaken by the Port

Tamil Nadu Construction Workers Welfare Board has raised the demand to remit the Cess at 1% of the total estimate cost of the building or other construction works undertaken by Chennai Port Trust towards the benefit of the manual workers in the employment in construction or maintenance of dam, bridges, roads or in any building operations.

Based on the above, Board's approval has been obtained vide BR No.122, Dated 21.08.15 for the following:

- 1) Consider the payment of cess to TNCWWB at 1% of the building or Other construction works undertaken by Chennai Port Trust as per the provisions of the Tamil Nadu Manual Works (Regulation of employment and conditions of work) Act, 1982 and

Tamil Nadu Manual Workers (construction Workers) Welfare Schemes, 1994 and G.O. (MS) No.295, Dt 17.12.2013:of Labour and Employment(12)Department

2) Effect the payment of cess to TNCWWB prospectively for the works for which 'NIT' issued after the date of approval for the subject proposal;

3) Add the component to that effect in the estimate proposed for the building or other construction works (involving civil Engineering Contractors) at the rate of 1% in each item at the end of analysis of rate after adding water charges and contractor's profit and overhead charges for civil works involving building and other constructions works only. In case, no such provision is made in the estimate and value put to tender the 1% cess will be borne by CHPT and contribution will be made directly to TNCWWB.

4) Recover @ 1% of the billed amount progressively from each running bill as well as the final bill of the contractor for the works which are covered under Cess act and remit/deposit the same to TNCWWB through the Finance Department, and wherever, such provision is not available in estimate or tendered amount of ongoing contract, the 1% cess will be borne by the Trust.

In this regard, hitherto the following procedure shall be adopted:

1. A provision, for Tamil Nadu Construction Workers Welfare Cess @ 1% in each item at the end of analysis of rate after adding water charges and contractor's profit and overhead charges shall be added in the estimate prepared for civil works involving building and other constructions works

2. A recovery @ 1% of the billed amount shall be effected progressively from each running bill as well as the final bill of the contractor for the works which are covered under cess act and remit/deposit the same to TNCWWB through the Finance Department.

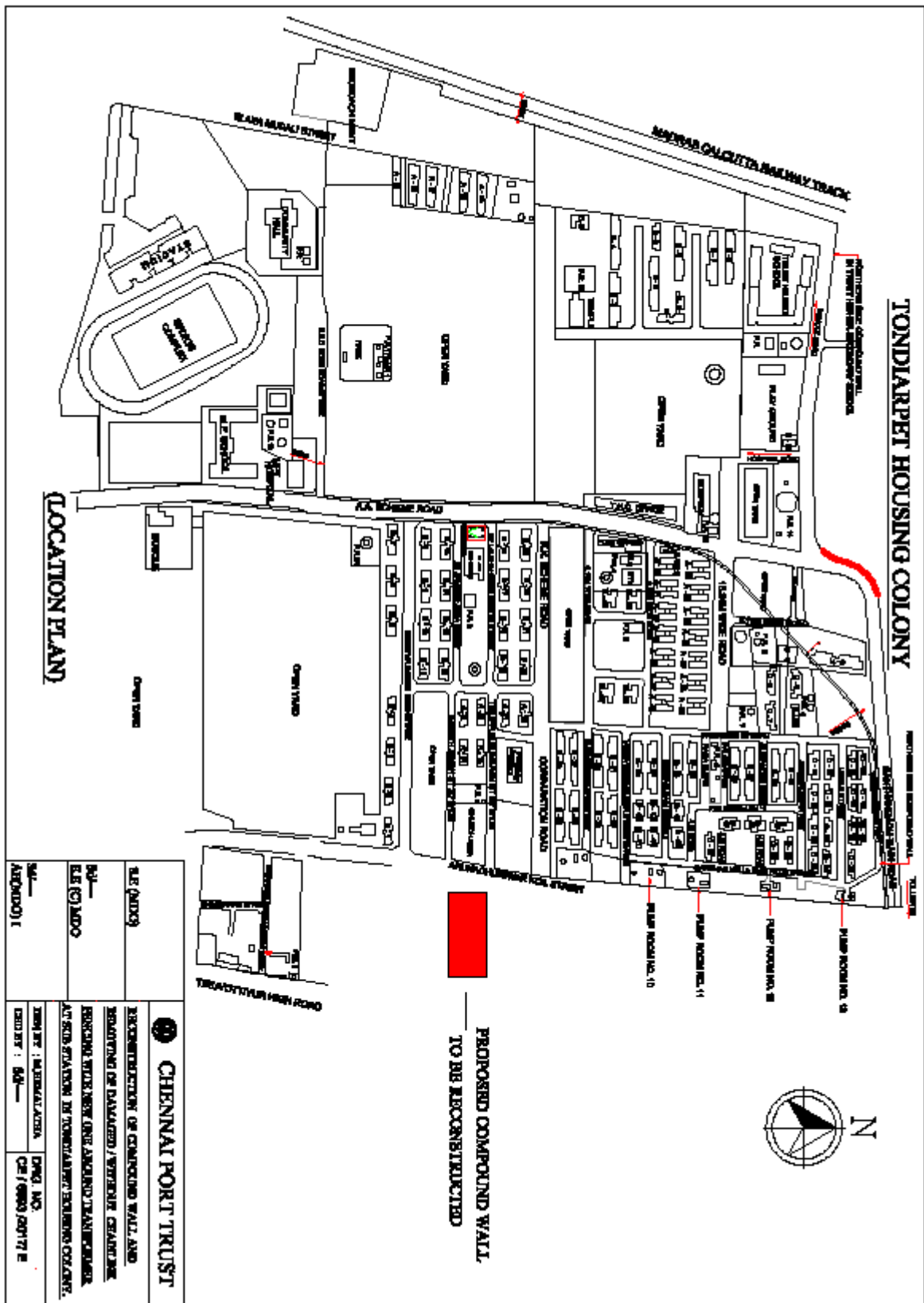
3. In the case of ongoing contract for building or other construction works which have been amended on or after Board's resolution, where no provision has been made towards recovery of Tamil Nadu Construction Workers Welfare Cess @ 1%, Chennai Port Trust will borne the contribution towards Cess @ 1% of the billed amount progressively from each running bill as well as the final bill of the contractor for the works which are covered under Cess act and remit/deposit the same to Tamil Nadu Construction Workers Welfare Board.

EPF :

As far as EPF is concerned, it shall be the duty of the Contractor to get EPF code number allotted by RPFC against which the EPF

subscription, deducted from the payment of the personnel engaged and equal employer's amount of contribution should be deposited with the respective EPF authorities within 7 days of close of every month. Giving particulars of remittance of EPF contribution of the employees engaged for the EMPLOYER work, is required to be submitted to the EMPLOYER. In any eventuality, if the contractor failed to remit employee/ employer's contribution towards EPF subscription etc. within the stipulated time, EMPLOYER is entitled to recover the equal amount from any money due to the extent from the next bill, or accrue to the Contractor under this agreement/or by any means, with an advice to RPFCL, duly furnishing particulars of personnel engaged for the EMPLOYER. **Any payment towards the work order will be made only after compliance of the EPF Regulation.**

**CHIEF ENGINEER
CHENNAI PORT TRUST**



(LOCATION PLAN)

S/E (GUIDE) S/E (C) MDO S/E (M) MDO S/E (A) MDO	CHENNAI PORT TRUST RECONSTRUCTION OF CONCRETE WALL AND REPAIRING OF DAMAGED / WOODEN CHAIRS AND FENCING WITH NEW ONE AND PROVIDE TRANSPARENT AT EACH STATION IN TONDIAPET HOUSING COLONY.	DRAWN BY : MAHARAJAN	DRAWN NO. : CE / 6800 / 2017 / E
		SCALE : AS SHOWN	DATE : 15/07/2017

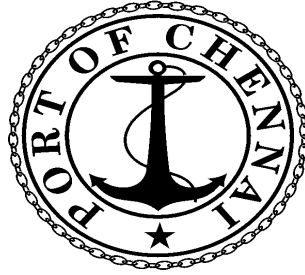
PROPOSED COMPOUND WALL
 TO BE RECONSTRUCTED

Preamble to the Bill of Quantities

GENERAL NOTES :

1. The tenderer is advised to '**inspect the site**' before quoting the rates.
2. The rates quoted by the tenderer should be inclusive of all taxes, levies, duties and other charges etc.,
3. Sales Tax on works contract will not be paid, even if it is levied by the state Government at a later date.
4. Value Added Tax (VAT) at the rate of 2% of contract value will be recovered from the works bills and remitted to the Government of Tamilnadu as per the Tamilnadu Government VAT provision. Necessary certificate towards such deduction at source will be issued by the Trust's Accounts Department.
5. The contract period is **3 months**. The work will be carried out in all working days excluding Sundays, holidays and Trust Closed Holidays.
6. The tenderer shall carry out the work as per day to day instruction of the Chief Engineer or his representatives at site.
7. The work is to be carried out with out any hindrance to the occupants and normal working conditions of that area.
8. For materials used on the work shall be of approved quality and as directed by the Chief Engineer or his representatives. The contractor shall get the approval of the materials before using them on the works.
9. Any spillage of paint or any other unwanted materials on floors etc. shall be cleaned properly without claiming any extra cost.
10. For specification of materials and work, Chennai port Trust manual vol I & II and its amended version are to be followed.
11. The contractor shall carryout the works in any other quarters within the Tondiarpet Housing colony if ordered by the Chief Engineer or his representatives without claiming any extra cost.
12. While working at heights the contractor shall use non - skid type safety ladders with adequate strength and the contractor shall provide necessary helpers for all the works which are carried out at heights.

13. For further details the tenderer may contact the Trust Executive Engineer (C)H / Assistant Executive Engineer during office hours. Tel. No.044 25912168.



CHENNAI PORT TRUST
No. 1 RAJAJI SALAI
CHENNAI - 600001

CIVIL ENGINEERING DEPARTMENT

Quotation for Reconstruction of compound wall and removing of damaged/wornout chainlink fencing with new one around transformer at Sub-station in T.H Colony.

QUOTATION NOTICE NO.Q/WMA7/320/2017/E

THROUGH E-PROCUREMENT MODE

BILL OF QUANTITIES

Due Date of online submission	: 15.00 Hrs. on	03.05.2017
Due Date & Time of bid opening	: 15.30 Hrs. on	04.05.2017

**CHENNAI PORT TRUST
Item Rate BOQ**

(Price should be quoted in a spread sheet file (.xls format) available in e-procurement Portal)

Tender Inviting Authority : CHIEF ENGINEER, Chennai Port Trust

Nature of work: Quotation for Reconstruction of compound wall and removing of damaged/wornout chainlink fencing with new one around transformer at Substation in T.H Colony

Quotation No: Q / WMA7 /000320/ 2017 /E

**Bidder
Name :**

PRICE SCHEDULE

(This BoQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Sl. No.	Item Description	Quantity	Unit	Basic RATE In Figures To be entered by the Bidder Rs. P	Total Amount	Total AMOUNT in Words
1.00	Schedule 'A1' Dismantling the existing damaged brick work in cement mortar in compound wall and wherever required without damaging the structures nearby including collecting and depositing the debris within a lead of	20 M³	1M³ (One Cubic Metre)			

	50m for disposal all as directed at site of work including all labour, tools, equipments, transport, fuel, scaffolding, etc., complete.				
2.00	Dismantling and removing the existing damaged chain link fencing carefully without damaging the nearby structures and stacking the same within a lead of 100m including rolling, transporting the dismantled materials and as directed at site of work including all labour, tools, equipments, scaffolding, transport, fuel, etc., complete	120 M²	1M ² (One square Metre)		
3.00	Dismantling the existing damaged RCC fencing post without damaging the super structures nearby, removing the steel from the post /precast slab including collecting, and depositing the debris within a lead of 50m for disposal, all as directed including all labour, tools, tackles, equipments, etc. complete.	1 M³	1M ³ (One Cubic Metre)		

4.00	<p>Earth work excavation in ordinary soil, sand, clay mixed with roots, boulders weighing individually less than 250 Kg, debris, rubbish etc., as existing at site of work for all foundations and other such works including dressing of sides ramming of bottom all as per relevant specification, and as directed, stacking the excavated earth within a lead of 50 m for transportation/ refilling including shoring, strutting, including all labour, tools, tackles, equipments, fuel etc., complete.</p>	2 M ³	1M ³ (One Cubic Metre)	
5.00	<p>Providing and laying Plain cement concrete of mix 1:2:4 in volumetric proportion (1Cement: 2 Clean Coarse river sand: 4 hard granite stone metal of 20mm nominal size) for leveling course in foundations etc. and wherever required including mixing, transporting, placing, ramming, consolidating, curing,</p>	2 M ³	1M ³ (One Cubic Metre)	

	shuttering, etc., all as per relevant specifications, and as directed including cement and other materials, labour, tools, plants, equipment, fuel etc., complete.				
6.00	Casting and conveying of RCC precast fencing post of size 120x120mm, 2.40m height with suitable number of holes for fixing the barbed wires with necessary shuttering using cement concrete 1:2:4 (1Cement: 2 Clean Coarse river sand: 4 hard granite stone metal of 12mm nominal size) in volumetric proportions as directed at site, including mixing, transporting, placing, consolidating, curing etc., including neat cement punning all as directed at site of work and conveying the fencing post to the location including cement and all other materials, labour, tools, equipments, fuel, scaffolding etc., complete.	2 M³	1M ³ (One Cubic Metre)		
7.00	Supplying, transporting, fabricating and placing in	400Kg	1 Kg (One Kilo)		

	<p>position HYSD (Fe 415/500 grade) steel bars as reinforcements for all RCC works wherever required including handling, cutting, bending and tying them in position with 1.25mm dia black annealed steel binding wire, etc., all as directed including reinforcement steel, binding wire and other materials, labour, tools, equipments, scaffolding, etc., complete.</p>		Gram)		
8.00	<p>Fixing the RCC precast fencing post in correct and required alignment and position in the PCC pockets provided as directed at site including all labour, conveying, lifting, placing, scaffolding, equipments etc., complete.</p>	50Nos	1No (One number)		
9.00	<p>Providing Half brick work using approved quality bricks of class designation 50 in cement mortar 1:4 (1 Cement: 4 Coarse river sand) for compound wall super structure and wherever necessary, as directed at site of work,</p>	75M²	1M ² (One square Metre)		

	including cement, scaffolding, labour, materials, tools, curing, etc., complete.					
10.00	Brick work using good and approved quality bricks of class designation 50 in cement mortar 1:5 (1 Cement: 5 Coarse river sand) for super structure and wherever required including scaffolding, curing, including cement and other materials, labour, tools, plants, equipments, fuel, etc. complete.	5M³	1M ³ (One Cubic Metre)			
11.00	Preparing the surfaces of walls and plastering in cement mortar 1:5 (1 cement : 5 clean fine river sand), 12mm thick , wherever required to the required finish, curing, all as directed including cement and other materials, labour, tools, equipments, scaffolding, etc., complete.	200M²	1M ² (One square Metre)			
12.00	Supplying, stretching and fixing PVC coated G.I chain link fencing made out of G.I wire of dia 3mm,	130M²	1M ² (One square Metre)			

	<p>PVC coated to achieve outer dia not less than 5mm fabric fencing of required width in mesh size 50x50mm including strengthening with 2mm dia wire tying to the fencing post with the same PVC coated G.I wires of 4mm overall thickness all as directed at site of work including all labour, materials, tools, equipments, scaffolding, transport, fuel etc., complete.</p>				
13.00	<p>Preparing the surfaces of new compound wall and applying two coats of colour wash using water proof cement paint or equivalent over one coat of whitewash with lovelycem to give an even shade all as directed at site of work including all labour, scaffolding, materials, tools, equipments, brushes, etc. complete.</p>	200M²	1M ² (One square Metre)		
14.00	<p>Loading, transporting, dumping and leveling the Debris in the low lying areas</p>	25M³	1M ³ (One Cubic Metre)		

nearer to the site of work **within a lead of 2km** all as per relevant specifications and as directed including all labour, transport, tools, equipments, fuel, etc., complete.

Note: 1. The tenderer shall maintain trip sheets in triplicate in Trust's approved format at his own cost for the quantity of debris transported.
2. Payment will be based on the lorry cubical content. No deduction of voids for debris will be made.

1.00

Schedule 'A2'
Stacking the removed steel reinforcement from the Fencing post and taking away the reinforcement material by the contractor (Credit value) and as directed at site including all labour tools, tackles, equipments, transport, fuel, etc complete.

25Kg

1 Kg
(one kilo gram)

2.00

Stacking the removed chain link fencing and taking away the chain link fencing by the contractor (Credit value) and as

50 kg

1 Kg
(one kilo gram)

directed at site including all labour tools, tackles, equipments, transport, fuel, etc complete.

Total in Figures (Schedule 'A1' - Schedule 'A2')

Total in Words