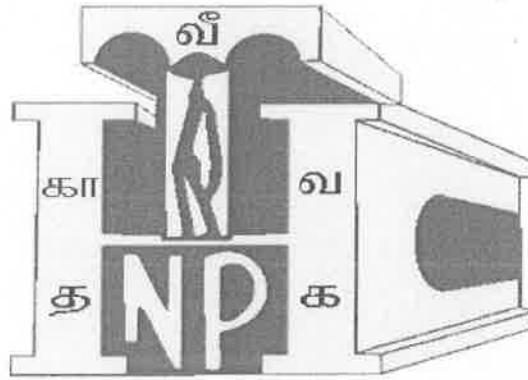


TAMIL NADU POLICE HOUSING CORPORATION LTD

(A GOVERNMENT OF TAMILNADU UNDERTAKING)

(ISO 9001 - 2015 CERTIFIED COMPANY)



**RECTIFICATION WORKS IN THE 166 NOS.
OF DSP, 1190 NOS. OF INS / SI & 1317
NOS. OF PC/HC HOUSES IN
MELAKOTTAIYUR IN CHENGALPATTU
DISTRICT UNDER "OWN YOUR HOUSE"
SCHEME.**

NO.132, E.V.R. SALAI, KILPAUK, CHENNAI-600 010.

SPECIAL CONDITIONS

IMPORTANT INFORMATIONS TO THE TENDERERS FOR FILLING UP OF TENDER CODING SHEET INCLUDED IN THE TENDER SCHEDULE

1. Rates should be quoted in the coding sheet enclosed in the tender schedule without fail.
2. This tender schedule includes (i) Tender Notice (ii) Detailed tender specification (i.e., schedule 'A') (iii) Other terms & conditions of the tender including drawings. (iv) Tender Coding sheet. In order to simplify the work and for early decision to be taken on the tender the quantities of items are given only in the tender coding sheet. The contractors are requested to read the detailed specification and quote the rates clearly in the tender coding sheet. Quoting the rates in the tender coding sheet for all the items will only be taken up for comparison and shall be final. The contractors need not quote the rates in the schedule containing detailed specification. Even if it is quoted in the schedule containing detailed specification, it will not be taken up for tender comparison.
3. The Contractors are requested to fillup the rates neatly without over writing. Otherwise the decision of the TNPHC on these rates to be taken up for comparison is final
4. The contractor should make sure that the rates both in figures and in words filled up in the coding sheet are exactly the same.
5. The tenderer should fill up the Amount for each item in the Amount Column as well as total amount in the coding sheet without fail. Otherwise the tender will not be taken for comparison.
6. The items, which are not included in this work are shown as deleted in the coding sheet. Contractor should not quote the rates in Coding sheet for such of those items shown as deleted. Even if it is quoted it will be ignored.
7. The tenderer / contractor will make his/her/their own arrangements to procure and use the ISI Brand cement and steel required for the work.
8. It should be clearly understood that the rate quoted by the tenderer / contractor is inclusive of the cost of 43 grade ordinary portland cement / SRC and steel and other incidental charges such as conveyance, loading, unloading, stacking at site and testing charges etc., complete.
9. The tenderer / contractor will produce test certificate obtained from any one of the Govt. institutions for cement and steel brought to site. As and when required by the Department the cement and steel brought to the site shall be tested by the Department from any one of the approved Govt. institutions and only when the test results confirm to the ISI specification they will be allowed to be used in the works.
10. The tenderer should sign all the pages of the tender schedule without fail. Otherwise the tender will be summarily rejected.
11. The tenderer / Contractor should strictly follow above instructions without fail.

ANNEXURE - [R]**TENDER DETAILS FOR RECTIFICATION WORKS IN THE 166 NOS. OF DSP, 1190 NOS. OF INS / SI & 1317 NOS. OF PC/HC HOUSES IN MELAKOTTAIYUR IN CHENGALPATTU DISTRICT UNDER "OWN YOUR HOUSE" SCHEME.**

1. FILE NUMBER : SE / CC / DB / 1623/ 2022
2. TENDER NOTICE NUMBER : SE/CC - 05 / 2022 - 23 Dt:25.04.2022
3. NAME OF WORK AND VALUE OF PUT TO TENDER : Rectification works in the 166 Nos. of DSP, 1190 Nos. of Ins / SI & 1317 Nos. of PC/HC houses in Melakottaiyur in Chengalpattu District under "Own your House" Scheme. Rs.190.45 Lakhs (with GST)
4. DATE OF SALE OF TENDER : 29.04.2022 (12 Noon) To 10.05.2022 (5.30 PM)
5. DATE OF RECEIPT OF TENDER : 12.05.2022 (upto 3.00 PM)
6. DATE OF OPENING OF TENDER : 12.05.2022 (at 3.15 PM)
7. EMD AMOUNT (With GST) : Rs.1,05,300/- (Rupees One lakh five thousand and three hundred only)

(To be drawn in favour of Executive Engineer/TNPHC Ltd.,
The tender received without EMD
will be summarily rejected).

8. COST OF TENDER DOCUMENTS : Rs.10,620/- (Rupees Ten thousand six hundred and twenty only)
(with GST) (Drawn in favour of Executive Engineer/Chn Dn-I
TNPHC Ltd, Kilpauk Chennai-10)

9. PERIOD OF COMPLETION OF WORK : 5 Months
10. THE TENDER SCHEDULE IS TO BE PLACED : At the O/o the Supdg.Engr/ C.C TNPHC Ltd.,
No.132, E.V.R salai, Kilpauk, Chennai – 10, as per the
Time and date specified above

11. BOOK LET INCLUDED IN THIS TENDER SCHEDULE

Schedule-A, Terms & Conditions &

- Tender coding sheet (One Booklet) : 63 Pages

DETAILS OF SALE OF TENDER SCHEDULE

NAME OF CONTRACTOR :

- COST OF TENDER SCHEDULE PAID : Rs.10,620.00 (Including taxes and surcharge)

A. DETAILS OF BANKER & BRANCH :

B. DD/PAY ORDER/BANKER'S CHEQUE
NO. & DATE :

Spl.Gr. Draughting Officer / CC

Note : The attested copies as a proof of registration with upto date renewal, solvency with encumbrance certificate, Current Income Tax, Sales tax Verification Certificate, GST Registration certificate, Performance certificate etc., shall be enclosed.

TAMIL NADU POLICE HOUSING CORPORATION LIMITED

Tender Notice

Office of the Superintending Engineer/CC, Tamil Nadu Police Housing Corporation Limited.

For and on behalf of the TNPHC Ltd sealed tender is invited for the under mentioned work so as to reach the Superintending Engineer/C.C, Tamil Nadu Police Housing Corporation Limited, No.132, E.V.R. Salai, (Poonamallee High Road), Near G-3 Police Station, Kilpauk, Chennai - 600 010, not later than 3.00 P.M. on.....(Refer Annexure "R" Serial No. 5). The tenders will be opened by the Superintending Engineer/C.C, Tamil Nadu Police Housing Corporation Limited, at his office at 3.15 P.M. as per Superintending Engineer's/C.C office clock, on the same date in the presence of the tenderers or their authorised representative, who choose to be present for the work of *

(Refer Annexure "R" Serial No. 3)

The tender should be in the prescribed form obtainable from the Office of the Superintending Engineer/CC, Tamil Nadu Police Housing Corporation Limited / down loaded from www.tenders.tn.gov.in . The tenders will be opened by the Superintending Engineer/C.C, Tamil Nadu Police Housing Corporation Limited or his delegate at the place and as above mentioned.

1. The tenderers or their agents are expected to be present at the time of opening of tenders. The tender receiving officer will on opening each tender prepare a statement of the attested and unattested corrections therein and hand it over to the tenderer concerned and initials all such corrections in the presence of the tenderer. If any of the tenderers or their agents find it inconvenient to be present at the time, then in such a case the tender receiving Officer will on opening the tender of the absentee tenderer make out a statement of the unattested corrections and communicate to him. The absentee tenderer shall then accept the statement of corrections without any question whatsoever.
2. Tenders must be submitted in sealed covers and should be addressed to the Superintending Engineer/CC , Tamil Nadu Police Housing Corporation Limited, the name of the tenderer and the name of the work being noted on the cover.

If the tender is made by an individual it shall be signed with his full name and his address shall be given. If it is made by a firm it shall be signed with the co-partnership name by a member of the firm who shall also sign his own name, and the name and address of each member of the firm shall be given. If the tender is made by a Corporation, it shall be signed by duly authorised officer, who shall produce with his tender, satisfactory evidence of his authorisation. Such tendering Corporations may be required before the contract is executed to furnish evidence of its corporate existence.

3. Each tenderer must also send a certificate of Income-tax verification from the appropriate Income - tax Authority in the form prescribed therefor. This certificate will be valid for one year from the date of issue for all tenders submitted during the period.

In the case of proprietary and partnership firm will be necessary to produce the certificate aforementioned for the proprietors and each of the partners as the case may be.

If the tenderer is a registered contractor and if a certificate for the current year had already been produced by him during the calendar year in which the tender is made it will be sufficient if particulars regarding the previous occasion on which the said certificate was produced are given:

All tenders received without certificate as aforementioned will be summarily rejected.

4. + Each tenderer must pay as Earnest Money deposit (with GST) of a sum of Rs.(Refer Annexure "R" Serial No.7) (Rupees.....) by demand draft drawn in favour of the Executive Engineer (.....) Tamil Nadu Police Housing Corporation and enclose with his tender the Demand Draft in Original. The Earnest Money deposit (with GST) will be refunded to the unsuccessful tenderers on application after intimation is sent to rejection of the tender or at the expiration of 90 days from the date of tender, whichever is earlier. The Earnest Money deposit (with GST) will not be received in cash or cheque. Tenders accompanied by cheques or cash will be summarily rejected.

The Earnest Money deposit (with GST) will be retained in the case of successful tenderer and will not carry any interest. It will be dealt with as provided for in the tender.

*NAME OF WORK

+ Alternatively the Earnest Money deposit (with GST) to the required value will be accepted in any one of these forms.

Demand Draft from any one of the Nationalised Bank/Scheduled Bank in favour of the Executive Engineer (Refer annexure "R" Serial No. 7) NSC/KVP should be pledged in favour of the Executive Engineer (Refer annexure "R" serial No. 7). The NSC/KVP must be accompanied with covering letter indicating the details of the NSC/KVP which are enclosed along with the tender.

5. The tender will remain valid for a period of 90 days from the last date for receipt of tender. The validity period can be extended further if the contractor gives his consent in writing, specifying the period of extension.

(i). The tenderer whose tender is under consideration shall attend the office before the end of the period specified by written intimation to him. If the tenderer fails to attend the office before the end of specified period, his tender will not be considered. He shall forthwith, upon and intimation being given to him of acceptance of his tender by the officer authorized, make security deposit (with GST) of 2% of the value of contract in one of the forms prescribed in TNPHC by taking into account of the amount of earnest money deposit already deposited with the tender; It would be sufficient to pay the balance amount to make up the 2% of the value of contract for the purpose of security deposit, which has to be remitted only in the shape of NSC /DD /Pay order/ Banker cheque accounts of postal department as per the form prescribed. National savings scripts /accounts of postal department pledged in favour of the Executive Engineer concerned. The security deposit together with the earnest money deposit and the deductions made at 5% of the value of each bill towards withheld amount vide clause 64-1 of General conditions to the contract, shall be retained as security for the due fulfillment of contract such deposit shall not bear any interest.

(ii). On receipt of written communication of acceptance of tender if the tenderer fails to pay the requisite security deposit within the period specified in the written communication or backs out from the tender or withdraws his tender, the earnest money deposit shall be forfeited.

If the contractor fails to carry out the contract, after paying the requisite deposits, then he will be liable for the excess expenditure, if any incurred to complete the work as contemplated in the General conditions to the contract.

(iii). It shall be expressly understood by the tenderer, that on receipt of written communication of acceptance of tender from the accepting authority, there emerges a valid contract between the TNPHC and the tenderer for execution of the work without any separate written agreement. Hence for this purpose, the tender documents i.e., tender notice, tender offered by the contractor, General conditions to the contract, special conditions to the contract, negotiation, correspondences, written communication of acceptance of tender, etc., shall constitute a valid contract and that will be the foundation of the rights of both the parties to the contract.

Provided that, it shall be open to the accepting authority to insist execution of any written agreement by the tenderer, if administratively considered necessary or expedient.

6. The tenderer shall examine closely the general conditions of the contract of Tamil Nadu Building Practice and also general conditions of contract contained therein and sign the copy of the Tamil Nadu Building Practice and its addenda volume in token such study before submitting his tender unit rates which shall be for finished work in site. He shall also carefully study the drawings and additional specifications and all the documents connected with the contract. The Tamil Nadu Building Practice and other documents connected with the contract such as specifications, plans, descriptive specification sheet regarding materials etc., can be seen at any time between 11.00 a.m. and 5.00 p.m. on office days in the office of the Superintending Engineer aforementioned.

** A copy of the set of contract documents can also be had on payment of Rs. (Refer annexure 迭 Serial No. 8) (Rupees.....) for each set and which will not be refunded on any account.

7. The tenderer's attention is directed to the requirements for materials under the clause Materials and Workmanship in the General conditions to contract. Materials conforming to the Indian Standard Specifications shall be used on the work and the tenderer shall quote his rates accordingly.

8. Every tenderer is expected, before quoting his rates to inspect the site of proposed work. He should also inspect quarries, and satisfy himself about the quality and availability of materials such as Bricks, Sand & HBS jelly etc. The best class of materials shall be allowed to use on the work. In every case the materials must comply with the relevant standard specifications. Samples of materials called for in standard specifications, or in this tender notice or as required by the Executive Engineer in any case shall be submitted for the Executive Engineer's approval before the supply to the site of work is begun. Accordingly the tenderers are requested to quote their own workable rates.

The Tamil Nadu Police Housing Corporation Limited will not however after acceptance of contract rate pay any extra charges for lead or for any other reasons in case the contractor is found later on to have misjudged the materials available. Attention of the contractor is direct to the General conditions of the contract regarding payment of seigniorages tolls etc., subject to price adjustment clause provided for in this tender schedule.

** To be struck out if such copies are not to be issued for sale.

..5..

9. The Tenderer's particular attention is drawn to sections and clauses in the General Conditions of contract dealing with:

1. Test, inspection and rejection of defective materials and work
2. Carriage
3. Construction plant
4. Water and Lighting
5. Cleaning up during progress and for delivery
6. Accidents
7. Delays and
8. Particulars of Payment

The contractor should closely peruse all the specification clauses which govern the rate he is tendering.

10. A schedule of quantities accompanies this tender notice, it shall be definitely understood that the Executive Engineer, aforementioned does not accept any responsibility for the correctness or completeness of this schedule and that this schedule is liable to alterations, omission, deductions or additions at the discretion of the Executive Engineer, Tamil Nadu Police Housing Corporation or as set forth in the conditions of contract. The Tenderer will however base his lump-sum tender on this schedule of quantities. He should quote specific rates for each item in the schedule and the rate should be in Rupees and Paise. The rates should be written both in words and figures and the units in words. The tenderer should also show the totals of each item and the grand total of the whole contract. The Schedule - A accompanying the lump-sum tender shall be written legibly and free from the erasures. Over-writings or conversions of figures corrections where unavoidable should be made by crossing out, initialing, dating and re-writing.
11. Tenders offering a percentage deduction from or increase on the estimate amount and those not submitted in proper form or in due time will be rejected. Rates or Lump-sum amounts for items not called for shall not be included in the tender. No alteration which is made by tenderer in the contract form, the conditions of Contract, the drawings, specification, or quantities accompanying same will be recognised and if any such alterations are made the tender will be void.
12. The tenderer should work out his own rates without reference being made to the Tamil Nadu Police Housing Corporation Limited current schedule of rates or to the estimated rates which are not open for inspection to tenderers.
13. The attention of the tenderer is directed to the contract requirements as to the time of beginning work, the rates of progress and the dates for the completion of the whole work and its several parts. The following rate of progress and of proportionate value of work done from time to time as will be indicated by the Executive Engineer's certificates of the value of work done will be required. Date of commencement of this programme will be the date on which the site (or premises) is handed over to the contractor. This subject to the G.O.Ms.No.101 Public Works (G2) Dept, Dt:10.06.2009.

Period of Contract – 5 Months

Period after date of commencement	Total percentage of work to be completed based on contract LS amount	Approximate quantity of cement	Approximate quantity of steel
1st Quarter (2 Months)	33%	20.02 MT	4.80 MT
2nd Quarter (3 Months)	43%	10.01 MT	2.40 MT
3rd Quarter (4 Months)	67%	3.34 MT	0.80 MT
4th Quarter (5 Months)	100%	-	-

NOTE : The periods to be entered in a column for the purpose of defining of the rate of progress may be fixed by the Superintending Engineer / Executive Engineer to suit each case.

14. No parts of the contract shall be sublet without written permission of the Executive Engineer, nor shall transfer be made up power of attorney, authorising others to receive payment on the contractors behalf.
15. If further necessary information is required the "Superintending Engineer" of the Tamil Nadu Police Housing Corporation Limited will furnish, detail but it must be clearly understood that tenders must be received in order, and according to instructions.
16. The Superintending Engineer, or other sanctioning authority reserves the right to reject any tender or all the tenders without assigning any reasons therefor.

17. The tenderers who are themselves not professionally qualified shall undertake to employ qualified Technical men at their cost to look after work. The tenderer should therefore state in clear terms whether they are professionally qualified or whether they undertake to employ technical staff and if so give their professional qualifications of the staff to be employed. In case the selected tender is one who has undertaken to employ technical staff under him he should see that one of the staff is always at site of the work during working hours personally checking all items of work and paying extra attention to such works as may demand special attention eg. reinforced concrete works etc.
18. Tenderer submitting a tender which the tender accepting authority considers excessive and / or indicative of the insufficient knowledge of current prices or definite attempt at profiting will render himself liable to be debarred permanently from tendering or for such period as the tender accepting authority may decide.
19. The fact of submitting the tender implies that the tenderer have actually inspected the site of works and have examined before tendering the nature and extent of various kinds of soil at various depths and have based their tenders on such examination by them and no future representation in this regard will be considered.
20. A statement giving particulars of equipment and resources that will be put at the disposal of the work under the following classification should accompany the tender.
 - (a) Equipment (Transport of materials Viz. lorries and carts, concrete mixers)
 - (b) Organisation (i) Technical (ii) Unskilled
 - (c) Resources in materials like teak wood, steel etc. and extent to which departmental help is not required for procurement of materials and transport of the same. Subject to the clause 6 of special conditions.
 - (d) Methods that will be adopted to speed up the work to ensure completion within or less than the time fixed for completion.
21. The Executive Engineer, reserves to himself the right of allotting the different sub-works to different contractors or one and the same contractor as he may decide after the receipt of tenders.
22. The contractors are liable to pay a penalty for non-employment of the technical staff as laid down in the conditions of employment of Technically qualified personnel.
23. The cost of materials supplied will be recovered from the bills or any other amounts due from the contractors.
24. Retention money deposit (RMD) (with GST) at 5% shall be recovered from each bill based on the value of work done by the contractors 50% of RMD (i.e., 2 1/2 %) received from the bills would be paid to the contractor along with final bill. The balance 50% (i.e., 2 1/2 %) of the total value of work will be retained on the final bill of the work for the period one year reckoned from the date of completion of work in order to enable the department to watch the effect of all seasons of the work. The contractor should furnish in indemnity bond for further period of four years. If any defects are notified in the above said period the defects should be rectified by the contractor at his own cost as directed by departmental officers and no extra payment to be made for the rectification of such work.
25. Action against the contractors who have participated in the earlier tenders but failed to execute the agreement on some pretext after receipt of the work order will be taken as per the G.O. in force.
26. No tenderer is permitted to withdraw his / her / their tender at any stage. If any tenderer withdraws his / her / their offer within the tender validity period his / her / their EMD / SD (with GST) shall be forfeited and his / her / their name(s) will be noted for blacklisting.
27. The contractors those who have got registered their names in TNPSC Ltd (or) PWD in the appropriate class and monetary limit with upto date renewal, are eligible to participate in the tender and they are requested to produce the latest registration copy issued by the department concerned. The contractors those who have carried out such type of similar works are most preferable.
28. Income Tax return Certificate (2020-21 / 2021-22).
29. Sales tax verification certificate (2016-17). The total Annual turnover amount, Tax paid and other details should be covered in the Sales tax verification certificate. Otherwise the Sales tax verification certificate will not be considered and such tender shall be rejected summarily.
30. Revenue solvency issued by the Tahsildar with upto date EC should be uploaded. The details of Survey number, area etc., of the property mentioned in the solvency certificate and Encumbrance certificate should be tallied. If any discrepancies, the same will not be considered. Encumbrance certificate should be obtained from the date of solvency certificate issued by the Tahsildar, on or after the date of tender notice of the respective works. EC should be free from Encumbrance. If EC is obtained from the Government website, the same also be considered.

31. Incase the tender is made by an individual, the tender documents shall be signed by the individual with his name and address and submit along with a copy of (duly attested by Notary public / Gazatted officer) proper contractor registration certificate
32. Incase the tender is made by registered firm, it shall be signed by the Managing Partner (or) the person authorized by the firm, with full name of the firm and address. The proof shall be submitted along with the copy of partnership deed and current renewal for firm registration. i.e., Form 'C' obtained from registrar of firms with proof of renewal (Copies should be duly attested by Notary/Gazatted officer).
33. Incase the tender is made by a limited company or a limited corporation, it shall be signed by a duly authorized person holding the power of attorney for signing the tender in which case a certified copy of the power of attorney shall accompany the tender. The Articles of Memorandum of the Company and profile of the company with company incorporation certificate copies with seal (duly attested by Notary or a Gazatted Officer) shall be submitted along with his / their tender.
34. Incase a tenderer, tendered in the Name and Style of Proprietorship concern the tenderer should have registered his firm name in the respective registrar office and enclose the copy of Proprietorship Deed (duly attested by the Notary / Gazatted Officer) along with the tender. The sole propritor alone should sign in the tender documents.
35. The performance Certificate in having satisfactorily executed and completed building works / related works (The completed value shall be more than 50% of the value of the contract put to tender (with GST) in a single contract) directly issued by the concerned organization during past five years. The evidence for the same should be produced from an officer not less than the rank of the Superintending Engineer of the Government or Government undertakings / Responsible person of the Private organizations. Incase of contractors who have executed works in TNPHC Ltd, the satisfactory performance certificate in the prescribed format from the Superintending Engineer concerned of TNPHC Ltd, should be furnished.
36. The contractor should submit the TDS certificate issued by the Income Tax Department for the private work experience.
37. The Private experience should be supported along with TDS statement (i.e., Form 16A & Form 26AS).
38. The tenderer should sign all the pages of the tender schedule without fail. Otherwise, the tender will be summarily rejected.
39. The copies of credentials, documents, should be got attested by Notary Public / Gazatted officer of state or Central Government.
40. EMD exemption is not entertained vide G.O Ms.No.270 Finance (salaries) department dated .19.09.2017.
41. The tender will be considered only after satisfactory production of the credentials by the intending tenderers such as previous performance, nature and value of work done and required valid Registration certificate with upto date renewal, Income Tax, Solvency, Sales Tax Verification certificate etc.,
42. The tenderer should be registered with GST.
43. The total value of a contract / Service which exceeds Rs.2.50 Lakhs, 2% GST TAX at source will be deducted. (1% CGST & 1% SGST) as applicable from time to time in addition to 1% or 2% of TDS as per IT act.
44. The tenderer shall quote the rates and prices (both in figures and words) for all the items of the works described in the Bill of Quantities excluding GST.
45. Government of India has notified vide Notification No.20/2017- Central Tax (Rate), dated 22nd August, 2017 and Notification No.24/2017- Central Tax (Rate), dated 21st September, 2017, the concessional rate of the Goods and Services Tax (GST) at 12% [CGST at 6% + SGST at 6%] is leviable for any Government contract, Whether Civil or Electrical, irrespective of the Goods and Services Tax (GST) rate applicable on purchase of goods used in the execution of Government Contract. And the GST amount will be calculated at 12% from the sum of total tendered value quoted by the tenderer for construction cost (excluding GST) specified in the BOQ, subject to GST rate applicable from time to time as recommended by the GST Council.
46. All duties, taxes, and other levies except GST, payable by the contractor under the contract, or for any other cause shall be included in the rates, prices and total Bid Price submitted by the Bidder.
47. The Contractor should be required to indicate their GST registration number under the Goods and Services Tax (GST) Act 2017 in the tender form. The Central Goods and Services (CGST) Act 2017, the Integrated Goods and Services (IGST) Act 2017 and the Tamil Nadu Goods and Services (TNGST) Act 2017 have been enacted and enforced from 01.07.2017. Under the new tax regime, GST (comprising CGST, SGST and IGST) on works contracts for Government work was finally notified at 12 percent. As per the Tamil Nadu Goods and Services (TNGST) Act 2017, with effect from 01.07.2017.

OFFICE OF THE SUPERINTENDING ENGINEER / CC
TAMIL NADU POLICE HOUSING CORPORATION LIMITED

TENDER

Dated

To
The Superintending Engineer/C.C
Tamil Nadu Police Housing Corporation Ltd.,
Chennai.

Sir,

I/We do hereby tender and if this tender be accepted, undertake to execute the following works.

viz.

As shown in the drawings and described in the specifications deposited in the Office of the Superintending Engineer, Tamil Nadu Police Housing Corporation Limited with such variations by way of alterations, additions to, and omissions from the said works and method of payment as are provided for in the conditions of contract for the sum of Rupees. (in words and figures)

or such other sum as may be arrived at under the clause of the General conditions of contract relating to "Payment on lump-sum basis or by final measurement at unit prices".

I/We have also completed the priced list of items of Schedule "A" annexed (in words and figures) for which I/We agree to execute the work and receive payments on detailed final measurement at Unit Prices.

I/We hereby distinctly and expressly declare and acknowledge that, before the submission of my/our tender I/We have carefully followed the instructions in the tender notice and have read the Tamil Nadu Building Practice and the Preliminary Specifications therein and that I/We have made such examination of the contract documents and the plans, specifications and quantities and of the location where the said work is to be done and such investigation of the work required to be done and in regard to the material required to be furnished as to enable me/us thoroughly to understand the intention of the same and the requirements, covenants, agreements, stipulations and restrictions contained in the contract, and in the said plans and specification and distinctly agree that I/ we will not hereafter make any claim or demand upon the Corporation based upon or arising out of any alleged misunderstanding or misconception, or mistake on my part of the said requirements, covenants, agreements, stipulations, restrictions and conditions.

*** I/We being a registered contractor enclose an income-tax verification / have/ already produced an income tax verification certificate in respect of (here particulars of the previous occasion on which the certificate was produced should be given.

*** I/We enclose the sum of Rs..... (Rupees) in the form of as prescribed in the Tender Notice towards Bid Security (Earnest Money Deposit) (with GST) which will not carry any interest.

*** I/We hereby enclose the proof of authority vide the payment of Bid Security exempting me/us from the payment of Bid Security.

Note. *** to be scored out if not applicable.

If my/our tender is not accepted this sum shall be returned to me/us on my/our application when intimation is sent to me / us of rejection or at the expiry of 90 days/ from the date of this tender whichever is earlier. If my / our tender is accepted, the Earnest Money deposit (with GST) shall be retained by the Corporation as security for the due fulfillment of the contract. If upon written intimation to me/us by the Executive Engineer indicating that my/our presence is required for the purpose of enquiry. I/we fail to attend the said office before the end of Period specified on such intimation and if upon intimation being given to me / us by the Executive Engineer of acceptance of my/our tender. I/We fail to make the additional Security deposit (with GST) or to enter into the required agreement as defined in the tender notice, then I/We agree to the forfeiture of Earnest Money deposit (with GST). Any notice required to be served to me / us here under shall be sufficiently served on me / us if delivered to me / us personally or forwarded to me / us by post (registered or ordinary) or left at my / our address given herein such notice shall if shall if send by post be deemed to have been served on me/us at the time when in due course of post it would be delivered at the address to which it is sent.

..9..

I/We fully understand that the written agreement to be entered into between me /us and the Corporation shall be the foundation of the rights of both the parties and the contract shall not be deemed to be complete under the agreement has first been signed by me/us and then by the proper officer authorised to enter into contracts on behalf of the Corporation.

I am / we are professionally qualified and my/ our qualification are given below.

Sl.No.	Name	Qualification
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Contractor

I / We will employ the following technical staff for the supervising the work and will see that one of them is always at site during working hours personally checking all item of works and paying extra attention to such works as require special attention (e.g.) Reinforced Concrete work.

Name of members of technical staff Proposed to be employed	Qualification
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- Note :
- (a) The last two clauses should be Scored out if the cost of the work involved in less than Rs.10,000/-
 - (b) The tenderer should score out the last clause or the penultimate according as they are themselves professionally qualified or undertake to employ technical staff under them.

RATE OF PROGRESS

(Fill in from tender notice)

Period after the Commencement of	Percentage of work to be Completed on the whole work
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TAMIL NADU POLICE HOUSING CORPORATION LIMITED

No.132, E.V.R. SALAI, (POONAMALLEE HIGH ROAD),KILPAUK, CHENNAI - 10.

SCHEDULE 'A'

Name of Work : Rectification works in the 166 Nos. of DSP, 1190 Nos. of Ins / SI & 1317 Nos. of PC/HC houses in Melakottaiyur in Chengalpattu District under "Own Your House" Scheme.

- A. The Quantities here given are those upon which the lumpsum tender cost of the work is based, but they are subject to alterations, omissions, deductions or additions are provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The Unit rates excluding GST amount are the governing payments of extras or deductions or omissions according to the conditions of the contract as set forth in the General conditions to the contract of the Tamil Nadu Building practice and other conditions or specifications of this contract.
- B. It is to be expressly understood that the measured work is to be taken net (not withstanding any custom or practice to the contrary) according to the actual quantities when in place and finished according to the drawing or as may be ordered from time to time by the Chief Engineer and the cost calculated by measurement or weight at the respective prices without any additional charge for any necessary or contingent works connected therewith. The rates quoted excluding GST amount are for works in site and complete in every respect.

Name of Work: Rectification work in the 166 Nos of DSP ,1190 Nos of Ins/SI & 1317 Nos . Of PC/HC houses in melakottaiyur in Chengalpattu District under "Own your House" Scheme

ANNEXURE TO SCHEDULE - A

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
1	7.2		Supplying and fixing of 20mm thick bituminous expansion joint filler pad of approved quality and make inclusive of conveyance charges, cutting the pad to the required size, cost of materials and labour charges for fixing in position wherever necessary for all floors etc., complete and as directed by the departmental officers.			1m ² (One Square metre)	
2	33		Plastering with CM 1:5 (One of cement and five of sand) 12mm thick finished with neat cement including providing band cornice, ceiling cornice, curing, scaffolding, etc., complete in all respects and complying with relevant standard specifications.	56 & 57		1m ² (One Square metre)	
3	238		Applying one coat of anticorrosive treatment on steel reinforcement rods (20 ltrs. of anitcorrosive chemical for one mertic tonne of steel reinforcement rods) at site including a cost of required quantity of anticorrosive chemicals, (best approved quality) cement, consumables such as brushes, gloves and labour for anticorrosive coating etc. complete and as directed by the departmental officers. (The Quality and brand of anticorrosive chemaical should be got approved by the EE before use).			1 MT (One Metric Tonne)	
4	1.15		Annexure Hire charges for engaging JCB for removing the cable duct cover slab etc. all complete and as directed by the departmental officers			1 day (One day)	

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
5	7.4		Cleaning the Expansion joint treatment (30mmx15mm) provided at places using air blower to remove dust particles and racking the hituminous pad with Foam pad (size 12mm) for the depth required and mixing the part A and part B of polysulphide sealents and fixing the same in the expansion joints provided including fixing masking tape on either side groove to avoid over sticking and finishing the top portion by using soap water including cost of all chemicals and labour charges , necessary scaffolding charges, tools and plants etc. complete and as directed by the departmental officers			1 Rmt (One Running Metre	
6	7.5		Supplying and fixing 300mm wide PVC EXPANSION JOINT in the 20mm expansion gap provided in between decks over piers and in between deck and dirt wall over as abutment in places shown by the departmental officers including cost of conveyance of expansion joint including shalimar pad and joint sealent(water stopper) etc. allcomplete and as directed by the departmental officers			1 Rmt (One Running Metre	
7	8.2.4.1		Providing and laying in position, Standardised Concrete Mix M-25 Grade in accordance with IS:456-2000 using 20mm and down graded hard broken granite stone jelly for the all RCC items of works with minimum cement content of 350 Kg/m ³ and maximum water cement ratio of 0.55, including admixture (plasticiser/super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 cum) 7730Kg of 20mm machine crushed stone jelly and with about (3.3 cum) 5156 Kg of 10-12mm machine crushed stone jelly and with about (4.79 cum) 7670Kg of sand, (for making 10 cum) but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also				

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
			including laying, vibrating with mechanical vibrators, finishing, curing etc., and providing fixtures like fan clamps in the RCC floor/roof slabs wherever necessary without claiming extra etc., complete complying with relevant standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with requirements of IS standards. (No separate payment will be made by the Departmental for the excess usage of materials)				
8			d. Second Floor			1m ³ (One Cubic metre)	
9			g) Fifth Floor			1m ³ (One Cubic metre)	
10	9.2.2		Brick work in Cement Mortar 1:6 (One of cement and six of sand) using Chamber burnt bricks of size 9"x4½"x3" (23x11.4x7.5cm) for super structure in the following floors for expansion joint including scaffoldings, curing etc., complete in all respect complying with relevant standard specifications and drawings. c) second floor	31 & 31-C		1m ³ (One Cubic metre)	
			F. fifth floor			1m ³ (One Cubic metre)	

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
11	18.1		Providing Form work and centering for reinforced cement concrete works including supports and strutting up to 3.30m height for plane surfaces as detailed below with all cross bracings using mild steel sheets of size 90cm x 60cm and MS 10 gauge stiffened with welded mild steel angles of size 25mmx25mmx3mm for boarding laid over silver oak or country wood joists of size 10cmx6.5cm spaced at about 90cm centre to centre and supported by casurina props 10cm to 13cm dia spaced at 75cm intervals and removing the same after a specified period without damaging the R.C.C works etc., complete complying with standard specification and as directed by the departmental officers.	30 (8)			
			b.Plain surfaces such as Roof slab,floorslab,Beams,lintels,lofts,sill slab,staircase,portico slab and other similar works			1m ² (One Square metre)	
12	38.5		Painting the old walls with two coats of matt - paint (weather coat) of approved brand over cement plastered wall surfaces including cost of paints, putty, brushes, watering, curing, etc., all complete as directed by the departmental officers (paints and its shade shall be got approved from the Executive Engineer before use)	65 A		1m ² (One Square metre)	
13	43.1		Supplying, fabricating and placing in position of Mild steel Grills / Ribbed Tor Steels of all diameters for reinforcement for all floors including cost of binding wire, bending tying etc., all complete and as directed by the departmental officers.(with out cement slury)	30 & 86		1MT (One Metric Tonne)	

SL. NO	ITEM NO.	QTY.	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
14	102.2		Wirng with 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable with continuous earth by means of 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable confirming to IS 694 / 1980 with ISI mark in Surface run of PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 16g thick concealed and covered with 3mm thick laminated hylem sheet for STAIRCASE LIGHT POINT FOR ADMINISTRATIVE BLOCKS AND COMMUNITY CENTRE controlled by 5 amps flush type switch including citcuit mains, cost of all materials, specials, etc., all complete,(Open wiring)			1 No (One Number)	
15	108.1.2		Replacement of Underground Utilities (GI Pipe) of following dia damaged during earthwork excavations for pipe laying works including cost of labour charges and additional earthwork excavation in all soil strata, including BT/CC road cutting, removal of slushy soil and replacing the pipe line with sound pipe, including supply and delivery of GI pipes, coupler, Union, jointing materials and required specials, cutting, threading, conveying , laying, jointing and cost of refilling for the additional earthwork etc. complete and as directed by the departmental officers a)65mm dia			1 Rmt (One Running Meter)	
16	151.3.1		Supplying and laying of following PVC armoured LTUG cable 1.1 KV grade armoured in a trench to be excavated at a depth of 0.75 m putting 0.15 m layer of sand and covering the cable completely with bricks and sand refilling the earth including cost of all materials and labour charges all complete complying with relevant standard specifications and as directed by the departmental officers (The brand and quality of the cable shall be got approved by the Executive Engineer before use). Below GL a) 3.5 X 120 sq.mm PVC armoured LTUG cable			1 RMT (One Running Metre)	

Contractor

No of Corrections

Superintending Engineer / CC

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
17			b) 3.5 X 240 sq.mm PVC armoured LTUG cable			1 RMT (One Running Metre)	
18	209.6.1		<p>Towards labour charges for cleaning the underground sump at seven stage cleaning process, including all tools and plant, cleaning materials complete etc.as directed by the departmental officers.</p> <p>1.Dewatering (mechanized)</p> <p>2.High Pressure Water Jet to remove all algae, moss & calcinations</p> <p>3.Manual Scrubbing to remove hardened dirt / sediments (if any)</p> <p>4.Sludge removal with a Vaccum machine</p> <p>5.Ultra-Violet Treatment to kill any residual bacteria (for above 5 ft height tank only)</p> <p>6.Chlorine Treatment (Calcium / Sodium Hypochlorite) Sumps No. S1& S2,S3,S4,S5,S6 ,S7,S8, S9,S10,S11& S12,S13 etc. complete and as directed by the departmental officers</p>			1 Litre (One Litre)	
19	243.6.2		<p>OUT SIDE: Drill the blocked Existing toilet out side pipe line, existing spout line and make it to drip so if its work out water will drip and wait for the same till drip and make the outlet pipe to seal the all around the pipe line (waste water line and sewage line) with polymer modified compound. including cost of all materials, hire charges for tools & plants,scaffolding and labour charges etc,all complete in all aspects and as directed by the department officers</p>			1 No (One Number)	

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
20	243.6.3		<p>Providing water proofing for Common Bathroom toilet (Size:2035 x 1370mm) by removing the existing the floor tiles and filling materials and check if any crack and make the water proofing fully checked and finished as same as earlier including plumbing works, hire charges for tools & plants and labour charges etc,all complete as per relevant Standard Specifications and as directed by the department officers as follows:</p> <p>i) Dismantling the existing damaged flooring tiles without affecting the adjacent structures and clearing the debris away from the site</p> <p>ii) Removing the IWC and dismantling the lime concrete in all floors without affecting the adjacent structures including clearing away the debris from the site</p> <p>iii) Providing Surface Preparation to the surfaces which are to receive the waterproofing coating must be free from dirt or any other form of foreign matter which might affect adhesion. Acid wash and water wash the surface and allow it to surface dry condition</p> <p>iv) After surface preparation keep the surface wet and there should not be water stagnation in slap ,wall area Providing water proofing coating by mixing the part A and B of the Elesromatic cementations water proofing membrane mechanically using an electrically operated mixing machine fitted with mixing paddle, apply the mixing materials using a good quality brush as first coat. Wait for a minimum period of 4 to 6 hours and mix the materials as explained above and apply second coat right angle to the direction of the first coat. Allow the system to dry and cure the same for a minimum period of 3 days</p> <p>v)Providing Brick partition wall in Cement Mortar 1:4 (One of cement and four of sand) 114mm thick for super structure using chamber burnt bricks of size 9"x4½"x3" (23x11.4x7.5cm)</p>				

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
			vi) Laying of Weathering Course for sunk portion with brick jelly lime concrete proportion of brick jelly to lime being 32:12½ by volume (32 cft of 20mm gauge brick jelly and 12 ½ cft of slaked lime) (No sand) and top 75mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size brick jelly and refixing the IWC in same place vii) Supplying and fixing of colour Ceramic Tiles Anti skid without corrugated design for flooring and other similar works (Best approved quality, colour and shade shall be got approved from the Executive Engineer before using) over cement mortar 1:3 (One of cement and three of sand) 20mm thick including fixing in position, cutting the tiles to the required size wherever necessary, pointing the joints with white cement, curing, finishing etc all complete				
21	243.6.4		Providing water proofing for Attached toilet (Size:1410 x 1970mm) by removing the existing the floor tiles and filling materials and check if any crack and make the water proofing fully checked and finished as same as earlier including plumbing works, hire charges for tools & plants and labour charges etc,all complete as per relevant Standard Specifications and as directed by the department officers as follows: i) Dismantling the existing damaged flooring tiles without affecting the adjacent structures and clearing the debris away from the site ii) Removing the IWC and dismantling the lime concrete in all floors without affecting the adjacent structures including clearing away the debris from the site iii) Providing Surface Preparation to the surfaces which are to receive the waterproofing coating must be free from dirt or any other form of foreign matter			1 No (One Number)	

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
			<p>which might affect adhesion. Acid wash and water wash the surface and allow it to surface dry condition</p> <p>iv) After surface preparation keep the surface wet and there should not be water stagnation in slab, wall area Providing water proofing coating by mixing the part A and B of the Elesromatic cementations water proofing membrane mechanically using an electrically operated mixing machine fitted with mixing paddle, apply the mixing materials using a good quality brush as first coat. Wait for a minimum period of 4 to 6 hours and mix the materials as explained above and apply second coat right angle to the direction of the first coat. Allow the system to dry and cure the same for a minimum period of 3 days</p> <p>v) Laying of Weathering Course for sunk portion with brick jelly lime concrete proportion of brick jelly to lime being 32:12½ by volume (32 cft of 20mm gauge brick jelly and 12 ½ cft of slaked lime) (No sand) and top 75mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size brick jelly and refixing the IWC in same place</p> <p>vi) Supplying and fixing of colour Ceramic Tiles Anti skid without corrugated design for flooring and other similar works (Best approved quality, colour and shade shall be got approved from the Executive Engineer before using) over cement mortar 1:3 (One of cement and three of sand) 20mm thick including fixing in position, cutting the tiles to the required size wherever necessary, pointing the joints with white cement, curing, finishing etc all complete.</p>				

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
22	243.6.5		<p>Providing water proofing for Common Bathroom toilet (Size:1445 x 2055mm) by removing the existing the floor tiles and filling materials and check if any crack and make the water proofing fully checked and finished as same as earlier including plumbing works, hire charges for tools & plants and labour charges etc,all complete as per relevant Standard Specifications and as directed by the department officers as follows:</p> <p>i) Dismantling the existing damaged flooring tiles without affecting the adjacent structures and clearing the debris away from the site</p> <p>ii) Removing the IWC and dismantling the lime concrete in all floors without affecting the adjacent structures including clearing away the debris from the site</p> <p>iii) Providing Surface Preparation to the surfaces which are to receive the waterproofing coating must be free from dirt or any other form of foreign matter which might affect adhesion. Acid wash and water wash the surface and allow it to surface dry condition</p> <p>iv) After surface preparation keep the surface wet and there should not be water stagnation in slab , wall area Providing water proofing coating by mixing the part A and B of the Elesromatic cementations water proofing membrane mechanically using an electrically operated mixing machine fitted with mixing paddle, apply the mixing materials using a good quality brush as first coat. Wait for a minimum period of 4 to 6 hours and mix the materials as explained above and apply second coat right angle to the direction of the first coat. Allow the system to dry and cure the same for a minimum period of 3 days</p> <p>v)Providing Brick partition wall in Cement Mortar 1:4 (One of cement and</p>				

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
			<p>four of sand) 114mm thick for super structure using chamber burnt bricks of size 9"x4½"x3" (23x11.4x7.5cm)</p> <p>vi) Laying of Weathering Course for sunk portion with brick jelly lime concrete proportion of brick jelly to lime being 32:12½ by volume (32 cft of 20mm gauge brick jelly and 12 ½ cft of slaked lime) (No sand) and top 75mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size brick jelly and refixing the IWC in same place</p> <p>vii) Supplying and fixing of colour Ceramic Tiles Anti skid without corrugated design for flooring and other similar works (Best approved quality, colour and shade shall be got approved from the Executive Engineer before using) over cement mortar 1:3 (One of cement and three of sand) 20mm thick including fixing in position, cutting the tiles to the required size wherever necessary, pointing the joints with white cement, curing, finishing etc all complete</p>				
23	243.6.6		<p>Providing water proofing for Attached toilet (Size:1375 x 2440mm) by removing the existing the floor tiles and filling materials and check if any crack and make the water proofing fully checked and finished as same as earlier including plumbing works, hire charges for tools & plants and labour charges etc,all complete as per relevant Standard Specifications and as directed by the department officers as follows:</p> <p>i) Dismantling the existing damaged flooring tiles without affecting the adjacent structures and clearing the debris away from the site</p> <p>ii) Removing the IWC and dismantling the lime concrete in all floors without affecting the adjacent structures including clearing away the debris from the site</p> <p>iii) Providing Surface Preparation to the surfaces which are to receive the waterproofing coating must be free from dirt or any other form of foreign matter</p>			1 No (One Number)	

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
			<p>which might affect adhesion. Acid wash and water wash the surface and allow it to surface dry condition</p> <p>iv) After surface preparation keep the surface wet and there should not be water stagnation in slab, wall area, Providing water proofing coating by mixing the part A and B of the Elesromatic cementations water proofing membrane mechanically using an electrically operated mixing machine fitted with mixing paddle, apply the mixing materials using a good quality brush as first coat. Wait for a minimum period of 4 to 6 hours and mix the materials as explained above and apply second coat right angle to the direction of the first coat. Allow the system to dry and cure the same for a minimum period of 3 days</p> <p>v) Laying of Weathering Course for sunk portion with brick jelly lime concrete proportion of brick jelly to lime being 32:12½ by volume (32 cft of 20mm gauge brick jelly and 12 ½ cft of slaked lime) (No sand) and top 75mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size brick jelly and refixing the IWC in same place</p> <p>vi) Supplying and fixing of colour Ceramic Tiles Anti skid without corrugated design for flooring and other similar works (Best approved quality, colour and shade shall be got approved from the Executive Engineer before using) over cement mortar 1:3 (One of cement and three of sand) 20mm thick including fixing in position, cutting the tiles to the required size wherever necessary, pointing the joints with white cement, curing, finishing etc all complete.</p>				

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
24	243.6.7		<p>Arresting the water leakage in the LIFT PIT of size 1.90m X 1.90m and height of 1.5m by providing pressure grouting in the floor and walls at 25 points, Providing micro concrete 100mm thick at the bottom, fixing fibre mesh in the walls to the height of 1.80m and at the bottom and chemical coating (5 coats) in the walls and floor including cost of all materials etc., all complete as follows:</p> <p>Providing the water proof coating for Brush bond 3 coat finishing the nano flex & mesh applying electrometric 2mm thick and tank proof chemical plastered 6mm thick mixing the polymer liquid, scrapping and cleaning</p> <p>Bottom Size: $1.90 \times 1.90 = 3.61$</p> <p>Side Size: $7.60 \times 1.80 = 13.68$</p> <p>Depth Size: $1.20 \times 0.30 = (-0.36) - 16.93\text{Sqm.}$</p> <p>Bottom Micro concreting 4 inch thick Mixing the polymer liquid cement & sand Size: 3.61Sqm.</p> <p>Providing the pressure grouting with nozzels construction treatment - loose conceret area drilling the holes provide PVC pipe nozzles and pressure injuction grouting of polymer modified cement slurry (using the material FOSROC MATERIAL)</p>			1 No (One Number)	

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
25	243.6.8		Water wash the surface and keep the surface wet and there should not be water stagnation slabwall area. Mix the part A and B of the Elestromatic cementations water proofing membrance mechanically using an electircally operated mixing machine fitted with mixing paddle, apply the mixing materials using a good quality brush as first coat. Wait for a minimum period of 4 to 6 hours and mix the materials as explained above and apply second coat right angle to the direction of the first coat. Allow the system to dry and cure the same for a minimum period of 3 days.including cost of materials and labour charges , hire charges for tools and plants and scaffolding etc., all complete and as directed by the departmental officers			1m ² (One Square metre)	
26	243.6.9		Providing tiles pointing on Existing toilet or bath floor surface will be thoroughly cleaned by acid wash ,the open area between the tiles will be pointed using tile grout or fosroc / equivalent including cost of grout and labour charges etc., all complete and as directed by the departmental officers.			1m ² (One Square metre)	
27	504.6		Supplying, laying and jointing the following dia of UPVC Pipes of schedule 40 with ISI mark of best approved quality including cost of suitable UPVC specials and labour charges for cutting, threading jointing the pipes wherever necessary wrapping the pipes with taflon tape and fixing the same with clamps and screws on walls etc. all complete complying with relevant standard specifications and as directed by the departmental officers. (above ground level)				
			a) 32mm dia			1 RMT (One Running Metre)	

SL. NO	ITEM NO.	QTY	DESCRIPTION OF WORK	TNBP NO.	RATE IN FIG. AND IN WORDS	UNIT IN FIG. AND IN WORDS	AMOUNT
1	2	3	4	5	6	7	8
28	707.2.1		Supply and laying of PVC insulated and sheathed 3 core 16 sq.mm flat type copper cable confirming to IS 694/1990,cable for submersible motor etc., all complete and as directed by the departmental officers. (The materials should be got approved from the EE before use)			1 Rmt (One Running Meter)	

TAMIL NADU POLICE HOUSING CORPORATION LTD.,
No.132, E.V.R. Salai, (Poonamallee High Road), Kilpauk, Chennai - 600 010.

SCHEDULE 'B'

Name of work : Rectification works in the 166 Nos. of DSP, 1190 Nos. of Ins / SI & 1317 Nos. of PC/HC houses in Melakottaiyur in Chengalpattu District under "Own Your House" Scheme.

Note : The attested copies as a proof of registration with upto date renewal, solvency with encumbrance certificate, Current Income Tax, sales tax verification certificate, GST Registration Certificate, performance certificate ets., shall be enclosed.

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Sl. No.	Drawing No.	Description	Remarks
1.		Layout	<p>Note: (i) All drawings to be signed by the contractor as well as the officer entering contract.</p> <p>(ii) All drawings can be seen in Division Office</p>

CONTRACTOR NO. OF CORRECTIONS SUPERINTENDING ENGINEER /C.C.

Schedule 'C'**Additional Specifications**

1. The Contractor shall make his own arrangements for clean, fresh water for use on the work and shall meet all charges therefor.
2. All iron work or steel work of everykind, except such as is to be embedded in cement concrete shall immediately on arrival at the site be properly scrapped and wire brushed and given a priming coat of redlead paint without claim for extra.
3. The Teak Wood shall be of best Indian Wood only and the country wood shall be species like Pillamardu or Kariamarudhu only and shall be subject to inspection and approval by the Executive Engineer before use on work.
4. Holes and chasis for electric wiring, water supply, drainage etc., shall be provided as directed during the progress of work without claiming any extra charges.
5. All external corners, edges of beams, edges of door and window openings etc., shall be finished with chamber and also truly vertical or horizontal as the case may be. The rate of plastering shall include the cost of finishing as above. No extra for finishing the corners, edges etc., will be paid.
6. The arrangements for MS rods for reinforcement for each RCC work shall be in accordance with the working drawings supplied.
7. The planks for forms and centering for RCC work shall be of well seasoned timber approved by the Executive Engineer according to sub clause 10 of T.N.B.P. No. 30. They must be made smooth and perfectly level at top so as to give a smooth and even finish to the R.C.C. Ceiling. Alternatively, the contractor may use steel sheets over wooden frame provided, the required finish to the underside of the slabs is obtained. Mango planks shall not be used under any circumstances. Centering and form works shall be provided to the extent and area ordered by the Executive Engineer during the execution. Finishing shall be done as per sub-clause 15 of TNBP No. 30.
8. All cement concrete for RCC works shall be machine mixed and vibrated
9. All lime mortar shall be grinded in a mortar mill as per TNBP.
10. The rates for brick work in all the floors includes the labour charges for fixing the frames of doors and windows and fixing G.I. pipes outlets for windows as per sub-clause 14 of TNBP No.31.
11. The rate for plastering includes providing cornice, band cornice, ceiling cornice and skirting wherever necessary as directed by the Department officers.
12. It is not obligatory to supply any materials (Controlled or non-controlled) required for the constructions. The contractor is expected to make his own arrangements. The quality of these materials should confirm with the specification given in ISI. Ordinary Portland Cement 43 Grade grey colour SRC if necessary based on site condition (without any extra cost) confirming to IS Specification should be used. Steel rods should also confirming to ISI.
13. Steel rods should be cut and placed as reinforcement with proper anchorage to the available rods at site so as to ensure the minimum wastage possible.
14. The cement brought by the contractor for use should carefully stacked in approved stores and on works as and when required the proper care so as to ensure the minimum wastage possible.

15. All the dismantled work should be made good plastered and cement painted to match the original surface.
16. For all RCC works the rate shall include the treatment of bearings as per plan of TNBP. No extra payment will be made.
17. If the rates are not separately called for, similar items of works in different floors, the contractor should quote, one rate applicable for all the floors indicated in the detailed plans, any claims for extra rates for such items floorwise will not be entertained under any circumstances.
18. The contractor should not employ the labour below the age of adults.
19. If night work required to fulfill the agreed rates of progress, all arrangement shall be made by the contractor inclusive of lighting without any claim for extra rate.
20. Rates :- The tenderer shall quote their rates for the finished item of work only as given in the schedule it shall be clearly understood that no increase in the rates tendered for will be permissible on any account after the tenders are accepted.
21. The tenderer should fill up the Amount for each item in the Amount Column as well as total amount in the coding sheet without fail. Otherwise the tender will not be taken comparison.
22. The rate for all the items shall be quoted for in the metric units.
23. The tenderer shall examine closely the General conditions of contract of the Tamil Nadu Building Practice and sign the copy kept in the office into taken of such study before submitting his tender. Unit rates which shall be for finished work in site.
24. The electrical works should be executed by a person or firm holding 'A' grade or 'B' grade licence issued by Licensing Board and Government of Tamil Nadu.
25. Once the offer of the tenderer is accepted by the TNPHC, if either the tenderers choose to withdraw this tender or for any reason refused to execute the agreement and comply with the terms of the tender and agreement, the amount deposited by the tenderer towards the EMD/SD and A.S.D. (with GST) shall be forfeited and tenderer shall not be entitled to refund the same.
26. The contractor should take risk insurance against fire, other usual risk for all or any loss or damages occasioned by or arising out of acts of God, and in particular un preceded flood, volcanic eruption, earthquake or other convulsion of nature, invasion, the act of foreign enemies, hostilities or warlike operations (before or after declaration of war) rebellion, military or usurped power, such policy should cover the construction period against the risk by the construction at his / their own cost and produce to the concerned Executive Engineer / Superintending Engineer within one month from the date of execution of the agreement failing which the TNPHC shall be entitled to take out what ever policy as may be required to cover those eventualities and to effect recovery towards the cost of such policies from the contractor's payments with a penalty of 50% on the cost of such policies.
27. Water closet, basins, urinals, sinks and other sanitary ware shall be of approved make as required in the relevant items. The fixing of these should be in accordance with the special specifications after the completion of the work.
28. The clamps of G.I. pipes fittings should not be spaced more than 6' part from the wooden plug for pipe and bracket fittings should be properly fixed in C.M. 1:3 in holes made in and not hammered into the walls. The size of plugs should be not less than 1" square at this end and at the other end with the depth of not less than 3".
29. The contractor should procure approved quality of paint only in containers. The above container should be used in the present of the Assistant Executive Engineer and got approved before use. On any account paint in other than original container will not be allowed for use.

30. Recovery under Revenue recovery Act: Whenever any amount has to be paid by the contractor in lieu of determination of the contract by virtue of clause 57.4 (TNBP) for any amount that may be due or may become due from the contractor under the present and the contractor is not responding to the demand for the payments of the said amount, then the TNPHC Ltd. shall be entitled to recover the said amount under the provisions of the Tamil Nadu Revenue Recovery Act,.
31. The contractor is bound by all the condition of clauses of standard General condition of contract as amended time to time if is the course the contract, any G.O. is issued introducing new condition or clauses (for PWD / Other department), Supplemental Agreement must be executed by the contractor for implementing the condition.
32. Any extension of time may not be granted by the authority unless the delay is caused by the Department.
33. In the event of the work transferred to any other unit Division the Executive Engineer / Assistant Executive Engineer who is incharge of the units / Divisions/ Sub - Divisions having jurisdiction over the above shall be competent authority to exercise all the powers and privilege of TNPHC and to act on behalf of TNPHC.
34. The contractor shall form his own approach road to the work sites for which no extra will be due to him. On completion of work the contractor shall not be permitted to remove the materials laid for the formation of road. If the contractor is allowed to use the existing roads, he shall maintain them in good condition on at his own cost throughout the period of contract.
35. The work should be executed in accordance with the circular instruction of the Chief Engineer issued time to time. Copy of the circular instruction can be perused in the department office during office hours.
36. During the course of contract period deductions of Income Tax shall be made as per the provisions of the Income Tax Act amended from time to time as applicable.
37. Royalty / seigniorage charges due for use of any quarry land shall be paid by the contractor.
38. The contractor should be responsible for the safe custody storage of materials under dry conditions at the place of work spot approved by the Executive Engineer.
39. The contractor should abide by the contractor's labour regulation of PWD framed by Tamil Nadu.
40. Impounding minimum 10 cm of water over roofs for 48 hours before laying the weathering course and pressed tiles to check the water tightness.
41. Xerox copy of the certificate for the technical personnels to be enclosed along with the tender.
42. Action against the contractors who have participated in the earlier tenders but failed to execute the agreement on some pretext after receipt of the work order will be taken as per the G.O. in force.
43. No tenderer is permitted to withdraw his / her / their tender at any stage. If any tenderer withdraws his / her / their offer with in the tender validity period his / her / their EMD / SD (with GST) shall be forfeited and his / her / their name(s) will be noted for blacklisting.
44. The contractors those who have got registered their names in TNPHC Ltd (or) PWD in the appropriate class and monetary limit with upto date renewal, are eligible to participate in the tender and they are requested to produce the latest registration copy issued by the department concerned. The contractors those who have carried out such type of similar works are most preferable.
45. Income Tax return Certificate (2020-21 / 2021-22).
46. Sales tax verification certificate (2016-17). The total Annual turnover amount, Tax paid and other details should be covered in the Sales tax verification certificate. Otherwise the Sales tax verification certificate will not be considered and such tender shall be rejected summarily.
47. Revenue solvency issued by the Tahsildar with upto date EC should be uploaded. The details of Survey number, area etc., of the property mentioned in the solvency certificate and Encumbrance certificate should be tallied. If any discrepancies, the same will not be considered. Encumbrance certificate should be obtained from the date of solvency certificate issued by the Tahsildar, on or after the date of tender notice of the respective works. EC should be free from Encumbrance. If EC is obtained from the Government website, the same also be considered.
48. Incase the tender is made by an individual, the tender documents shall be signed by the individual with his name and address and submit along with a copy of (duly attested by Notary public / Gazatted officer) proper contractor registration certificate

49. Incase the tender is made by registered firm, it shall be signed by the Managing Partner (or) the person authorized by the firm, with full name of the firm and address. The proof shall be submitted along with the copy of partnership deed and current renewal for firm registration. i.e., Form 'C' obtained from registrar of firms with proof of renewal (Copies should be duly attested by Notary/Gazatted officer).
50. Incase the tender is made by a limited company or a limited corporation, it shall be signed by a duly authorized person holding the power of attorney for signing the tender in which case a certified copy of the power of attorney shall accompany the tender. The Articles of Memorandum of the Company and profile of the company with company incorporation certificate copies with seal (duly attested by Notary or a Gazatted Officer) shall be submitted along with his / their tender.
51. Incase a tenderer, tendered in the Name and Style of Proprietorship concern the tenderer should have registered his firm name in the respective registrar office and enclose the copy of Proprietorship Deed (duly attested by the Notary / Gazatted Officer) along with the tender. The sole proprior alone should sign in the tender documents.
52. The performance Certificate in having satisfactorily executed and completed building works / related works (The completed value shall be more than 50% of the value of the contract put to tender (with GST) in a single contract) directly issued by the concerned organization during past five years. The evidence for the same should be produced from an officer not less than the rank of the Superintending Engineer of the Government or Government undertakings / Responsible person of the Private organizations. Incase of contractors who have executed works in TNPSC Ltd, the satisfactory performance certificate in the prescribed format from the Superintending Engineer concerned of TNPSC Ltd, should be furnished.
53. The contractor should submit the TDS certificate issued by the Income Tax Department for the private work experience.
54. The Private experience should be supported along with TDS statement (i.e., Form 16A & Form 26AS).
55. The tenderer should sign all the pages of the tender schedule without fail. Otherwise, the tender will be summarily rejected.
56. The copies of credentials, documents, should be got attested by Notary Public / Gazatted officer of state or Central Government.
57. EMD exemption is not entertained vide G.O Ms.No.270 Finance (salaries) department dated .19.09.2017.
58. The tenderer should be registered with GST.
59. The total value of a contract / Service which exceeds Rs.2.50 Lakhs, 2% GST TAX at source will be deducted. (1% CGST & 1% SGST) as applicable from time to time in addition to 1% or 2% of TDS as per IT act.

SCHEDULE 'D'

Applicable to all cases of work where a minimum of fifty workers are employed except works relating to roads, Channels and Canals.

For the provision of health and sanitary arrangements for workers:

The Contractor's special attention is invited to clauses to the General conditions of contract of Tamil Nadu Building Practice and he is requested to provide at his own expense the following amenities to the satisfaction of the Chief Engineer.

1. First Aid:

At the work site there shall be maintained in a readily accessible place, first aid appliances and medicines including adequate supply of sterilised dressings and sterilised cotton wool. The appliances shall be kept in good order. They shall be placed under the charge of the responsible person who shall be readily available during working hours.

2. Drinking Water:

- a. Water of good quality fit for drinking purposes shall be provided for the work people on a scale of not less than 15 litres per head per day.
- b. Where drinking water is obtained from an intermittent public water supply, each work place shall be provided with storage tank where such drinking water shall be stored.
- c. Every water supply storage shall be at a distance of not less than 15 metres from any latrine drain or other source of Pollution. Where water has to be drawn from an existing well which is within such proximity of latrine, drain or any other source of pollution the well shall be properly chlorinated before water is drawn from it for drinking. All such wells shall be entirely closed it and to be provided with a trap door which shall be dust and water proof.
- d. A reliable pump shall be fitted each covered well, the trap door shall be kept locked and opened only for cleaning or inspection which shall be done atleast once a month.

3. Latrines and Urinals:

There shall be provided within the precincts of every work place latrines and urinals in an accessible place and the accommodation separately for each of them, shall be on the following scale or on the same as directed by the Executive Engineer in any particular case.

	Seats
i. Where the number of person employed does not exceed 50 persons	2 nos
ii. Where the number of persons employed exceed 50 but does not exceeds 100	3 nos
iii. For every additional 100	3 nos

If women are employed separate latrines and urinals screened from those for men shall be provided on the same scale.

Except in work places provided with water flushed latrines connected with a water store sewage system all latrines shall be provided with receipt table on dry earth system which shall be cleaned atleast four times daily and atleast twice during working hours and kept in a strictly sanitary conditions. The receptance shall be tarred inside and outside atleast once a year.

4. Washing and Bathing places:

Adequate washing and bathing places shall be provided separately for men and women, such places shall be kept in clean and drained condition. Bathing or washing should not be allowed in or near any drinking water well.

The excreta from the latrines shall be disposed off at the contractor's expense to the out way pits approved by the local public health authority. The contractor shall also employ adequate number of scavengers and conservancy staff to keep the latrines and urinals in a clean condition.

5. Sheds During Rest:

At the work site there shall be provided free of cost two suitable sheds one for male and the other for female for rest fit for the use of labourers.

6. At every work place at which 50 or more women workers are ordinarily employed there shall be provided two huts of suitable size for the use of children under age of 6 years belonging to such women. One hut shall be used for infants games and play and the other as their shed room. The huts shall not be constructed on a lower standard than following.

- i. Thatched roofs
- ii. Mud floors and walls
- iii. Planks spread over the mud floor and covered with matting.

The use of the huts shall be restricted to children, their attendants and mothers of the children.

7. Canteen:

A cooked food canteen on a moderate scale be provided for the benefits of workers if it is considered expedient.

8. Shed for Women:

The contractor should provide at his expense shed for housing his workman. The shed shall be on a standard not less than the cheap shelter type to live in which the work people in the locality are accustomed to. A foot area of about 6'x5' for 2 persons shall be provided. The sheds are to be in rows with 5 feet clear space between rows if conditions could permit. The work people shall be laid out in units of 400 persons each. Each unit to have a clear space of 12m around.

TAMIL NADU POLICE HOUSING CORPORATION LTD.,
ADDITIONAL CONDITIONS OF TENDER AND AGREEMENT

1. Once the offer of the tender is accepted by the Corporation, if either the tenderer chooses to withdraw his tender or any reason refused to execute the agreement and comply with the terms of the tender and Agreement the amount deposited by the tenderer towards EMD/SD and ASD (with GST) shall be forfeited and the tenderer shall not be entitled for the refund for the same.
2. The contractor/contractors shall take risk insurance at his/their own cost against losses due to floods and other acts of God. No claim from the Contractor shall be entertained by the department for such losses.
3.
 - i) Earnest Money Deposit (with GST) : 1% (one) upto Rs.20.00 lakhs of estimate value plus 1/2% (half) of the amount by which the estimated value exceeds Rs. 20.00 lakhs
 - ii) Security Deposit (with GST) : Will be 2% (two) of the contract value minus the E.M.D. already remitted along with the tender
 - ii) Retention Money Deposit (with GST) : At 5% (five) shall be recovered from the each bill based on the value of work done by the contractors.
4. a 50% of retention money deposit (with GST) amount recovered from the bills would be paid to the contractor along with final bill
 b. The E.M.D., SD and A.S.D. (with GST) shall be released only after the expiry of six months from the date of completion of work
 c. Balance 50% of RMD (with GST) will be released after expiry of one year from the date of completion of work for which the contractor has to give a written under taking in the form of an indemnity bond for further period of 4 years (As per G.O.Ms.No.283 Public Works (G2) Dept, Dt : 21.05.1999).
5. The total value of a contract / Service which exceeds Rs.2.50 Lakhs, 2% GST TAX at source will be deducted. (1% CGST & 1% SGST) as applicable from time to time in addition to 1% or 2% of TDS as per IT act.
6. The tenderer shall quote the rates and prices (both in figures and words) for all the items of the works described in the Bill of Quantities excluding GST.
7. Government of India has notified vide Notification No.20/2017- Central Tax (Rate), dated 22nd August, 2017 and Notification No.24/2017- Central Tax (Rate), dated 21st September, 2017, the concessional rate of the Goods and Services Tax (GST) at 12% [CGST at 6% + SGST at 6%] is leviable for any Government contract, Whether Civil or Electrical, irrespective of the Goods and Services Tax (GST) rate applicable on purchase of goods used in the execution of Government Contract. And the GST amount will be calculated at 12% from the sum of total tendered value quoted by the tenderer for construction cost (excluding GST) specified in the BOQ, subject to GST rate applicable from time to time as recommended by the GST Council.
8. All duties, taxes, and other levies except GST, payable by the contractor under the contract, or for any other cause shall be included in the rates, prices and total Bid Price submitted by the Bidder.
9. The Contractor should be required to indicate their GST registration number under the Goods and Services Tax (GST) Act 2017 in the tender form. The Central Goods and Services (CGST) Act 2017, the Integrated Goods and Services (IGST) Act 2017 and the Tamil Nadu Goods and Services (TNGST) Act 2017 have been enacted and enforced from 01.07.2017. Under the new tax regime, GST (comprising CGST, SGST and IGST) on works contracts for Government work was finally notified at 12 percent. As per the Tamil Nadu Goods and Services (TNGST) Act 2017, with effect from 01.07.2017.
10. In the case of disputes for claims upto Rs. 50,000 /- the Chief Engineer, Tamil Nadu Police Housing Corporation Limited, shall be final deciding authority. In case of claims exceeds Rs. 50,000/- it should be referred to court of Law in Tamil Nadu.

11. If the contractor quotes unworkable rates in the tender, special additional security deposit will be levied at the discretion of the Chief Engineer, Tamil Nadu Police Housing Corporation apart from usual deposits.
12. The contractors / tenderers who are covered under the Employees Provident fund and Miscellaneous Provision Act 1952 shall produce the Code No. (Regn.No) of their establishment. If the contractors are not covered under the above said Act, they shall furnish a declaration to that fact.

It is obligatory on the part of the contractor to recover the Employees Provident Fund Subscription from the Employees who work under them/him/her and remit to the Regional Provident Fund Commissioner.
13. Further, if any modifications or amendments are issued by the concerned department / Government from time to time, the same is applicable as and when such orders are issued. The contractors should be aware of the rules stipulated on this by the concerned department / Government.
14. All the dismantled work should be made good to match the original surface.
15. The contractor shall make use of kiln burnt ground moulded country bricks/stock bricks of clear designation so having average compressive strength of 35 kg/cm² for country bricks and 50 kg/cm² for chamber Burnt / stock bricks.
16. The testing shall be done by the contractor at his own cost for all the building materials such as cement, sand, bricks, steel, pressed tiles, water, etc., & the finished products like concrete cubes. Every consignment of cement and steel supply should be tested for quality at contractors own cost.
17. On evaluation of tender, if it is found that if the overall quoted amount of the tender is less than 5 to 15% of the value put to tender, the contractor shall pay an additional security deposit at 2% of the estimate value put to tender. If the tender discount exceeds 15% the contractor shall pay an additional security deposit of 50% of the difference between the quoted amount and estimate amount by means of Demand Draft / Pay Order / Banker's Cheque from any one of the Nationalized bank / Scheduled bank in favour of the Executive Engineer Concerned / NSC / KVP should be pledged in favour of the respective the Executive Engineers.. Failure to furnish the additional security deposit within 15 days from the date of receipt of acceptance order and execute the agreement shall entail cancellation of award of contract with forfeiture of EMD furnished.
18. The Contractor shall make their own arrangements for the levelling instruments at site of work.
19. It is obligatory on the part of the successful tenderer that they should upgrade their registration in the appropriate class from the department where they have registered as registered contractor as per rules inforce before concluding the agreement.
20. The tenderer/contractor will make his/her/their own arrangements to procure and use ISI Brand cement and steel required for the work.
21. It should be clearly understood that the rate quoted by the tenderer / contractor is inclusive of the cost of 43 grade ordinary portland cement / SRC and steel and other incidental charges such as conveyance, loading, unloading, stacking at site and testing charges etc., complete.
22. The tenderer / contractor will produce test certificate obtained from any one of the Govt. institutions for cement and steel brought to site. As and when required by the Department the cement and steel brought to the site shall be tested by the Department from any one of the approved Govt. institutions and only when the test results confirm to the ISI specification they will be allowed to be used in the works
23. The tender shall be valid for a period of 90 days from the date of opening of tender.
24. Every tenderer is expected, before quoting his rates to inspect the site of proposed work. He should also inspect quarries, and satisfy himself about the quality and availability of materials such as Bricks, Sand & HBS jelly etc. The best class of materials shall be allowed to use on the work. In every case the materials must comply with the relevant standard specifications. Samples of materials called for in standard specifications, or in this tender notice or as required by the Executive Engineer in any case shall be submitted for the Executive Engineer 's approval before the supply to the site of work is began. Accordingly the tenderers are requested to quote there own workable rates.
25. The Tamil Nadu Police Housing Corporation Limited will not however after acceptance of contract rate pay any extra charges for lead or for any other reasons in case the contractors is found later on to have misjudged the materials available. Attention of the contractor is direct to the General conditions of the contract regarding payment of seigniorages tolls etc. subject to price adjustment clause provided for in this tender schedule.

26. Tenderer's representative participating in tender opening should produce the authentication letter from the tenderer on the date and time of opening of tender.

27. Tenders from joint ventures will not be considered.

28. All xerox copies of the documents enclosed with tender should be got attested from the notary public/Gazatted officer.

29. **Insurance :**

The contractor should insure the construction workers employed by them for an amount fixed by the respective department / State Government / Central Government / Honorable Court of Law with modifications and amendments if issued from time to time at the own cost of the contractor.

30. **Condition for Engaging the migrated interstate workers in the Construction work site by the Contractors in the Construction work site:**

- a. The Contractor should take the labour insurance for the construction workers employed by them as per the statutory Government norms.
- b. The contractor should have the labour license while engaging more than 20 Labours.
- c. The contractor should also have all the details of labours engaged by them like Aadhar card, Photos etc., and the same should be handed over to the local Police Station to avoid the difficulties and problem facing the unpleasant issues in the site like group clash among the construction workers / life loss / any legal problem rising with the labours.
- d. The contractor should engage the watch and ward during the night time in the construction work site without fail so as to maintain the safety of the labours.

TAMIL NADU POLICE HOUSING CORPORATION LTD.

PRICE ADJUSTMENT CLAUSE

Contract price shall be adjusted for increase or decrease in rates for select critical construction inputs namely cement, steel and POL in accordance with the following principles and procedures and as per formula given below and will be operated by the respective Executive Engineers.

- A. Price adjustment will apply only when the fluctuations of rates exceeds by 3% compared to the estimate rates (RBI Index).
- B. The price adjustment shall apply for the work done from the start date upto end of the initial Intended completion date or extended period by the Executive Engineer and shall not apply to the work carried out beyond the stipulated time for reasons attributable to the contractor.
- C. The price adjustment shall be determined during each quarter of the calendar year for the purpose of calculation of price adjustment in respect of cement and steel.
- D. In respect of POL it may be considered on PASS through basis with payment of actual rates / price at the rates charged by IOC.
- E. All works for which price escalation is contemplated must have miles stones fixed in physical terms and have a prefixed timeline for usage of inputs which would clearly stipulate the nature and quantum of cement, steel and other inputs which would be utilized for the work in each time period between two milestones. Escalation will be given only for those quantities which would have been used had the contractors stuck to this original timeline. However if the contractor does a certain quantity of the work in the third quarter which he should have done in the second quarter he can still claim escalation on that quantity at the rates as applicable in the second quarter if the reason for executing the same in the third quarter is attributable to the contractor.

F. The formula for adjustment of prices are

R= Value of work during the quarter under consideration.

i. Adjustment of cement component

Price adjustment for increase or decrease in the cost of cement procured by the contractor shall be paid in accordance with the following formula if this component is involved in the work executed during the quarter under consideration.

$$V_c = 0.85 \times P_c / 100 \times R \times (C_1 - C_0) / C_0$$

V_c = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates of cement.

C_0 = The RBI index for cement for the quarter during the date of opening of tenders

C_1 = The RBI index for cement for the quarter under consideration

P_c = Percentage for the cement component of the work

ii. Adjustment of Steel component

Price adjustment for increase or decrease in the cost of steel procured by the contractor shall be paid in accordance with the following formula if this component is involved in the work executed during the quarter under consideration.

$$V_s = 0.85 \times P_s / 100 \times R \times (S_1 - S_0) / S_0$$

V_s = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates of steel.

S_0 = The RBI index for steel for the quarter during the date of opening of tenders

S_1 = The RBI index for steel for the quarter under consideration

P_s = Percentage for the steel component of the work

The following percentages will govern the price adjustment for the entire contract.

a. Cement - P_c - 1.04 %

b. Steel - P_s - 2.17 %

- G. Liquidated damages will be imposed on the contractor for the lapses / shortfall in achieving the rate of progress as per existing schedule.

If the CONTRACTOR fails to maintain the stipulated time of completion specified, he shall be liable to pay liquidated damages as setout in ADDITIONAL CONDITIONS OF TENDER AND AGREEMENT. It shall be clearly understood that failure to meet the completion dates and or slow progress of work shall also attract penalty as per General Conditions of Contract in Tamil Nadu Building Practice (TNBP).

BONUS FOR ADVANCE COMPLETION OF WORK

Bonus as an incentive for advance completion of work may be introduced. If the work completed in advance by not less than 10% of agreement period can be considered and bonus for 1% on the value of actual quantum of works executed at tendered rate may be paid.

SPECIAL CONDITIONS FOR SENDING THE CEMENT CONCRETE CUBES FOR TESTING

The contractor should make arrangements for getting mould to the site for casting of cubes for testing of concrete strength.

1. Mould : The concrete mould' should be as per IS Specification (IS-516-1959) the details of which are as follows :

The mould shall be of metal, preferably steel or cast iron, and stout enough to prevent distortion. It shall be constructed in such a manner as to facilitate the removal of the moulded specimen without damage and shall be so machined that when it is assembled ready for use, the dimensions and internal faces shall be accurate within following limits.

The height of the mould and the distance between opposite faces shall be the specified size $\pm 0.2\text{mm}$. The angle between adjacent internal faces and top and bottom planes of the mould shall be $90^\circ \pm 0.50^\circ$. The interior faces of the mould shall be plane surface with a permissible variation of 0.03 mm. Each mould shall be provided with a metal base plate having a plane surface and to support the mould during the filling without leakage and it shall be preferably attached to the mould by springs for screws.

The interior surfaces of the mould shall be thinly coated with mould oil to prevent adhesion of the concrete.

2. Compacting : The concrete shall be filled into the mould in layers approximately 5 cm. deep. Each layer shall be compacted either by hand or by vibration as described below (as per ISI)

When compacting by hand, the standard tamping bar shall be used and the strokes of the bar shall be distributed in a uniform manner over the cross section of the mould as prescribed in I.S.I. and for cubical specimen in no case, shall be concrete be subjected to less than 35 strokes per layer for 15 cm cubes (as per I.S.I.)

When compacting by vibration each layer shall be vibrated by means of an electric or pneumatic hammer or vibrator (as per I.S.I.).

3. The concrete cubes shall be cured for 28 days and send on 29th day. If the day falls on a holiday the cubes shall be sent on the next working day.
4. All the charges connected with the cube testing etc. shall be borne by the contractor.

**Quality Plan for Material, Testing (Revision -3)
Laboratory Tests for Building Materials**

Procedure for Quality Plan for Material Testing					Doc. No. Issue No. Date of Issue Page	Rev. / (00/01) 3 of 1 Record Reference
Sl. No	Material to be Tested	Sampling	Name of test	Permissible Limits	Standards	
1	Water	Lab Test: Local Source - Once in Three months Out source - Once in a month	a) To Neutralize 100 ml of water using Phenolphthalein as an indicator (Acidity).	Not more than 5 ml (or 50 mg/Lit) of 0.02 normal NaOH	IS 456-2000 Clause 5.4	ST/RG/01
			b) To Neutralize 100 ml of water using mixed indicator (Alkalinity)	Not more than 25 ml (or 250 mg/Lit) of 0.02 normal H ₂ SO ₄		
			c) Solids: (i) Total Dissolved Solids	3000 mg/Lit		
			(ii) Sulphates (as SO ₄)	400 mg/Lit		
			(iii) Chlorides (as Cl)	2000 mg/Lit for Concrete not containing embedded steel and 500 mg/Lit for Reinforced Concrete work.		
			(iv) Suspended Matter	2000 mg/Lit		
			d) pH value	Not less than 6		
2	Cement (43 Grade)	Field Test: (Using Litmus Paper) Local Source - Once in Fortnight Out Source - For each Load (Lorry Load) One test for Every 300 Tonnes of single Brand (Test to be done, if there is change in Brand)	a) pH value	Not less than 6	IS 269-2015	Field Observation Register ST/RG/01
			a) Initial setting Time	Not less than 30 minutes		
			b) Final setting Time	Not more than 600 minutes		
			c) Fineness of Cement			
			i) By Permeability Method	Not less than 225 m ² /Kg		
			(or)			
			ii) By Standard Sieve Test	Retained not more than 10%		
			d) Soundness of Cement			
			i) By Le Chatelier Method	Expansion not more than 10 mm		
			(or)			
			ii) By Auto Clave Test	0.80%		
			e) Compressive Strength of C.M (1:3) Cube			
			i) 3 days (72 ± 1 hr)	Not less than 23 Mpa (or) 230 Kg/Cm ²		
			ii) 7 days (168 ± 2 hrs)	Not less than 33 Mpa (or) 330 Kg/Cm ²		
			iii) 28 days (672 ± 4 hrs)	Not less than 43 Mpa (or) 430 Kg/Cm ²		
3	Steel					
	a) Mild Steel (Grade I - Fe 250)	Each Load and Each Diameter (Min. 3 Samples)			IS 432 (Part-I) 1982	ST/RG/01
			a) Yield Stress	Min. 250 N/mm ² (Or) 25 Kg/mm ²		
			b) Elongation	Min 23.0%		
			c) Ultimate Tensile Stress	Min 410 N/mm ² (Or) 41 Kg/mm ²		

Procedure for Quality Plan for Material Testing					Doc.No Issue No Date of Issue Page	QC/QR/01 3 of 4 Record Reference
SL.No	Material to be Tested	Sampling	Name of test	Permissible Limits	Standards	
	b) High Strength Deformed Bars (Fe 415)	Each Load and Each Diameter (Min. 3 Samples)	a) 0.20% Proof Stress / Yield Stress b) Elongation c) Tensile Stress	Min. 415 N/mm ² (or) 41.50 Kg /mm ² Min 14.50% 10% More than the actual Proof stress. But not less than 465 N/mm ² (or) 48.50 Kg/ mm ²	IS 1786 - 2008	ST/RG/01
	C) High Strength Deformed Bars (Fe 500)	Each Load and Each Diameter (Min. 3 Samples)	a) 0.20% Proof Stress / Yield Stress b) Elongation c) Tensile Stress	Min. 500 N/mm ² (or) 50.0 Kg /mm ² Min. 12.0% 8% More than the actual 0.2 Percent Proof stress. But not less than 545 N/mm ² (or) 54.50 Kg/ mm ²	IS 1786 - 2008	ST/RG/01
4	Sand	Each Load	Clay, Fine silt and Fine Dust	Not more than 5% by Mass	IS 2116-1980	ST/RG/01
5	Coarse Aggregate	Every Quarry	a) Either Crushing Value (Or) Impact Value i) Crushing Value Aggregates used for concrete other than wearing surfaces. Aggregates used for concrete for wearing surfaces (Such as Roads, Pavements). (Or Alternatively) ii) Impact Value Aggregates used for concrete other than wearing surfaces Aggregates used for Concrete for wearing surfaces (Such as Roads, Pavements). b) Abrasion Value For Aggregates to be used in Concrete for wearing surfaces. For Aggregates to be used in other concrete	Not more than 45% Not more than 30% Not more than 45% by weight Not more than 30% by weight Not more than 30% Not more than 50%	IS 383-1970	ST/RG/01
6	Bricks	Lot Size - For Every One Lakh Bricks - (Number of Samples 20.Nos)	For Class 35 a) Compressive Strength b) Water Absorption c) Efflorescence For Class 50 a) Compressive Strength b) Water Absorption c) Efflorescence	Not Less than 35 Kg/cm ² (or) 3.50 N/mm ² Not more than 20% by Weight Rating not more than Moderate Not Less than 50 Kg/cm ² (or) 5.0 N/mm ² Not more than 20% by Weight Rating not more than Moderate	IS 1077-1992	ST/RG/01

Procedure for Quality Plan for Material Testing

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Reference

SL.No	Material to be Tested	Sampling	Name of test	Permissible Limits	Standards	Revised Reference
7	Fly Ash Brick	Lot Size - For Every One Lakh Bricks (Number of Samples 20 Nos)	For Class 100 a) Compressive Strength b) Water Absorption c) Efflorescence	Not Less than 100 Kgf/cm ² (or) 10.0 N/mm ² Not more than 20% by Weight Rating not more than Moderate	IS 12894 - 2002	ST/RG/01
8	Hydraulic pressed Tiles	One test for area upto 1999 sq.m and one additional test for every 1000 sq.m. and part thereof	a) Water Absorption b) Flexural Strength	Shall not exceed 15% Shall not be less than 20 Kg / cm ²	IS 2690 - 1993	ST/RG/01
9	Vitrified Tiles	One Test for an area upto 1999 sq.m and one additional test for every 1000sq.m. and part thereof.	Deviation percent in Length & Width (2 or 4 sides) Deviation percent in Thickness Maximum Deviation percent in Rectangularity Surface Flatness (Warpage) Water absorption percent by mass Modulus of rupture in N/mm ² Breaking Strength in, N Scratch hardness of surface (Mohs) Bulk density in (g/cc) Impact Resistance Chemical Properties / Resistance	±0.10 ±4.00 ±0.10 ±0.20 Average < 0.08 Individual max 1.0 Average 47, Individual 44.min > 7.5mm thickness, 1500 (Min) 6, Min 2.20 Min Required Required	IS 15622 - 2006	ST/RG/01
10	Electric Cable	One test for each Brand, each size	Conductor resistance at 20° C For 1.5 Sq.mm cable For 2.5 Sq.mm cable For 4.0 Sq.mm cable	Max. allowable limit 12.10 Ohm / Km Max. allowable limit 7.40 Ohm / Km Max. allowable limit 4.95 Ohm / Km	IS 664 - 1990	ST/RG/01
11	Wood	One sample for each work	Lab Test - Moisture Test Field Test - Visual observation	Not more than 12% Free from Rotten, unsound knots (or) knots in cluster	IS 287 - 1993 IS 3629 - 1960	ST/RG/01
12	Cube test in Lab	Compressive strength of 150mm Cube 1 to 5 m ³ - 1 set 6 to 15 m ³ - 2 sets 16 to 30 m ³ - 3 sets 31 to 50m ³ - 4 sets >50m ³ - 4 plus one for each add 50m ³ (1 set = 3 cubes) M20 (1:1.5:3) M25 (1:1:2) M30	7 days 28 days 7 days 28 days 7 days 28 days	Not less than 135 Kg / cm ² Not less than 200 Kg / cm ² Not less than 170 Kg / cm ² Not less than 250 Kg / cm ² Not less than 205 Kg / cm ² Not less than 300 Kg / cm ²	IS 456 - 2000	ST/RG/01
13	Slump test	Type of work	With vibration	Without vibration		ST/RG/01
	Slump test at site for all Reinforced concrete at regular intervals (Slump in mm)	Mass concrete, large section, roads and pavements	10 to 25	50 to 75		

Procedure for Quality Plan for Material Testing					Doc. No. Issue No. Date of Issue Page	of 1 Record Reference
Sl. No	Material to be Tested	Sampling	Number of test	Permissible Limits	Standards	
		ICC Foundation, substructures, thick walls and other heavy sections	20 to 50	30 to 115		
		Thin vertical sections such as walls, beams, columns with congested reinforcement	40 to 50	100 to 175		
		When using concrete Pump	80 to 100			
14	M-Sand				IS: 383-2016 (3 rd Revision) For Zone-II	
14.1	Test for Size and Grading of Aggregate		IS Sieve Size in mm		IS: 2386(Part-I)-1963	
		a)	10 mm	Shall be 100%		
		b)	4.75 mm	Shall be between 90 & 100%		
		c)	2.36 mm	Shall be between 75 & 100%		
		d)	1.18 mm	Shall be between 55 & 90%		
		e)	600 micron	Shall be between 35 & 59%		
		f)	300 micron	Shall be between 8 & 30%		
		g)	150 micron	Shall be between 0 & 10%		
14.2	Test for Specific Gravity			Shall be between 2.1 and 3.2		
14.3	Test for Water absorption, %			Shall not be more than 5%		
14.4	Test for Bulk density				IS: 2386(Part-III)-1963	
		a)	Bulk density in Kg/l-loose condition	Limit not specified		
		b)	Bulk density in Kg/l-compacted condition	Limit not specified		
14.5	Test for Deleterious Materials					
		a)	Coal and Lignite	Shall not be more than 1%		
		b)	Clay lumps	Shall not be more than 1%		
		c)	Material finer than 75 μ m IS sieve	Shall not be more than 10%		
		d)	Organic Impurities	Shall pass the test		
		e)	Silt content	Limit not specified		
14.6	Test for Soundness of Aggregate					
			% loss of weight of the material after 5 cycles when tested with Sodium sulphate solution.	Shall not be more than 10%		
14.7	Test for Total Alkali Content					
			Total alkali content as Na ₂ O equivalent Percent	Shall not be more than 0.3%		
14.8	Test for Sulphate content					
			Test for Sulphate content as SO ₃	Shall not be more than 0.5%		
14.9	Test for Acid Soluble Chloride content					
			Acid Chloride content Percent	Shall not be more than 0.04%		
14.10	Test for Alkali Aggregate reactivity					
			Acceleration Mortar bar Method			
			The Average expansion of accelerated mortar bar after 16 days of casting percentage	1. Expansions of <0.10% - Indicates Innocuous behavior of aggregate. 2. Expansions between 0.10 and 0.20% includes both Innocuous and deleterious aggregate. 3. Expansion >0.20% indicative of Potentially deleterious aggregate		
14.11	Test for Bulking of Sand percent				IS: 2386(Part-III)-1963	
			Bulking of sand Percent	Limit not specified		

CONDITIONS OF EMPLOYING TECHNICALLY QUALIFIED PERSON

Technical qualified man should be employed as follows

Sl.NO. (1)	Value of Contract (2)	Qualification and No. of Technical Assistants to be employed (3)
1.1	Upto 1 lakh	No Technical Assistant need be employed. However, if the officer who accepts the agreement, feels that the nature of work required a Technical Assistant conditions may be stipulated in the tender notice that one diploma holder in Civil Engineering or a retired Junior Engineer may be employed.
1.2.	Rs. 1 Lakh to Rs. 3 Lakhs	One Diploma holder in Civil Engineering or not less than one retired Junior Engineer.
1.3.	Rs. 3 Lakhs to Rs.10 Lakhs	One B.E., (Civil) or equivalent degree holder or not less than one retired sub-divisional officer (Assistant Executive Engineer or Assistant Divisional Engineer)
1.4.	Rs.10 Lakhs to Rs. 25 Lakhs	One B. E., (Civil) or equivalent degree holder with three years experience in Civil Engineering works not less than one retired sub-divisional Officer plus one Diploma holder in Civil Engineering.
1.5.	Rs. 25 Lakhs to Rs.50 Lakhs	<p>One B.E., (Civil) or equivalent degree holder with three years experience or not less than one retired sub-divisional officer (retired Assistant Executive Engineer) plus two Diploma holders in Civil or two retired Junior Engineers.</p> <p>ALTERNATIVE</p> <p>One B. E., (Civil) or equivalent degree holder with three years experience or not less than one retired Sub-Divisional Officer and one more B.E., (Civil) or equivalent degree holder.</p>
1.6.	Above Rs.50 Lakhs	To be examined in individual case depending on the nature of work and the technical skill involved and defined in the Tender Notice regarding the number of qualified technical person to be employed by the contractor.
2.	A penalty of Rs.500/- p.m. for Diploma holder and Rs.1,000/- p.m. for Degree holder be levied in case of default on the part of contractors in following the norms laid down above.	
3.	The employment of Technical Assistant could be based only on the value of contract. Engineers with Mechanical Engineering Qualification and retired from Civil Engineering department are also suitable to supervise the Civil Engineering works because of their experience in Civil Engineering field.	

** I am / we are professionally qualified and my/our qualifications are given below.

NAME	QUALIFICATION	EXPERIENCE
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I/we will employ the following technical staff for supervision the work and will see that one of them is, always at site during working hours personally checking all items of work that paying extra attention to such works is required special attention (e.g.) reinforcement concrete work.

Name of member of technical staff proposed to be employed	QUALIFICATION	EXPERIENCE
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In deciding the period of absence, the certificate from the Assistant Exe. Engineer in-charge of the work Counter signed by the Executive Engineer - incharge shall be taken as the conclusive evidence and I/we shall be bound by such a certificate.

**** Note :**

1. In case of contractor, who is professionally qualified is not in a position to remain always at the site of the work during working hours personally checking all items of work and paying extra attention to such works as may demand special attention. (e.g.) R.C. work etc., he should employ technically qualified men (as prescribed for the work)
2. The Tenderers should score out the last clause if they are themselves professionally qualified and undertake to employ technical staff under them.

TAMIL NADU POLICE HOUSING CORPORATION LTD.,

SPECIAL CONDITION FOR ELECTRICAL WORKS

1. The work shall be carried out in accordance with the General specification for electrical works and the code of practice for electrical wiring installation I.S. 732-1963 & I.S. 3043-1964 and as amended upto date. All installation shall comply with the requirements of Indian Electricity Rules 1956 & Act and I.S. Code amended upto date.
2. Approval of the Engineer in-charge shall be taken well in advance for all materials and brand of materials to be used on work by the contractors, based on the approved brand of materials list enclosed in the tender. The choice of brand of materials from the approved list is at the discretion of the Engineer-in-charge and his decision will be final. The Contractor is bound to use the brand of materials selected by the Engineer-in-charge.
3. Bad workmanship is liable to be rejected in to.
4. The contractor shall supply on completion of work completed plan along with insulation polarity and earth tests reports before the installation is handed over to the Engineer in-charge in good condition in triplicate. The tests should be carried out in the presence of Engineer in-charge at contractors cost.
5. All repairs and patch work shall be neatly carried out to match the original finish and to the entire satisfaction of Engineer-in-charge.
6. The contractor shall make his own arrangement at his own cost for all general T&P and spl. T&P required on the job.
7. The contractor shall make his own arrangements for storage of materials and watch and ward at his own cost, till the installation (completed work) is handed over to the Department after obtaining service connection from Electricity Board and testing the line. Any loss and tampering of materials for which the payment was made by the Department will be made good by the contractor at his own cost.
8. Issue of the materials to the contractor wherever stipulated will be regulated to the needs from time to time depending upon the progress.
9. Materials stipulated for issue shall be taken over to the site of work and the safe custody till completion of the job is the responsibility of the contractor.
10. All the debris due to electrical works shall be removed from site by the contractor as soon as the work is completed.
11. Electrical works shall be progressed by the Contractor side by side with the progress of the building work burying of conduits for recessed portion shall be planned together with the building progress so that there is no hindrance to the buildings progress at any stage.
12. The internal E.I. shall be ordinarily carried out according to the drawing supplied with the schedule of work subject to change made by the Engineer-in-charge.
13. The wiring route shall be marked at site first and get approval from the Engineer-in-charge before commencement of actual work. The work must be carried out as directed by Engineer-in-charge.
14. PVC wiring shall be neatly painted with two coats for non-cracking paint/distemper suitable for painting PVC wire and of suitable colour to match the surroundings as per the direction of Engineer-in-charge.
15. In place where electrical conduit is required to pass through wall/RCC column beam etc., the conduit shall be laid during the execution of work in consultation with the Engineer-in-charge so as to avoid the need for cutting the structure at the later date.

16. The T.W. materials such as fillets specials TW boxes and all materials shall be got approved from the Engineer-in-charge before use to ensure the quality of materials.
17. In the case of recessed conduit works, the MS boxes shall also be recessed and covered with 1/8" (3mm) hyleam/ Bakelite sheet. The thickness of MS sheet shall not be less than 3 mm thick.
18. Provision of fittings.
 - a. All switch Board shall be so placed that the bottom is normally 1.22 meter above floor level of such height as decided by the Engineer-in-charge.
 - b. All fittings shall be provided at 2.6 metre from the floor level or such height as decided by the Engineer in-charge.
 - c. The convenient 5/15 Amps. plug socket shall be 25cm. above the floor level or such height as decided by the Engineer in-charge.
 - d. Wiring shall run normally at 2.6 metre from the floor level or such height as decided by the Engineer in-charge.
19. The materials issued if any by the Department to the contractor, the cost will be recovered at the stores issue rate. If the contractor fails to return the surplus materials after completion of work, the cost will be recovered at double the stores issue rate or market rate whichever is higher.
20. Tools and plant General and Spl. as required on the work is to be arranged by the contractor at his own cost.
21. Brass tinned like/joint clips of 0.32 mm (30 gauge) thick upto 40mm length and 0.40 (28 gauge) thick above 40mm length and of width shall be used on the work.
22. Brass hinged brass hooks and eyes, single plank teak wood boards of 60mm minimum depth in case of open wiring and minimum depth of 100 mm in the case of concealed wiring and not less than 6.5 mm thickness shall be used to the works.
23. Fixing of wooden battens .
 - a. The Screws shall be used for fixing the wooden batten and accessories at an interval not exceeding 50cm. The thickness of batten shall be less than 10mm.
 - b. The clips are provided on the wooden batten with screws/pins and spaced at an interval of 15cm both in the case of horizontal and vertical run.
 - c. Round block shall not be less than 75mm dia and 40mm deep and fixed by means of 2 nos. of screws.
24. Piano type switches outlet of approved make wherever needed shall be used for recessed boards after getting the approval of Engineer in-charge
25. Only brass screws shall be used for fixing fittings switches plugs and sockets main boards and distribution board and T.W. accessories etc., required for the, wiring.
26. All conduit pipe shall be approved gauge (not less than 16 SWG : 14SWG) solid drawn of lap welded finished with galvanised stone enameled finished. The saddles used shall not be less than 24 guage upto 25mm dia pipes and not less than 20 gauge for inner dia pipes.
27. The main earthing shall not less than 8 SWG copper (4.06mm) in case of copper wire earthing or 6 SWG.GI wire (4.98mm) in case of G.I. wire earthing. Separate earthing shall be provided for all mountings of rain Boards, distribution boards, 5/ 15 ams. C.S. plug sockets with not less than 14 SWG of copper (2.03 mm)

28. Earthing shall confirm to relevant I.S. Code 3043-1966, the G.I. Pipe earth electrode system is adopted G.I. pipe shall be of medium class 38/40mm dia. 3.75 metres long. The electrode/ shall be buried in the ground vertically with its top not less than 20 cm. below ground level. Normally an earth electrode shall provide 1.5 metres away from any building. In case of providing twin earthing the distance between the earth pits shall be 10 feet. Alternate layers of charcoal or cock and seal of minimum 15 cm thick are to be provided from the bottom of earth pit upto 1 metre below ground level and the masonry work is to be carried out in brick with the cement mortar 1:4 above the last layer and the top is to be covered by Suitable cast iron frame and cover.
29. The staircase light point wiring must be done by looping or piece wire system and which must control phase or live wire only.
30. Looping in system is to be adopted for wiring. Normally the looping of neutral of light, fan, plug points etc. should be restricted to 3 points for a single wire from the switch board.
31. The wooden batten and specials shall not butt jointed and joints should be lap jointed.
32. The wiring must be done using bend and corners wherever necessary sharp bending or cable must be avoided.
33. The lighting circuit shall not have more than 10 point or a load of 800 watts whichever is less.
34. Power wiring shall be kept separate and distinct from the lighting wiring.
35. The contractor should be present at the premises at the times of effecting service connection by the Electricity Board authority and afford all facility for testing and commissioning the installation.
36. The contractor should provide sufficient leads for connecting the main switches to meters and cut out provided by the Electricity Board at his own cost.
37. The apartment main switches and the main switches at the Electricity Board service connection boards should be numbered in paint for easily identification and the danger boards should be provided wherever necessary according to I.E Rules and Act regulations.
38. Looping of neutral and connection wires in the switch boards must be carried out through mechanical connectors and proper insulation shall be provided inside the switch board wherever necessary to avoid short circuiting the system.
39. The scaffolding and the shed required for the electrical installation works should be put up by the contractor at his own cost.
40. The run of main relates to the mains run from the main switch provided inside the apartments to the main switch provided for service connection by the Electricity Board authorities. The Distribution Box used shall be metallic enclosed type with fuse unit and neutral link. The earthing for the, main switches provided in the service connection Board should be properly interconnected and connected to the main earthing system.

SPECIAL CONDITIONS FOR GOODS AND SERVICE TAX (GST)

1. Cost of Tender schedule for sale, includes applicable GST.
2. The amount of EMD inclusive of GST (Basic Rate + GST) will be calculated as 1% of the contract value of work put to tender for upto Rs.20.00 Lakhs plus 0.5% of the value of work put to tender for above Rs.20.00 Lakhs (Including the GST amount).
3. The tenderer shall quote the rates and prices (both in figures and words) for all the items of the works described in the Bill of Quantities excluding GST.
4. Government of India has notified vide Notification No.20/2017- Central Tax (Rate), dated 22nd August, 2017 and Notification No.24/2017- Central Tax (Rate), dated 21st September, 2017, the concessional rate of the Goods and Services Tax (GST) at 12% [CGST at 6% + SGST at 6%] is leviable for any Government contract, Whether Civil or Electrical, irrespective of the Goods and Services Tax (GST) rate applicable on purchase of goods used in the execution of Government Contract. **And the GST amount will be calculated at 12% from the sum of total tendered value quoted by the tenderer for construction cost (excluding GST) specified in the BOQ, subject to GST rate applicable from time to time as recommended by the GST Council.**
5. All duties, taxes, and other levies except GST, payable by the contractor under the contract, or for any other cause shall be included in the rates, prices and total Bid Price submitted by the Bidder.
6. As per Notification 202, dated 29.06.2017 and as per sub-section (2) of Section 7 of the Tamil Nadu Goods and Services Act, 2017, (Tamil Nadu Act 19 of 2017), activities or transactions undertaken by State Government shall be treated neither as supply of goods nor a supply of service.
7. As per Chapter IX (Section 41) of the Tamil Nadu Goods and Services Act, 2017, every registered persons may be entitled to take the credit of eligible input tax, as self-assessed, in his return and such amount shall be credited on a provisional basis to his electronic credit ledger.
8. As per PWD Revised SoR (2017-18), dated 21.10.2017, under General Note, 8 (ix), the Contractor is eligible to get refund of excess tax paid over or liable to pay tax for this Contract Work.
9. The total tender price will be the cumulative of value quoted for construction (Total Basic rate + GST) shall be substituted.
10. The security Deposit (with GST) of 2% (Two percentage) of the value of contract in one of the forms prescribed in TNPHC by taking into account of the amount of EMD already deposited with the tender, it would be sufficient to pay the balance amount to make up the 2% of the value of contract for the purpose of security deposit (Including of GST amount).
11. In addition to the aforesaid security Deposit, retention amount shall be deducted from the running account bills, a given equivalent to 5% (Fiver percentage) of the total value (Including the GST amount for all the running account Bill) of each bill as retention money.

12. Out of the 5% retention amount (with GST), 2½ % (Two and half percent) of the total value of the work so far executed will be released to the contractor on payment of final bill.
13. The balance 2½% will be retained for a period as per tender schedule reckoned from the date of completion of the work, as all defects shall have been made good according to the true intent and meaning hereof, whichever shall happen last.
14. The retention money of 2½% including GST (Two and a Half Percent) of the total value of contract after deducting any amount due to the Department, shall be refunded to the Bidder without interest after the defects liabilities attached to the contract is over".
15. Negotiation of rates will be made only with the lowest tenderer for reducing the quoted rates.
16. The lowest tenderer will be identified who quotes lowest total tender price which including GST as per the clause SI.No.9. The Negotiation of rates will be made only with the lowest tenderer for reducing the quoted rates and the negotiation will be made for the rates quoted to the items in the construction part alone and not for GST amount. After negotiation with lowest tenderer, the GST amount will be recalculated at 12% of the sum of the Negotiated tender value (excluding GST) for Construction Cost specified in the BOQ, subject to GST rate applicable from time to time as recommended by the GST council.
17. For every Bill, 12% of GST will be paid to the contractor based on the value of work done for Construction by the contractor. After the payment including 12% of GST, the Contractor should pay the GST Amount to Government through his GST Registration No. Also the contractor needs to submit the Material purchase bill mentioning the name of the works in the package and GST No. to the Department.
18. At the time of payment for first running account bill, the contractor should produce the GST paid details on goods (Materials) to the department along with Input Tax Credit (ITC).
19. At the time of payment for next running account bills, the contractor should produce the GST paid details of Services upto previous bill payment (i.e. GST paid detail for the previous work bill) along with Input Tax Credit (ITC) availed at the time of payment of intermediate bill to the department".
20. The contractor should produce the GST paid details for all the materials used for Construction work and GST paid details of services for the upto previous payment (i.e., GST paid detail for the upto previous work bill) to the department along with Input Tax Credit (ITC) availed at the time of payment of final bill to the department.
21. The final bill, the Goods and Services Tax (GST) amount retained in previous payment has to be released to the contractor without interest.
22. After receipt of final work bill payment for construction, the contractor shall furnish to the department, with the complete GST paid details along with Input Tax Credit (ITC) details within 3 months matched with GSTN (Goods and Service Tax Net work).

23. The rates tendered in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the Contract, including all Constructional plant, labour, supervision, materials, erection, maintenance, insurance, profit, taxes and duties (except GST), together with all general risks, liabilities and obligations set out in the Contract.
24. The Contractor should be required to indicate their GST registration number under the Goods and Services Tax (GST) Act 2017 in the tender form. The Central Goods and Services (CGST) Act 2017, the Integrated Goods and Services (IGST) Act 2017 and the Tamil Nadu Goods and Services (TNGST) Act 2017 have been enacted and enforced from 01.07.2017. Under the new tax regime, GST (comprising CGST, SGST and IGST) on works contracts for Government work was finally notified at 12 percent. As per the Tamil Nadu Goods and Services (TNGST) Act 2017, with effect from 01.07.2017.

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TENDER CODING SHEET (Rates to be filled up by the Tenderer in this coding sheet)

Name of Work: Rectification work in the 166 Nos of DSP ,1190 Nos of Ins/SI & 1317 Nos . Of PC/HC houses in melakottaiyur in Chengalpattu District under "Own your House" Scheme

S. No	Item no	DESCRIPTION	QTY	UNIT	Rate exclusive of GST in Figures and in Words	AMOUNT
1	7.2	Supplying and fixing of 20mm thick bituminous expansion joint filler pad	401.20	1 Sqm		
2	33	Plastering with CM 1:5 (One of cement and five of sand) 12mm thick finished with neat cement	354.00	1 Sqm		

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S. No	Item no	DESCRIPTION	QTY	UNIT	Rate exclusive of GST in Figures and in Words	AMOUNT
3	238	Applying one coat of Anticorrosive treatment on steel reinforcement rods	8.00	1 MT		
4	1.15	Annexure Hire charges for engaging JCB for removing the cable duct cover slab	10.00	1 Day		
5	7.4	Cleaning the Expansion joint treatment (30mmx15mm) provided at places using air blower	900.00	1 Rmt		

No	Item no	DESCRIPTION	QTY	UNIT	Rate exclusive of GST in Figures and in Words	AMOUNT
6	7.5	Supplying and fixing 300mm wide PVC EXPANSION JOINT in the 20mm expansion gap	590.00	1 Rmt		
7	8.2.4.1	Providing and laying in position, Standardised Concrete Mix M-25 Grade d. Second Floor	57.00	1 Cum		
8		g) Fifth Floor	23.00	1 Cum		

S. No	Item no	DESCRIPTION	QTY	UNIT	Rate exclusive of GST in Figures and in Words	AMOUNT
9	9.2.2	Brick work in C.M. 1:6 using chamber Burnt bricks of size 23 x 11.4 x 7.5cm (9" x 4 1/2"x 3") in Super structure FOR EXPANSION JOINT c) second floor	58.00	1 Cum		
10		F. fifth floor	24.00	1 Cum		
11	18.1	Providing Form work and centering for reinforced cement concrete works b.Plain surfaces such as Roof slab,floorslab,Beams,lintels,lofts,sill slab,staircase,portico slab and other similar works	442.50	1 Sqm		

No	Item no	DESCRIPTION	QTY	UNIT	Rate exclusive of GST in Figures and in Words	AMOUNT
12	38.5	Painting the old walls with two coats of matt - paint (weather coat) of approved brand over cement plastered wall surfaces	4968.00	1 Sqm		
13	43.1	Supplying, Fabricating and placing in position of mild steel grills / Ribbed Tor Steels (With out cement slurry)	8.00	1 MT		
14	102.2	Wirng with 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable with STAIRCASE LIGHT POINT FOR ADMINISTRATIVE BLOCKS AND COMMUNITY CENTRE controlled by 5 amps flush type switch (Open wiring)	210.00	1 No		

S. No	Item no	DESCRIPTION	QTY	UNIT	Rate exclusive of GST in Figures and in Words	AMOUNT
15	108.1.2	Replacement of Underground Utilities (GI Pipe) of following dia damaged during earthwork excavations for pipe laying works a) 65mm dia	70.50	1 Rmt		
16	151.3.1	Supplying and laying of following PVC armoured LTUG cable a)3.5core x120 sq.mm PVC armoured LTUG cable	205.00	1 Rmt		
17		b)3.5core x 240 sq.mm PVC armoured LTUG cable	350.00	1 Rmt		

No	Item no	DESCRIPTION	QTY	UNIT	Rate exclusive of GST in Figures and in Words	AMOUNT
18	209.6.1	Towards labour charges for cleaning the underground sump at seven stage cleaning process	1959000.00	1 Litre		
19	243.6.2	OUT SIDE:drilling the blocked existing toilet out side pipe line ,	906.00	1 No		
20	243.6.3	Common bathroom toilet (size:2035x1370mm) fully water proofing removing the existing the floor tile and removing the filling material	15.00	1 No		

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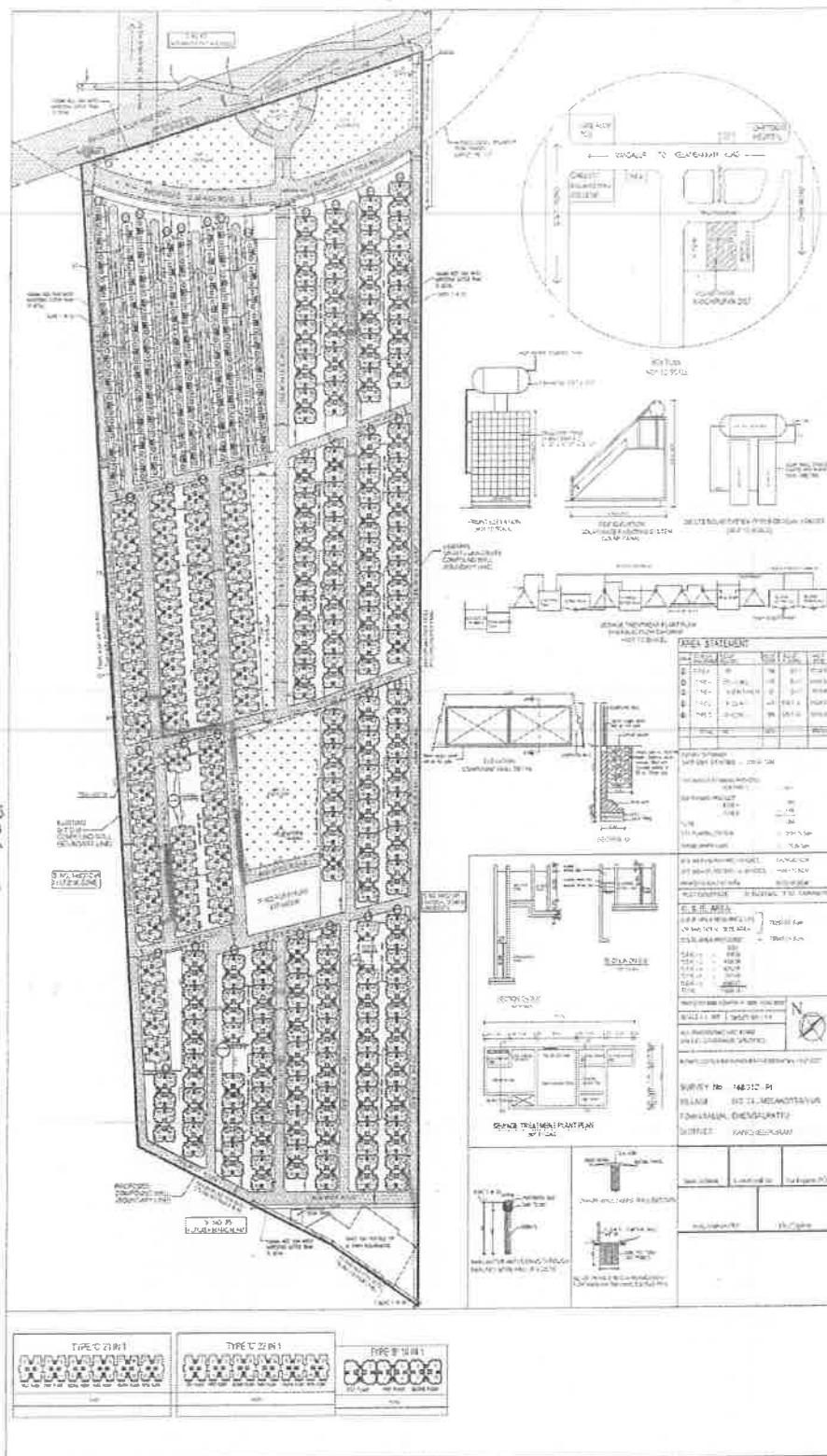
S. No	Item no	DESCRIPTION	QTY	UNIT	Rate exclusive of GST in Figures and in Words	AMOUNT
21	243.6.4	Attached toilet Pc/Hc (size:1410 x1 1970 mm) fully water proofing removing the existing the floor tile and removing the filling material	14.00	1 No		
22	243.6.5	Common bathroom toilet SI/ Ins (size:1445x2055mm) fully water proofing removing the existing the floor tile and removing the filling material	11.00	1 No		
23	243.6.6	Attached toilet SI/ Ins (size:1375x2440 mm) fully water proofing removing the existing floor tile and removing the filling material	13.00	1 No		
24	243.6.7	Aresting the water leakage in the Lift pit of size 1.90m x 1.90m and height of 1.5 m by providing pressure grouting in the floor and walls (using the material fosroc material)	10.00	1 No		

S. No	Item no	DESCRIPTION	QTY	UNIT	Rate exclusive of GST in Figures and in Words	AMOUNT
25	243.6.8	Water wash the Surface and keep the surface wet and there should not be water stagnation	4613.60	1 Sqm		
26	243.6.9	Providing tiles pointing on Existing toilet or bath floor surface will be thoroughly cleaned by acid wash ,the opened area between the tile	16719.70	1 Sqm		
27	504.6	Supplying, laying and jointing the following dia of UPVC Pipes of schedule 40 (above ground level) a) 32mm dia	7000.00	1 Rmt		

Expansion Joint Detail



LAYOUT SHOWING DETAILS OF 2673 RESIDENTIAL HOUSES, STP, RWH,
COLLECTION WELL, LANDSCAPING AT MELAKOTTAIYUR



LT UN CABLE AT MBELADOTAIYUR

LAYING OF 1-1 PIPE AT MELAKOTTAIVUR.



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