

ANNEXURE - [R]

DB/F/02

TENDER DETAILS FOR THE WORK OF RENOVATION OF EXISTING WORKING WOMEN'S HOSTEL BUILDING AT VELLORE IN VELLORE DISTRICT UNDER SOCIAL WELFARE DEPARTMENT

- | | | | |
|----|--|---|---|
| 1) | FILE NUMBER | : | SE/NC/DB/3345/2021 |
| 2) | TENDER NOTICE NUMBER | : | SE-NC-No. 28 / 2021-2022 (1) |
| 3) | NAME OF WORK | : | Renovation of Existing Working Women's Hostel building at Vellore in Vellore District under Social Welfare Department. |
| 4) | DATE OF SALE OF TENDER | : | 29.03.2022 to 05.04.2022 |
| 5) | LAST DATE OF RECEIPT OF TENDER | : | 07.04.2022 , up to 3.00 P.M. |
| 6) | DATE OF OPENING OF TENDER | : | 07.04.2022 , at 3.15 P.M. |
| 7) | E.M.D. AMOUNT
(To be drawn in favour of the Executive Engineer
TNPHC Ltd.,) | : | Rs.28,900/-
(Rupees Twenty Eight Thousand and Nine Hundred Only) |
| 8) | COST OF TENDER DOCUMENTS, including all taxes (Non refundable and to be drawn in favour of the Executive Engineer/ Salem Division of TNPHC Ltd.,) if received in person. | : | Rs.10,620/-
(Rupees Ten Thousand Six hundred and twenty Only) |

Without remittance of Schedule cost, the tender document for this work can be down loaded from the website "<http://tenders.tn.gov.in>" at free of cost and used as tender documents for this work.

- | | | | |
|-----|--|---|--|
| 9) | PERIOD FOR COMPLETION OF WORK | : | 6 MONTHS |
| 10) | THE TENDER SCHEDULE IS TO BE PLACED | : | At the O/o the SE/TNPHC Ltd., North Circle No.1&7, Inspector quarters, PGR Line, Behind CPO Building, Annadhanapatty, Linemedu, Salem – 636 006. |
| 11) | BOOKLET CONTAINING IN THIS TENDER SCHEDULE | : | |
| | Bidding Documents(Coding Sheets) | : | 39 Pages |
| | Technical Document | : | 84 Pages |

Eligibility condition :

- Copy of Registration certificate registered in the TNPHC (or) PWD contractors with upto date renewal.
- Copy of Revenue Solvency issued by the Tahsildar with upto date Encumbrance Certificate should be enclosed. 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 issue of tender notice of the respective works. Encumbrance Certificate should be free from Encumbrance. If EC is obtained from the Government website, the same also be considered.

3. Copy of Current Income Tax certificate (2020-2021)/(2021-2022), Sales Tax verification certificate **Model format is available in the department NPQ tender schedule vide Annexure – PG**, GST Registration Certificate and Experience certificate.
4. 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.
5. 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 the registrar of firms with proof of renewal. (Copies should be duly attested by Notary Public/ Gazatted officer).
6. 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 Public or a Gazatted Officer) shall be submitted along with his / their tender.
7. 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 Public / Gazatted Officer) along with the tender. The sole proprietor alone should sign in the tender document.
8. The Copy of all the credentials enclosed in the tender documents should be duly attested by Notary Public / Gazatted officer of State or Central Government.

Name of the Tenderer :

Address :

SPECIAL CONDITIONS

IMPORTANT INFORMATION 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 is included (i) Detailed tender specification (i.e.. Schedule 'A'). and (ii) 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 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 contractor should make sure that the rates both in figures and words filled up in the coding sheet are exactly the same and it clearly understood that the same is quoted for detailed specification specified in the schedule 'A'.
4. The Contractors are requested to fill up the rates neatly without over writing. Otherwise the decision of the TNPHC on these rates to be taken up for comparison is the final.
5. **The tenderer should fill up the Amount for each item in the Amount column as well as total 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 it is quoted it will be ignored.
7. The tenderer / contractor will make his/her/their own arrangements to procure and use ISI Brand cement and ISI Brand 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 / Contractor should strictly follow above instructions without fail.

TAMIL NADU POLICE HOUSING CORPORATION LIMITED
TENDER NOTICE

Office of the Superintending Engineer/North Circle., Tamil Nadu Police Housing Corporation Ltd.,

For and on behalf of the TNPHC Ltd sealed tender is invited for the under mentioned work so as to reach the Superintending Engineer / North Circle, Tamil Nadu Police Housing Corporation Limited, No.1&7, Inspector quarters, PGR Line, Behind CPO Building, Annadhanapatty, Linemedu, Salem – 636 006. not later than 3.00 PM. on (Refer Annexure “R” Serial No.5). The tenders will be opened by the Superintending Engineer/North Circle, Tamil Nadu Police Housing Corporation Limited, at his office at 3.15 PM. as per Superintending Engineer’s/North Circle office clock, on the same date in the presence of the tenderers or their authorized 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/North Circle., Tamil Nadu Police Housing Corporation Limited. The tenders will be opened by the Superintending Engineer/North Circle., Tamil Nadu Police Housing Corporation Limited or his delegate at the place and on the above mentioned.

1. The tenderers or their agents are expected to be present at the time of opening of tenders. The tenders 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 on the tenderers or their agents finds 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 into 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/North Circle., 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 member of the 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 authorized officer, who shall produce with his tender, satisfactory evidence of his authorization. Such tendering Corporations may be required before the contract is executed to furnish evidence of its corporate existence.

3. In case 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.
4. In case 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 the registrar of firms with proof of renewal. (Copies should be duly attested by Notary Public/ Gazatted officer).
5. In case 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 Public or a Gazatted Officer) shall be submitted along with his / their tender.
6. In case 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 Public / Gazatted Officer) along with the tender. The sole proprietor alone should sign in the tender document.
7. Each tenderer must also send a certificate of Income-tax return 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.. 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.

8. + Each tenderer must pay as Earnest Money deposit (**with GST**) of a sum of Rs.....(Refer Annexure "R" SerialNo.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 anyone of the Nationalized 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.

9. 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 / her / their tender will not be considered. He shall forthwith, upon and intimation being given to him of acceptance of his / her / their 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 two percent of the value of contract for the purpose of security deposit (with GST), which has to be remitted only in the shape of NSC / Demand Draft / Pay Order / Banker Cheque / accounts of postal department as per the form prescribed. National savings scripts / accounts of postal account 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 with held amount vide clause 64-1 of General condition of 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 carryout 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 of 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.

10. 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 "R" Serial No.8) (Rupees) for each set and which will not be refunded on any account.

11. 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.

12. 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 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.

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

- a. Test, inspection and rejection of defective materials and work
- b. Carriage
- c. Construction plant
- d. Water and Lighting
- e. Cleaning up during progress and for delivery
- f. Accidents
- g. Delays and
- h. Particulars of Payment

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

14. 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.

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

15. 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 the 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 recognized and if any such alterations are made the tender will be void.
16. 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.
17. The attention of the tenderer is directed to the contract requirements as to the time of beginning work, the rate 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.

Period of Contract – 6 Months

Refer Annexure "R" Serial No. 9	Period after date of commencement	Percentage of work completed (based on contract Lump Sum amount)
	1 st Month 2 nd Month 3 rd Month 4 th Month 5 th Month 6 th Month	20% of whole work 40% of whole work 65% of whole work 80% of whole work 90% of whole work 100% of whole work

Note: The periods to be entered in column (1) for the purpose of defining the rate of Progress may be fixed by the Superintending Engineer / Executive Engineer to suit each case.

18. No parts of the contract shall be sublet without written permission of the Executive Engineer, nor shall transfer be made up power of attorney, authorizing others to receive payment on the contractors behalf.
19. 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.
20. The Superintending Engineer, or other sanctioning authority reserves the right to reject any tender or all the tenders without assigning any reasons therefor.
21. 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.
22. Tenderer submitting a tender which the tender accepting authority considers excessive and / or indicate of the insufficient knowledge of current prices or definite attempt at profiteering will render himself liable to be debarred permanently from tendering or for such period as the tender accepting authority may decide.
23. 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.
24. 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) Organization (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.
 - (d) Methods that will be adopted to speed up the work to ensure completion within or less than the time fixed for completion.

25. 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.
26. 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.
27. The cost of materials if supplied by the department will be recovered from the bills or any other amounts due from the contractors.
28. 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 an 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.
29. 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.
30. 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 recommended for blacklisting in future.
31. Only contractor registered under appropriate Class with Tamil Nadu Police Housing Corporation and PWD (with up-to-date renewal) alone are eligible to tender.
32. 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, Income Tax, Solvency, Sales Tax verification certificate.
33. The tenderer should be registered with GST.
34. The total value of 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.

**OFFICE OF THE SUPERINTENDING ENGINEER / NORTH CIRCLE.,
TAMIL NADU POLICE HOUSING CORPORATION LIMITED**

TENDER

Dated :.....

To

The Superintending Engineer/North Circle,
Tamil Nadu Police Housing Corporation Ltd.,
Annadhanapatty, Salem – 636 006.

Sir,

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

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 price 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 herewith a challan for the payment of the sum of Rs. (Rupees) (in words and figures) an earnest money not to bear interest. 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 Security deposit and 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 send.

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 authorized to enter into contracts on behalf of the Corporation.

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

Sl.No.	Name	Qualification
--------	------	---------------

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
---	---------------

- 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
-------------------------------------	---

TAMIL NADU POLICE HOUSING CORPORATION LIMITED

No.1&7, Inspector quarters, PGR Line, Behind CPO Building, Annadhanapatty,
Linemedu, Salem – 636 006.

Schedule 'A'

Name of work : (Refer Annexure – 'R' SL.No.3)

- A. The Quantities given here are those upon which the lump sum tender cost of the work is based, but they are subject to alterations, omissions, deductions or additions as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The Unit rates quoted excluding GST amount are those governing payments for extras or deductions or omissions according to the conditions of the contract as set forth in the General conditions of 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 situ and complete in every respect.

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
1	1.1		Earth work excavation for foundation in all soils and sub soils to the required depth as may be directed except in hard rock requiring blasting but inclusive of shoring, strutting and bailing out water wherever necessary and refilling the sides of foundation with excavated earth in 150mm thick layers well watered rammed and consolidated and depositing the surplus earth in places shown clearing and levelling the site with an initial lead of 10 metres and lift as specified here under etc., complete in all respects complying with relevant standard specifications. (Including Refilling)	17,23 & 24			
			a) 0 to 2m depth			1 M ³ (One Cubic Metre)	
2	13.1		Filling in foundation and basement and other similar works with Excavated earth in layers of 150mm thick well watered rammed and consolidated complying with relevant standard specification etc., all complete and as directed by the departmental officers.			1 M ³ (One Cubic Metre)	
3	24		Manufacturing and supplying of steel windows confirming to IS 1038/1983 specification with steel section used for fabrication of windows as per IS7452/1982 specification and as per the approved type design for all size applicable for the work with iron oxidised handles with locking arrangements, peg stays and including cost for one coat of red oxide primer etc., complete and, as directed by the departmental officers (windows should be weighed excluding aluminium beeding and glass panel. The standard models of window with grill design drawings are enclosed in the annexure. However the windows grill and design should be got approved by the Executive Engineer before use).	81		1 Kg. (One Kilogram)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
4	25		Supplying of Mild steel hold fasts horizontally twisted of size 230x40x4mm with pair of suitable iron screws.	86		1 No. (Each)	
5	37.1		White Washing three coats using clean shell lime slaked including cost of lime, gum, blue, brushes, including scaffolding etc., complete in all respects.	63		1 M ² (One Square Metre)	
6	39		Supplying and fixing Mild Steel grills as per the design approved to verandah enclosure or gate including one coat of primer and labour for fixing in position etc., all complete			1 Kg (One Kilogram)	
7	40		Painting the new wood work with two coats of approved first class synthetic enamel ready mixed paint in addition to one coat of primer of approved quality and shade, the paint should be supplied by the contractor at his own cost (The quality and the shade of paint should be got approved by the Executive Engineer before use) complying with relevant standard specifications.	66& 66 A		1 M ² (One Square Metre)	
8	41		Painting the new iron work and other similar works such as PVC/ASTM pipes, kerb stones and grills with two coats of approved first class synthetic enamel ready mixed paint of approved quality and brand the paint should be supplied by the contractor at his own cost. (The quality and the brand of paint should be got approved by the Executive Engineer before use) complying with relevant standard specifications.	66& 66A		1 M ² (One Square Metre)	
9	46		Supplying and fixing of 20mm dia aluminium hanger rods to the required length with aluminium end brackers including cost of screws, TW plugs and labour charges for fixing in position etc., complete in all respects and as directed by the departmental officers.			1 Rmt (One Running Metre)	
10	47		Supplying and fixing of Aluminium towel rails of 75cm long , including cost of screws, TW plugs and labour charges for fixing in position etc., complete in all respects and as directed by the departmental officers.			1 No. (Each)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
11	52		<u>WATER SUPPLY ARRANGEMENTS</u> Supplying, laying, fixing and jointing the following PVC pipes as per ASTM-D-1785 of schedule 40 of wall thickness not less than specified in IS 4985 suitable for plumbing by threading of wall thickness including the cost of suitable PVC/GI specials/GM specials like elbow, Tee, reducers, plug, union, bend, coupler, nipple/GM gate valve check and wheel valve etc., wherever required above the ground level including the cost of teflon tape, special clamps, nails, etc., fixing on wall to the proper gradient and alignment and redoing the chipped of masonry etc., as directed by the departmental officers.				
			b) 25mm ASTM-D schedule 40 threaded PVC pipe with necessary PVC/GI specials			1 Rmt (One Running Metre)	
12			c) 20mm ASTM-D schedule 40 threaded PVC pipe with necessary PVC/GI specials			1 Rmt (One Running Metre)	
13	69		<u>ELECTRICAL ARRANGEMENTS</u> Supplying and fixing 15 amps 3 pin plug type socket on a suitable MS box 16g thick concealed and covered with 3mm thick laminated hylem sheet inclusive of all connections and cost of all materials.			Each Point	
14	72		Supply and fixing of best approved superior variety consealed type Fibre box with M.S. Fan Hook of 100mm dia, 75mm depth and 3mm thick including cost and fixing in position etc., complete and as directed by the depatmental officers.(The quality should be got approved by the Executive Engineer before use).			1 No. (Each)	
15	73.1		Supplying and fixing of 1 no three phase distribution board with 6 way per phase 30A / per way with neutral link on suitable well varnished teakwood plank including necessary inter connections and earth connections cost of all materials etc., all complete.			1 No. (Each)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
16	73.2		Supplying and fixing of 1 no three phase distribution board with 4 way per phase 30A / per way with neutral link on suitable well varnished teakwood plank including necessary interconnections and earth connections cost of all materials etc., all complete.			1 No. (Each)	
17	74		Charges of assembling and fixing of ceiling fan of different sweep with necessary connection and fixing of fan regulator on the existing board etc., all complete (excluding cost of fan)			1 No. (Each)	
18	86		Providing pre-constructional Antitermite treatment including cost of chemicals labour as per standard specifications for preparing the area for treatment by spraying chemicals and other incidental charges etc.. complete. The rates should be for curing antitermite treatment from the plinth beam and brick masonry with super structure in contact with the back fill earth and at the junction of the walls. The top surface of filled earth for flooring and the soil along with the perimeter of the building by making holes with the crow bar and poured 5% termicide 'Chloripyrifos" and spraying the same termicide solution on the wooden frames and treating the other periphery of buildings etc., complete in all respects as per IS 6313 (part II) /1981 and as directed by the departmental officers.			1 M ² (One Square Metre)	
19	112		Supplying and fixing of 300 mm dia sweep AC exhaust fan of approved ISI Quality including necessary wall opening, fixing and finishing the wall opening and making good including cost of materials, labour for fixing, chipping and redoing necessary inter connection, scaffolding, hire charges for tools and plants etc., all complete and as directed by the departmental Officers.			1 No. (each)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
20	2.1.1		ANNEXURE-I Supply and filling in foundation and basement with gravel in layers of 150mm thickness well watered, rammed and consolidated complying with relevant standard specification including cost of gravel etc., all complete and as directed by departmental officer.	24 & 25		1 M ³ (One Cubic Metre)	
21	2.1.3		Supplying and filling in foundation and basement with filling crushed stone sand in layers of 150mm thickness well watered, rammed and consolidated complying with relevant standard specification including cost of supplying filling M-sand.	24 & 25		1 M ³ (One Cubic Metre)	
22	3.1.1		Plain Cement Concrete 1:5:10 (One of cement, five of crushed stone sand and ten of hard broken stone jelly) for foundation and Basement using 40mm gauge hard broken stone jelly inclusive of shoring, strutting and bailing out water wherever necessary ramming, curing etc., complete in all respects complying with relevant standard specifications and as directed by the departmental officers.	28		1 M ³ (One Cubic Metre)	
23	3.2.1		Plain cement concrete 1:2:4 (One of cement two of crushed stone sand and four of hard broken stone jelly) using 20mm gauge hard broken stone jelly excluding shuttering and centering but including laying, curing and finishing with relevant standard specifications in foundation and basement, and other similar works & as directed by the departmental officers.	28		1 M ³ (One Cubic Metre)	
24	6.5.1		Brick work in cement mortar 1:5 (One of cement and five of crushed stone sand) using using Kiln burnt country bricks of size 8¾"x4¼"x2¾" (22x11x7cm) in foundation and basement including dewatering wherever necessary proper setting, curing etc., complete with relevant standard specifications.	31 & 31 - C		1 M ³ (One Cubic Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
25	8.1.1.1		<p>Providing and laying in position, Standardized Concrete Mix M-20 Grade in accordance with IS: 456-2000, using 20mm and down graded hard broken stone jelly for all RCC items of works with minimum cement content of 325 Kg/m³ and maximum water cement ratio of 0.55, including admixtures (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 Cu.m) 7730 Kg. of 20mm machine crushed stone jelly and with about (3.3 Cu.m.) 5156 Kg. of 10-12mm machine crushed stone jelly and with about (4.79 Cu.m) 7670 Kg. of crushed stone sand for making of 10m³ concrete, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing etc., and providing fixtures like fan clamps in the RCC floor/roof slabs wherever</p> <p>necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS standards. (No separate payment will be made by the Department for the excess usage of materials)</p>				
			a) In Foundation and Basement			1 M ³ (One Cubic Metre)	
26			b) In Ground Floor			1 M ³ (One Cubic Metre)	
27	9.5.1		Brick work in Cement Mortar 1:6 (One of cement and six of crushed stone sand) using using Kiln burnt country bricks of size 8 ³ / ₄ "x4 ¹ / ₄ "x2 ³ / ₄ " (22x11x7cm) for super structure in the following floors including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying with relevant standard specifications.	31 & 31-c			
			a) In Ground Floor			1 M ³ (One Cubic Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
28	10.5.1		Brick partition wall in Cement Mortar 1:4 (One of cement and four of crushed stone sand) 110 mm thick for super structure in the following floors using using Kiln burnt country bricks of size 8 ³ / ₄ "x4 ¹ / ₄ "x2 ³ / ₄ " (22x11x7cm) including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying with relevant standard specifications.	31 & 31-C			
			b) In Ground Floor			1 M ² (One Square Metre)	
29	11.5.1		Brick partition walls 70mm thick using using Kiln burnt country bricks of size 8 ³ / ₄ "x4 ¹ / ₄ "x2 ³ / ₄ " (22x11x7cm) in cement mortar 1:4 (One of cement and four of crushed stone sand) for super structure in the following floors including scaffoldings, curing etc., complete in all respect complying with relevant standard specifications.	31 & 31-C			
			a) In Ground Floor			1 M ² (One Square Metre)	
30			b) In First Floor			1 M ² (One Square Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
31	14.1.1		Providing Precast concrete slab for cupboard ward robs shelves, cover slab for chambers, baffle walls side slabs of boxing around windows and other similar works in Standardized Concrete Mix M-20 Grade using M sand hard broken stone jelly of size 10mm and less for the following thickness excluding the cost and fabrication of reinforcement grills but including precasting, moulding, curing, finishing and fixing in position complying with relevant standard specifications etc., complete in the following floors (Measurement will be taken including bearing in wall also)	30			
			<u>I. 20MM THICK</u>				
			a) In Ground Floor			1 M ² (One Square Metre)	
32			b) In First Floor			1 M ² (One Square Metre)	
			<u>II. 40MM THICK</u>				
33			b) In Ground Floor			1 M ² (One Square Metre)	
34			c) In First Floor			1 M ² (One Square Metre)	
35	16.1.1		Precast cement concrete Jally ventilator in Standardized Concrete Mix M-20 Grade in accordance with IS: 456-2000, using 20mm and down graded hard broken stone jelly for the following thickness excluding the cost and fabrication of reinforcement grills but including precasting, moulding, curing, finishing and fixing in position complying with relevant standard specifications etc., complete in the following floors. I. 50mm thick (a) In Ground Floor			1 M ² (One Square Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
36	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 90cmx60cm 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 supported by caurina props 10cm to 13cm dia spaced at 75cm intervals and removing the same after a specified period without damaging the RCC works etc., complete complying with standard specifications and as directed by the departmental officers.				
			a) For Column footings, plinth beam, Grade beam, Raft beam, Raft slab etc.,			1 M ² (One Square Metre)	
37			b) Plain surfaces such as Roof slab, floorslab, Beams, lintels, lofts, sillslab, staircase waist, portico slab and other similar works			1 M ² (One Square Metre)	
38			c) For Square and rectangular columns and small quantities such as sunshade, parapet cum drops window boxing, fin projection and other similar works.			1 M ² (One Square Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
39	21.5.2		<p>Providing and fixing factory made unplasticized polyvinyl chloride (UPVC) Door Frame of size 50X47mm with a wall thickness of 5mm, made out extruded 5mm rigid UPVC foam sheet, mitred at two corners and joined with 2nos of 150mm long brackets of 15X15mm M.S square tube. The two vertical and horizontal door profiles are to be reinforced with 19X19mm M.S Square tube of 19-gauge with primer coat. The door frame shall be fixed to the wall using 65/100mm long M.S screw through the frame by using PVC fasteners. A minimum of 4nos screws to be provided for each vertical member & minimum 2nos for horizontal member etc., and providing and fixing of 30mm thick factory made door shutter with unplasticized polyvinyl chloride (UPVC) solid panel foam sheet, structured with M.S tubes of 19 gauge thickness and size 19mmX19mm for styles & 15mmX15mm for top & bottom rail. Panelling of 5mm thick UPVC ONE SIDE PRINTED LAMINATION single sheet to be fitted in the M.S frame welded / sealed to the styles & rails covered with 5mm thick heat moulded UPVC "C" channel of 30mm x 50mm and 5mm thick 75mm wide UPVC sheet for top rail, lock rail and bottom rail on either side and 10mm (5mm x 2 Nos) thick, 20mm wide cross UPVC sheet as gap insert for top rail and bottom rail, and joined together with PVC solvent cement adhesive,. An additional 5mm thick UPVC strip of 20mm width is to be stuck on the interior side of the "C" channel using PVC solvent cement adhesive. The cost and labour charges for fixing of 3 Nos. of 4" SS butt hinges and aluminium furniture fitting such as, 1 No. 4" Tower bolt, 1 No. 5" Aldrop, 2 Nos. 6" flat "D" type handle, etc are included. The fitting provided shall bear ISI marks. To ensure the Genuinity of product, the door set should have 4 numbers of manufacturer's logo hologram of approved brand, each, at Frame, Style, Rail and inner Panel. (The quality and brand of door shutter and furniture fittings should be got approved by the Executive Engineer before use on works)</p>			1 M ² (One Square Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
40	21.6.1		Supplying and fixing Monolithic RCC door frames of size 100x75mm with one edge grooves size 't' x 20 mm ('t' represents the shutter thickness) in Standardized Concrete Mix M-20 Grade in accordance with IS: 456-2000, using 20mm and down graded hard broken stone jelly including cost of steel and fabrication of reinforcement grills with 3 nos. of 6mm M.S. rod alround and 3mm steel stirrups at 30cm centre to centre including fixing of 3 nos of iron bracket of size 100x100x5mm or 3 nos of Teak wood plug for receiving hinges and 2 nos of teak wood plug for receiving the tower bolts including fixing of 6 nos of hold fasts and cost and fixing of check nuts and aluminium sleeves and 2 nos iron oxide tower bolt receiver all as per drawings, including moulding in steel mould and casting with smooth surfaces and fine edges, curing, transporting etc., all complete as directed by the departmental officers.				
			c) 1000 x 2100 mm			1 No. (Each)	
41	22.3.3		Providing T.W. double leaf shutters for Cupboard/ward robes with 9mm thick phenol Bonded BWR grade ply wood as per IS 303-1989 (General) with IS 5539-1969 (For perspective treatment) and IS 848 – 1974 (For adhesives) with relevant IS specifications and its latest amendment for shutters. The all round frame made up of T.W. scantling of 75mm x 37.50mm and the styles made up of T.W scantlings of 75mm x 37.50mm and shutter middle Rail (Horizontal) made up of T.W. scantling of 150mm x 37.5mm including cost of plywood and labour for fixing in position, cost of materials, Aluminium furniture fittings such as 6 Nos. of 3" of Aluminium butt hinges, 2 Nos. of 4" X 5/8" Aluminium tower bolt, 2 Nos. of 4" ornamental Handle, lock and key arrangements (lever type) of best approved quality with brass screws and also painting with two coats of approved first class synthetic enamel ready mixed paint in addition to one coat of wood primer of approved quality with neat finish., all complete and as directed by the departmental officers. (The lock and key, BWR plywood quality and shade and other fittings should be got approved by the Executive Engineer before use).			1 m ² (One Square Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
42	23.1.1		Supplying and fixing of best Indian TW single leaf door shutters using 9mm thick phenol bonded BWR grade plywood as per IS 303-1989 (General) with IS 5539-1969 (For perspective treatment and IS 848 –1974 (For adhesives) with relevant IS specification and its latest amendments for shutters with 75mmx37.50mm teak wood styles and 3 Nos. of 150x37.50 mm TW rail (Top, bottom and lock rails) using the above panels including labour charges and cost of furniture fittings as per schedule 'E' with brass screws and as directed by the departmental officers (The quality and the BWR plywood should be got approved from the Executive Engineer before use).				
			b) For door size 1000x2100mm			1 M ² (One Square Metre)	
43	23.2.1		Supplying and fixing of 4 mm thick pin headed Glass Panels with aluminium anodized U shape beeding or size 12x12 mm with 107 gram in average weight for 1 m length with aluminium bolts and nuts for the shutters of the steel windows already supplied to suit all the size and as directed by the departmental officers (The quality of glass and aluminium beeding should be got approved from the Executive Engineer before use)			1 M ² (One Square Metre)	
44	26.1		Flooring with a bed Cement concrete 1:5:10 (one of cement, five of crushed stone sand and ten of hard broken stone jelly) using 40mm size hard broken stone jelly and top left rough to receive the floor finish with required slopes including ramming, curing etc., all complete complying with relevant standard specifications.	28&39 - H		1 M ³ (One Cubic Metre)	
45	28.1		Plastering the top flooring in CM 1:4 (One of cement and four of crushed stone sand) 20mm thick including plasticizer, surface rendered smooth including providing proper slopes, thread lining, curing and 150mm wide skirting alround with the same cement mortar etc., complete in all respects.	56,57 31-C		1 M ² (One Square Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
46	29.8.1		Supplying and fixing of colour glazed tiles (best approved quality and the same shall be got approved from the Executive Engineer before using) over cement plastering in CM 1:2 (one of cement and two of crushed stone sand) 10mm thick including fixing in position, cutting the tiles to the required size wherever necessary, pointing the joints with Grout (Tile joint filler), curing, finishing etc., all complete and as directed by the departmental officers.			1 M ² (One Square Metre)	
47	29.9.1		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 crushed stone sand) 20mm thick including fixing in position, cutting the tiles to the required size wherever necessary, pointing the joints with Grout (Tile joint filler), curing, finishing etc., all complete and as directed by the departmental officers.			1 M ² (One Square Metre)	
48	31.2.1		Finishing the top of Terrace floor with one course of solar reflective water proof, heat proof and cool roof ceramic tiles of size 300mmx300mmx8mm thick of approved quality laid in cement mortar 1:3 (one part of cement and three parts of M-sand) 20mm thick with base concrete mixed with calcium based mineral powder (60 kg for 1000 sqft) (before laying tiles, the tiles should be dipped with salin based nano liquid) and top Grouting with cement mortar 1:3 (one part of cement and three parts of crushed stone sand) mixed with white cement, silicon powder and polimer additives (20kg for 1000 sqft.) and joint pointed with zycosil oil (200gm for 1000 sqft.) after grouting acrylic salin based liquid including cost of base concrete 1:2:4 mix using 6 to 10mm chips, 40mm etc., complete complying with standard specifications including cost of all materials, labour charges for lifting to open terrace, laying and finishing and other incidental charges etc., complete and as directed by the departmental officers. (The Brand and quality of tiles should be got approved from the Executive Engineer before using)			1 M ² (One Square Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
49	32.1.1		Finishing top of roof with one course of Hydraulic Pressed Tiles of approved superior quality of size 23cmx 23cmx20mm thick laid over weathering course in cm 1:3 (One of cement and three of crushed stone sand) 12mm thick mixed with Water proofing compound at 2% by weight of cement used and pointed neatly with the same cement mortar mixed with water proofing compound including curing etc., as per standard specifications. (The quality of tiles shall be got approved from the EE before use)			1 m ² (One Square Metre)	
50	33.1		Plastering with CM 1:5 (One of cement and five of crushed stone sand) 12mm thick finished with neat cement including plasticizer, providing band cornice, ceiling cornice, curing scaffolding etc., complete in all respects and complying with relevant standard specifications.	56 & 57		1 M ² (One Square Metre)	
51	34.1		Plastering with CM 1:4 (One of cement and four of crushed stone sand) 12mm thick finishd with neat cement including plasticizer, providing band cornice, ceiling cornice, curing scaffolding etc., complete in all respects and complying with relevant standard specifications.	56 & 57		1 M ² (One Square Metre)	
52	35.1.2		Special Ceiling plastering in cement mortar 1:3 (one of cement and three of crushed stone sand) 10mm thick including super plasticizer for bottom of roof, stair, waist, landing and sunshades in all floors finished with neat cement including hacking the areas providing band cornice, scaffolding, curing etc., all complete.	56 & 57		1 M ² (One Square Metre)	
53	36.1		Plastering in CM 1:5 (One of cement and five of crushed stone sand) 12mm thick border finish in all floors for elevation purposes, including scaffolding, curing, finishing etc., all complete.	56 & 57			
			b) 75mm wide Border			1 Rmt (One Running Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
54	37.3		White washing two coats for old walls using clean shell lime slaked including cost of lime, gum, blue, brushes, including scaffolding etc., complete in all respects. (Including thorough scrapping)			1 m ² (One Square Metre)	
55	38.6		Painting Primer coat using approved quality of white cement over the cement plastered / concrete wall surfaces, ceiling or other similar works including cost of cement paints, putty, brushers, watering, curing etc., all complete and as directed by the departmental officers. (Paints and its shade shall be got approved from the Executive Engineer before using)			1 M ² (One Square Metre)	
56	38.7		Painting two coats with ready mixed PLASTIC EMULSION PAINT of first class quality paint of approved colour and shade including priming coat on cement plastered / concrete wall surfaces or other similar works, including cost of necessary brushes, labour charges, patty etc., complying with relevant standard specification. The paint should be supplied by the contractors at his own cost. (The quality and shade of the paint should be got approved by the Executive engineer before use.)			1 M ² (One Square Metre)	
57	38.7.1		Painting old walls with two coats of ready mixed Plastic Emulsion PAINT of first class quality paint of approved colour and shade including priming coat on cement plastered / concrete wall surfaces or other similar works, including cost of necessary brushes, labour charges, patty etc., (Including thorough scrapping)			1 M ² (One Square Metre)	
58	43.1		Supplying, fabricating and placing in position of Mild steel Grills/Ribbed Tor Steels (without cement slurry) for reinforcement for all floors including cost of binding wire, bending, tying etc., all complete and as directed by the departmental officers for all sizes.			1 M.T (One Metric Tonne)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
59	44.2.1 a)		Providing Rain water harvesting pit of 1m dia and 600mm depth and filling the pit with 40mm stone jelly to a depth of 300mm from the top of the augering portion and filling with crushed stone sand to a depth of 300mm over the stone jelly and covered with the pre-cast perforated slab of 40mm thick (using M20 mix) excluding the cost and fabrication of reinforcement grills but including precasting, moulding, curing, finishing and fixing in position etc., all complete and as directed by the departmental officers.			1 No. (Each)	
60	44.2.b)		Augering 30cm dia bore hole in all soils and sub soils required depth to providing rain water harvesting from the centre of the rain water harvesting pit already excavated and filling the augering portion with 40mm size stone jelly etc., all complete and as directed by the departmental officers.			1 RMT (One Running Metre)	
61	44.6		Supplying and fixing of 110mm dia PVC SWR pipe with ISI mark confirming to IS 13952:1992 Type 'A' for Rainwater Down fall pipe with relevant specials such as gratings, shoes, bends, offsets confirming to IS 14735 including jointing with seal ring confirming to IS 5382 with leaving a gap about 10mm to allow thermal expansion with necessary clamps, teak wood plugs etc., of approved quality and including fixing CI gratings at the junction of parapet and floor or roof slab etc., including finishing etc., complete complying with relevant standard specifications.			1 RMT (One Running Metre)	
62	54.1.1		Supplying and fixing of half turn C.P Long body Tap of 15mm dia of Best quality including cost of half turn CP tap with required specials and labour for fixing etc, all complete and as directed by the departmental officers., (The quality and brand should be got approved from Executive Engineer before use).			1 No. (Each)	
63	54.2.1		Supplying and fixing of half turn C.P Short body Tap of 15mm dia of best quality including cost of half turn CP tap with required specials, and labour for fixing etc, all complete and as directed by the departmental officers., (The quality and brand should be got approved from Executive Engineer before use).			1 No. (Each)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
64	56.3.1		Supplying and fixing of Indian Water Closet white glazed (oriya type) of size 580mmx440mm of approved make with ISI mark (to be got approved from EE before use) with PVC SWR grade 'P' or 'S' trap confirming to IS 2556 part 12, including concrete packing filling portion with earth, flooring the area with 75mm thick brick jelly concrete in CC 1:8:16 (One of cement, eight of crushed stone sand and sixteen of brick jelly) using 40mm size brick jelly and top left rough to receive the floor plastering but including antisiphonage connection, curing etc., all complete and as directed by the departmental officers. (In Ground Floor)			1 No. (Each)	
65	58.3		Supplying and fixing the following dia PVC (SWR) pipe with ISI mark confirming to IS 13952:1992 type 'B' for soil line with relevant jointing with seal ring confirming to IS 5382 with leaving a gap about 10mm to allow thermal expansion, fixing the pipes into walls with necessary wooden plug, screws, holding wherever necessary and making good of the dismantled portion with necessary connections to sanitary fittings etc., complete in all respects and as directed by the departmental officers.				
			a) 110mm dia PVC SWR pipe including all required PVC specials etc., all complete			1 RMT (One Running Metre)	
66			b) 75mm dia PVC SWR pipe including all required PVC specials etc., all complete			1 RMT (One Running Metre)	
67	60.1		Supplying and fixing of PVC Nahani Trap not less than 75mm 4 way/ 2 way (superior variety) having minimum of water seal of 50mm confirm to relevant IS specifications with its latest amendments including resting on the bed of brick jelly concrete 1:5:10 (one of cement, five of crushed stone sand and ten of 40mm gauge brick jelly) etc., complete as directed by the departmental officers. (The PVC Nahani Trap should be got approved from the EE before use)	102		1 No. (Each)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
68	64.1		Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming to ISI 694/1990, 1.1 KV grade cable with continuous earth by means of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming to IS:694/1990, 1.1 KV grade cable in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 16g thick concealed and covered with 3mm hylem sheet controlled by 5 amps flush type switch including circuit mains cost of all materials, specials etc., all complete				
			a) Light Point with Ceiling rose			Each Point	
69			b) Light Point without ceiling rose			Each Point	
70	65.1		Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming to ISI 694/1990, 1.1 KV grade cable with continuous earth by means of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming to IS:694/1990, 1.1 KV grade cable in fully concealed PVC rigid conduit pipe heavy dut with ISI mark with suitable size MS box of 16g thick concealed and covered with 3mm thick hylem sheet for Fan Point controlled by 5 amps flush type switch including circuit mains cost of all materials, specials etc., all complete			Each Point	
71	67.1		Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming to ISI 694/1990, 1.1 KV grade cable with continuous earth by means of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming to IS:694/1990, 1.1 KV grade cable in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 16g thick concealed and covered with 3mm thick hylem sheet for 5 amps 5 pin plug socket point at switch board itself including circuit mains cost of all materials, specials etc., all complete.			Each Point	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
72	75.1.2		Supply and delivery of following Electric Ceiling fan with ISI mark with blades and double ball bearing, capacitor, etc., complete with 300mm down rod, canopies, capacitor, shackle blades with electronic dimmer regulator suitable for operation on 230 volts 50 HTZ single phase AC supply conforming to ISS No.374/79 and provided with insulation . (The brand should be got approved from the Executive Engineer before supply made).				
			a) 48" Electric Fan 1200mm sweep			1 No. (Each)	
73	77.6		Run off main with 2 wires of 4 Sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1 KV grade cable with continuous earth by means of 2.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1 KV grade cable in fully concealed 19/20mm dia rigid PVC conduit pipe with ISI mark etc. including cost of all materials, specials etc. all complete and as directed by the departmental officers.			1 RMT (One Running Metre)	
74	207		Painting the old iron work with one coat of ready mixed first class synthetic enamel paint of approved quality and brand, the paint should supplied by the contractor at his own cost including thorough scrapping with sand paper the old iron work surface (the quality and the shade of paint should be got approved by the Executive Engineer before use). Complying with relevant standard specification.			1 M ² (One Square Metre)	
75	211		Clean removal of the old cement plastering both inside and outside from the existing walls of brick masonry and racking out joints to 20mm deep without damaging the existing structure and surroundings and clearing the debris away from the site including cost of required tools and plant and necessary scaffolding if necessary etc., all complete in all respect and as directed by the departmental officers.			1 m ² (One Square Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
76	218		Dismantling the damaged pressed tiles in cement mortar without affecting the adjacent structures in all floors including the cost of required tools and plants and clearing the debris away from the site etc., all complete and as directed by the departmental officers.			1 m ² (One Square Metre)	
77	243		Dismantling the existing floor finish and dadoing walls in cement mortar with Mosaic Tiles / Glazed Tiles / Cuddapah Slabs without damaging the existing structure and clearing the surface completely and removing the debris away from the site etc complete and as directed by the departmental officers.			1 m ² (One Square Metre)	
78	344.2		Supply & Fixing of Bevelled edge mirror of approved quality and brand of size 500 x 400 x 5.5mm shelf type mounted in the PVC / Fibre Glass framed with necessary hard board backing including labour for fixing in position etc., complete and as directed by the departmental officers			1 No. (Each)	
79	385		Supplying and fixing of cloth drying arrangements using 32 mm dia G.I. Pipe of best approved quality 2m length fixed with 3 Nos. of 10mm ' L ' clamps with 0.60m length M.S angle of size 35mm x 35mm x 4mm supported by 12mm square bars of 0.5m length and 3 Nos of picture hooks fixed to the M.S angle including cost of all materials, welding charges, labour charges for fixing in position at terrace floors and painting the pipes, square bars, angles etc., all complete and as directed by the departmental officers and as per relevant standard specifications. (All materials should be got approved from the EE / before use).			1 No. (Each)	
80	799		Painting the new walls with TWO COATS OF OIL BOUND DISTEMPER over the primer coat of white cement 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).			1 M ² (One Square Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
81	799.1		Painting the old walls with TWO COATS OF OIL BOUND DISTEMPER over primer coat of white cement of approved brand over cement plastered wall surfaces including scrapping Cost of paints, putty, brushes, watering, curing etc., all complete as directed by departmental officers (paints and its shade be got approved from the Executive Engineer before use).			1 M ² (One Square Metre)	
82	A1		ANNEXURE - II Providing and fixing for the paint coated mild steel double decker bunk bed size of (0.91m x 1.98m) using MS tube size 40X40 square tube, 25X25 square tube, 16 gauge MS Sheet with side ladder and preventing rails for men in the upper bed for not falling down bed and lower bed sing 16G CR sheet with 3 1/4" x 1 x 1/2" folding on four sides with four "V" shape stiffeners and two cross stiffeners. All the steel parts are painted with two coats of enamel paint after corrosive treatment etc., in all respects and as directed by the departmental officers.			1 No. (Each)	
83	A2		Supplying and delivery of coir Mattresses of size 75"x36"x4" with 4" coir primary material- Foam and coir and quilt, type-sandwich, Bed Size-Single, should not required any assembly etc., all complete and as directed by department officers. (The brand and quality of the materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	
84	A3		Supplying and delivery of Pillow (16"x24") to the site including cost of material and cost of conveyance charges ect.,, all complete as where required and as directed by the departmental officers (The brand and quality of the materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	
85	A4		Supplying and delivery of Pillow Cover (16"x24") to the site including cost of material and cost of conveyance charges ect.,, all complete as where required and as directed by the departmental officers (The brand and quality of the materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
86	A5		Supplying and delivery of Bed Cover of size 38" x 75" using cotton material to the site including cost of material and cost of conveyance charges etc., all complete as where required and as directed by the departmental officers (The brand and quality of the materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	
87	A6		Supplying and fixing of wall mounted foldable study table of size 0.6m x 0.4m using 18mm thick MDF board one side laminated with I-max foldable hinges of size 12" with fittings for fold down table including cost of materials, labour and conveyance charges etc., all complete and as directed by the departmental officers.			1 No. (Each)	
88	A7		Supplying and delivery of Steel table of size 4'X2'X2'6" using top 18mm thick one side laminated MDF board, legs made up of 1"x1" square tube and top around frame made up of 1"x1" square tube, two drawers using 18 gauge MS sheet with lock and key arrangements and necessary painting including cost of material, conveyance and labour charges etc., all complete as where required and as directed by the departmental officers			1 No. (Each)	
89	A8		Supplying and delivery of Plastic Chair (Nilkamal/Similar) (The brand and quality of the materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	
90	A9		Supply and fixing of 3 seater sofa set of size 70"x29"x34" with 6" height cushion, fabric top finish, wooden joist including cost of materials, conveyance and labour charges etc., all complete and as directed by the departmental officers .(The materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	
91	A10		Supplying and delivery of Dry Iron box 1000 W (PHILIPS/Similar) etc. all complete and as directed by the departmental officers.(The brand and quality of the materials should be got approved by the Executive Engineer before use in work)			1 Set. (Each)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
92	A11		Supply and delivery of folding size Steel Table Stand with Press Holder, Foldable & Height Adjustable/Ironing Board with Multi-Function Ironing Table/Ironing Board Covers with Foam pad IRONING SPACE: (LxB=123x38cm Total H-Min-75cm Max-Up to 90cm). IRONING REST: (LxB=20x30cm). BASE LEG: (LxB=90x36cm) including cost of material and cost of conveyance charges etc., all complete and as directed by the departmental officers.			1 No. (Each)	
93	A12		Supply and fixing of Bio metric LX16 with SSR report (Self service recorder) stored in time clock, format converted in excel format, vivid inter face of finger print quality for single finger including all materials, labour charges and transportation etc. all complete and as directed by the departmental officers. (The quality of the materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	
94	A13		Supply and installation of wall mounted 4U Rack with lock and key size-55x40x23cm, Max loading-60Kg, material-SPCC cold rolled sheet, Front toughened glass door, Turning angle of front door over including cost of materials, 180 degree, powder coating-Frame RAL 7035, Door-RAL7016 labour for installation and transportation etc., all complete (The quality of the materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	
95	A13(a)		Supply and installation of wall mounted 2U Rack with lock and key size-55x35x15cm, Max loading-60Kg, material-SPCC cold rolled sheet, Front toughened glass door, Turning angle of front door over including cost of materials, 180 degree, powder coating-Frame RAL 7035, Door-RAL7016 labour for installation and transportation etc., all complete (The quality of the materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
96	A14		Supply delivery and installation of Desktop with Monitor V520 Slim Tower (10NNA01 A1H) 4GB DDR4 RAM 1 TB HDDI intel CORE-i3 4GB 1TB (DOS) 19.5" Inch HD screen, Key board and mouse (One+Two) with 3 year warranty (Lenovo/similar) etc, (The brand and quality of the materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	
97	A15		Supply and Installation of Indoor 802.11ac Wave 2 2x2:2 Wi-Fi Access Point with all Mounting Kit and POE Injector a) Indoor 802.11ac Wave 2 2x2:2 Wi-Fi Access Point with all Mounting Kit and POE Injector etc., all complete and as directed by the departmental officers.			1 No. (Each)	
98	A16		Supply and fixing of 8 Port POE LAN NETWORK switch 10/100/1000 Mbps with necessary connection, checking the coinnectivity end to end and labour etc., all complete as per standard specification and as directed by the Departmental Officers			1 No. (Each)	
99	A17		Supply and delivery of All in one Printer (Scan/Copy/Xerox) (HP MFP 136W/ similar) with relevant standard specifications including conveyance, Labour etc, all complete and as directed by the departmental officers. (The brand should be got approved from the Executive Engineer before supply made).			1 No. (Each)	
100	A18(a)		Supply and installation of 4TB Hard Disk for the above NVR for extended recoding higher read/write bandwidth, low power profiling, etc., all complete and as directed by the departmental officers. (The quality and brand of the of the hard disk should be got approved by the Executive Engineer before use in work)			1 No. (Each)	
101	A19		Supply and laying of HDMI Cable 5mtrs with ISI mark of approved quality etc., all complete and as directed by the departmental officers.			1 RMT (One Running Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
102	A20		Supply and installation of 2MP IP/ bullet network Camera , Max Resolution:2MP, Video compression: H.265, WDR:120DB, LENS:4mm/Multi streaming IR range:30 Meter, Brand :HIKVISION/Similar (The brand should be got approved from the Executive Engineer before use in work).			1 No. (Each)	
103	A21		Supply and Installation of Network Video recorder (Upto 16 Channel IP Camera input) upto 6 MP resolution recording 2 SATA 1 USB 2.0, 1 Usb 3.0 support H.264+/H.264/MPEG4 video formats etc., all complete and as directed by the departmental officers.			1 No. (Each)	
104	A22		Supply and fixing of Network Switch : supply and installation of manageable L2 PoE switch, 24 port,10/100/1000, 2 SFP ports with support for Auto VLANs and support features like IP4/IP6, Qos, advanced security management PoE management along with 4U Rack should support 8023 at (802.3 at Type1) etc., all complete and as directed by the departmental officers.			1 No. (Each)	
105	A23		Supply and delivery of CAT 6 Cable with ISI mark etc. all complete and as directed by the departmental officers.			1 RMT (One Running Metre)	
106	A23(a)		Supply and installation of CAT 6 23AWG 4 Pair pure copper UTP cable etc., all complete and as directed by the departmental officers.			1 RMT (One Running Metre)	
107	24		Installation, Testing and commissioning of whole CCTV system with proper handing over & with proper Documentation etc., all complete and as directed by the departmental officers.			1 No. (Each)	
108	24(a)		Supply and installation of 32" LED MONITOR with good quality including cost of materials & conveyance etc., all complete and as directed by the departmental officers. (The brand should be got approved from the EE before supply)			1 No. (Each)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
109	A25		Supplying and installation of UPS Inverter panel 5KVA-Static UPS Without Battery 48V Static UPS to Support Computer Load & Non Computer Load. Cost does not include batteries and battery stand ,Requires6 Batteries Only Brand : EXIDE, Warranty: 36 Months with necessary connection and labour charges etc.,all complete as per standard specification and as directed by the Departmental Officers.(The brand should be got approved from the Executive Engineer before supply made).			1 No. (Each)	
110	A26		Supplying and installation UPS Battery 100AH Inverter Type Battery Stan master 100AH Flat Inverter Batteries Capable of Deep Discharging for longer back up time. Make:EXIDE/similar, Warranty -36 Months (The brand should be got approved from the Executive Engineer before use in work).			1 No. (Each)	
111	A27		Supply and fixing of Battery Stand for 100 AH: Cost of a Standard Battery Stand for housing 100 AH SMF Batteries, the cost is including battery terminal and inter linking cables etc., all complete and as directed by the departmental officers.			1 No. (Each)	
112	A28		Supply and fixing of WEATHER PROOF BOX FOR OUTDOOR CAMERA with proper position including materials and Labour etc., and as directed by the departmental officers.			1 No. (Each)	
113	A29		Supply, delivery and installation 32" LED SMART TV with multiple use (LG 32LT 340C / similar) commercial LED TV Resolution: 1366 x 768 (HD), screen size 32" with ISI mark including cost of stabilizer (V guard/similar) and the same should be fixed as where required etc.,, all complete as directed by the departmental officers.(The brand should be got approved from the Executive Engineer before supply made)			1 No. (Each)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
114	A30		Supply, delivery and installation and fixing TV DISH HD BOX with remote control necessary connection between TV and Dish including cable , screws with relevant standard specifications including Labour and as directed by the departmental officers.(The brand should be got approved from the Executive Engineer before use in work).			1 No. (Each)	
115	A31		Supplying and fixing smoke control automatic Sanitary napkin Disposal machine (disposal capacity of 25 nos/day) to the the site including cost of machine and cost of conveyance charges ect.,, all complete as where required and as directed by the departmental officers (the disposal capacity of the machine is 25 No's/day.) (The quality of the materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	
116	A32		Supplying and fixing of Automatic electrical water heater 5 STAR 15 LITRE CAPACITY VERTICAL WATER HEATER white blue including all connections etc.,all complete and as directed by the departmental officers. (The brand should be got approved from the Executive Engineer before use in work).			1 No. (Each)	
117	A33		Supply and fixing of Drinking water fountain with cooler (Usha model SP 4080/similar) Capacity:80 litres,Type: storage water cooler, Cooling capacity:40lit/Hr, Weight:42Kg, Refridgerant:R-22, Dimensions: 590X490X1200mm, Compressor-Reciprocating, Rated Current:2.5 Amp. including cost of materials, labour and transportation etc., all complete and as directed by the departmental officers. (The quality and brand should be got approved from the executive engineer before use)			1 No. (Each)	
118	A34		Supply and fixing sign- Board ACP Sheet & LED Board Design work ACP Sheet Board Size 15x3 Samsung Brand LED Bulb, L.E.D. transformer P.V.C & Foam cup letters all ways work , cost of all materials, labour charges and transporting charges etc., all complete and as directed by the departmental officers.			1 No. (Each)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
119	A35		Supply and fixing of stored pressure ABC (Mono Ammonium Phosphate) Powder Type Fire Extinguisher of 6 kg. capacity as per IS:15683 with pressure gauge, discharge hose & control nozzle, wall mounting bracket, safety clip etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc, complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT			1 No. (Each)	
120	A36		Supply and fixing of Carbon-di-Oxide Gas Type 4.5 kg. capacity Fire Extinguisher with ISI marked.as per New IS15683, complete with control valve, discharge hose with horn, wall mounting bracket, safety clip etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT			1 No. (Each)	
121	A37		Supplying & delivery of Plastic Garbage Bin of size 10" dia, 12" height including all materials and labour charges etc. all complete and as directed by the departmental officers.			1 No. (Each)	
122	A38		Supplying & delivery of of Plastic Garbage Bin with Lid (For Kitchen) of size 30x30x30cm 2 in 1 Red/Blue & Green dust bin dry & wet waste, 20 litre capacity including all materials and labour charges etc. all complete and as directed by the departmental officers.			1 No. (Each)	
123	A39		Supplying and delivery of Cotton blend Cloth door mat of size 1.0m x 0.45m with durable easy to clean and long lasting etc., all complete and as directed by the departmental officers.			1 No. (Each)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
124	A40		Supplying and fixing of Polyester curtain (ordinary Blinds) the plysurface of appoved colour and shade with grooves and lines and in patterns on specified area as instructed by architect/cliniet and including the cost of necessary hardwares, adhesives, melamine polising, wastages etc., all complete and as directed by the departmental officers.			1 M ² (One Square Metre)	
125	A41		Supplying and fixing of high speed Torpedo 400mm-wall mounting fan with suitable Vertical & Horizontal oscillation controls and single phase supply complete etc., (Orient make/similar) etc. all complete and as directed by the departmental officers.Speed:2100RPM, Voltage:230V, Air delivery 105CMM, Blade:aerodynamically designed & balanced blades, Top: Thrmal load protector Motor Speed:3, Input power:125W, Frequency: 50Hz:warranty: 2 years etc., all complete and as directed by the departmental officers.			1 No. (Each)	
126	A42		Run off mains with 2 wires of 1.5 Sqmm copper PVC insulated unsheathed single core 1.1KV cable wire contuinuous earth by means of 1.5 Sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable in fully concealed 19 mm / 20 mm dia rigid PVC conduit pipe heavy duty with ISI mark including cost of all materials, specials, etc., all complete. (OPEN WIRING)			1 RMT (One Running Metre)	
127	A43		Run off mains with 2 wires of 2.5 Sqmm copper PVC insulated unsheathed single core 1.1KV cable wire contuinuous earth by means of 1.5 Sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable in fully concealed 19 mm / 20 mm dia rigid PVC conduit pipe heavy duty with ISI mark including cost of all materials, specials, etc., all complete. (OPEN WIRING)			1 RMT (One Running Metre)	
128	A43(a)		Run off mains with 4 wires of 4 Sqmm copper PVC insulated unsheathed single core 1.1KV cable wire contuinuous earth by means of 2.5 Sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable in fully concealed 19 mm / 20 mm dia rigid PVC conduit pipe heavy duty with ISI mark including cost of all materials, specials, etc., all complete. (OPEN WIRING)			1 RMT (One Running Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
129	A43(b)		Wiring with 1.5 sqmm copper PVC insulated unsheathed single core 1.1 K.V. grade cable with continuous earth by means of 1.5 sqmm copper insulated unsheathed single core 1.1 k.v.grade cable in PVC rigid conduit pipe heavy duty with ISI with suitable size MS box of 16 g thick concealed and covered with 3mm thick laminated hylem sheet controlled by 5 amps flush type switch including circuit mains cost of all materials specials etc., all complete. (OPEN WIRING)				
			a) Light point with ceiling rose			Each Point	
130	A43(c)		Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming to IS: 694/1990, 1.1.k.v. grade cable with continuous earth by means of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming to IS: 694/1990, 1.1.k.v. grade cable in 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 5 amps 5 pin plug socket point at convenient places including circuit mains cost of all materials, specials, etc., all complete (OPEN WIRING)			Each Point	
131	A44		Providing Aluminium partition wall top with 1/3 5.5mm thick plain glass and bottom with 2/3 Novapan sheet 12mm tk. The outer frame top and bottom using rectangular box section No.9221 of size 101.50x44.450x2.0mm at weight of 1.975 kg/m and section vertical as well as horizontal using rectangular box section No.9222 of size 63.50x38.10x2.0mm at weight of 1.174 kg/m with accessories and furniture fittings including cost of materials required brass screws, plugs and labour and power consumption charges required for fabrication including necessary chipping holes in the R.C.C columns, beams by using masonry 10515 power drill to the required Depth and redoing the masonry to original condition after fixing. The Aluminium section anodized with matt finish under electrically condition in anodized according with ISI specification for anodized mildness of less than 15 microns all the clips should be of section no. 3979 of size 17.15x17.25x1.50 at weight of 0.176 kg/m the cost including the cost of materials rubber beading 'L' angle and sections etc., all complete and as directed by the departmental officers. (The quality of the materials should be got approved by the Executive Engineer before use in work)			1 M ² (One Square Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
132	A45		Supplying & fixing of LED bulbs suitable for fixing it to pendent / bakelite battern holder of best approved variety etc., all complete and as directed by the departmental officers a) 9 watts LED bulb			1 No. (Each)	
133	A46		Supplying and fixing of 18 Watts LED Tube light and fixing the tube light fittings on teak wood round blocks of 75mm dia 40mm deep suspended from ceiling or mounted on the wall etc., all complete and as directed by the departmental officers			1 No. (Each)	
134	A47		Supplying and fixing of 25 Watts LED lamp with street light fittings arrangements using 25mm dia GI "B" class pipe for 1.50m length including cost of materials labour charges for fixing of LED street light fitting in EB pole/wall etc all complete as per relevant standard specification and as directed by the departmental officers. (The quality of the 25 watts LED lamp with street light fittings should be got approved from the executive engineer before use)			1 No. (Each)	
135	A49		Supply and fixing of PVC Mosquito net with alround wooden scantling should be provided with 144 holes per square inch to windows, ventilators and clerestory windows using wire gauge with average width of aperture 1.4mm in both directions with wire of dia 0.50mm etc., all complete and as directed by the departmental officers. (The quality of mesh should be got approved from the Executive Engineer before use)			1 M ² (One Square Metre)	
136	A50		Supply and fixing of 4' x 3' Aluminium frame Notice board . Board has soft, durable fabric surface use pins or velcoro to hang papers, notes, memos. Fabric surface is permanently laminated to a 1/2" extra thick board to ensure long life . Frame is crafted from aluminium with corners without any sharp, pointing edge including cost of material, labour and transportation etc., all complete and as directed by the departmental officers.			1 No. (Each)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
137	A51		Supplying and delivery of Mixer Grinder 750W 4 Jars (Butterfly jet Elite Mixer/similar) Dimensions: 52x21x30.5CM (LxWxH), Voltage:220-240V,50-60Hz, revolution18500,Jars:4Jars with lid, Material:Stainless Steel Jars and and PC Juicer Jar, Body material:high quality ABS body, Cord material:180CM, Blade material:stainless steel, Speed control: 3 speed motor for faster and efficient grinding, Body made of ABS with shock free with necessary warranty etc., all complete and as directed by the departmental officers..(The brand and colour of the materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	
138	A52		Supplying and delivery of Table top Wet Grinder 2 Liters capacity (Butterfly rhino plus/similar) Wattage:150W, Volatge: 220 to 240V, 50-60Hz, Revolution:1300, No.of Jars:1,Jar size:2 litres, Jar material: stainless steel, Body material:high quality ABS body, Cord material:180CM, Speed control - 1 speed, 1 no.of griding stone, 1 No.of coconut scrapper, 1 no.of atta kneader, uniform grinding pressure, strudy high torque single phase motor, detachable ss drum and roller stone, efficient operating time: 20 minutes continuously with necessary warranty etc., all complete and as directed by the departmental officers.(The quality of the materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	
139	A53		Supplying and delivery of Refrigerator 255 liters with 3 Star direct cool single door base with necessary warranty and stand with drawers (Samsung/ Similar) Form factor:standard single door, pattern:solid, configuration: freeze on top, Cooling method:compressor, energy star:3 star, Dimensions: 64x54.9x161.5CM (LxWxH), Finishing type:Matt etc., all complete and as directed by the departmental officers.(The colour of the materials should be got approved by the Executive Engineer before use in work)			1 No. (Each)	
140	A54(a)		Supply and installation of 18mm PVC conduit Pipe with relevant standard specifications including Cost of materials and Labour charges etc., all complete and as directed by the departmental officers.			1 RMT (One Running Metre)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
141	A55		Supplying and fixing of First Aid Box complete with all First Aid Medicines of sterilized dressings, cotton wool 10GM, Antiseptic solution 100ml, burn ointment, Scissor, Digital Thermometer, Disposal Mask, Adhesive Microporous tape 1/2", Band Aid, Safety pins, Sofraxine cream, Cold rub, Roller Bandage 5CM, Roller Bandage 10CM, Cotton buds, First Aid guide booklet etc., all complete as per standard specification and as directed by the Departmental Officers.			1 No. (Each)	
142	A56		Hire Charges for deploying earth moving machinery (JCB/Poclain) for earthwork including diesel, oil and labour charges etc, all complete and as directed by the departmental officers.			1 hour (One Hour)	
143	A57		Labour charges for Cleaning light jungle in the work site including required tools & plants and dumping the waste material to out of site boundary etc. all complete and as directed by the departmental officers.			1 M ² (One Square Metre)	
144	A58		Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 1 no. of 6A 3 pin and 2 pin combined flush type wall socket with 6A flush type switch 6 Amps modular type single way switch, connections as required for rooms etc., all complete and as directed by the departmental officers.			1 No. (Each)	
145	A61		Supply and delivery, fixing of 0.47mm Galvanium sheet roof of approved quality with necessary J bolts with bitumen and GI washers including cost of Erection, Fasteners, Transportation charges and all other labour charges included etc., complete and as directed by the departmental officers.			1 M ² (One Square Metre)	
146	A62		Supply and fabrication of two wheeler shed truss work by using MS pipe 4" dia 4.50mm thick & 3" dia 4.05mm thick vertical post, Truss around using MS square tube 70x70x3mm and 40x40x3mm for truss intermediate, horizontal purlins including cost of labour charges for erection, fixing, transportation and one coat of red oxide primer etc., all complete.			1 Kg (One Kilogram)	

Sl. No	Item. No	Probable Quantity	Description of Work	TNBP No.	Rate in Figures And words	Unit in Figures and words	Amount
147	A63		Supply and fabrication of laundry shed truss work by using MS pipe 3" dia 4.05mm thick vertical post, Truss using MS square tube 70x70x3mm and 40x40x3mm for horizontal purlins including cost of labour charges for erection, fixing, transportation and one coat of red oxide primer etc., complete and as directed by the departmental officers.			1 Kg (One Kilogram)	
148	A66		Painting the Best Varnishing two coats over wood work including labour charges, cost of varnish, brushes including scrapping etc, all complete and as directed by the departmental officers.			1 M ² (One Square Metre)	
149	A67		Supplying, laying, fixing and jointing the following CPVC pipes as per ASTM D-1785 of schedule 40 of wall thickness			1 RMT (One Running Metre)	
150	A78		Supply and fixing of Sunshade arrangements to the existing ventilators by providing triangular shape MS square tube 40x40x3mm thick for vertical support, MS Square tube 25x25x2mm thick for horizontal strip and covering top with galvanium sheet 0.47mm thick including fixing charges the walls, MS coach screws one coat of Red oxide primer etc., all complete and as directed by the departmental officers.			1 M ² (One Square Metre)	
151	A79		Labour wrought and put up in position Flush shutters				
			a) Single leaf shutter			1 M ² (One Square Metre)	

TAMIL NADU POLICE HOUSING CORPORATION LTD.,
 No.1&7, Inspector quarters, PGR Line, Behind CPO Building,, Annadhanapatty, Linemedu,
 Salem – 636 006.

Schedule 'B'

Name of work: (Refer : Annexure – 'R' Sl.No.3)

Sl. No.	Drawing No.	Description	Remarks
1.		Lay out	Note: (i) All drawings to be signed by the contractor as well as the officer entering contract.
2.		Building Plan	
3.		Plan for doors and windows.	
4.		Rain water harvesting	

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 every kind, 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 red lead paint without claim for extra.
3. The Teak Wood shall be of best Indian Wood only and the country wood shall be species like Pillamarudu 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 steel rods for reinforcement for each RCC work shall be in accordance with the working drawings supplied.
7. The planks for form work 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 floor wise 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 for 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 Detailed Standard Specifications issued in the G.O. Ms. No. 2659, dated 23rd December 1970 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 Electrical Wireman, Supervisor, Contractors, 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 unprecedented 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 whatever 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.M1:3 in holes made in and not hammered into the walls. The size of plugs should be not less than 1"sq. 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 view 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 as per the provisions of the Tamil Nadu Revenue Recovery Act.
31. Any extension of time may not be granted by the authority unless the delay is caused by the department.
32. The contractor is bound by all the condition of clauses of standard General condition of contract as amended time to time if in 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.

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 Division 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 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 future.
44. The contractors those who have got registered their names in TNPHC Ltd (or) PWD in the appropriate class and monetary limit 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 (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 the registrar of firms with proof of renewal. (Copies should be duly attested by Notary Public/ 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 Public 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 Public / Gazatted Officer) along with the tender. The sole proprietor alone should sign in the tender document.
52. The contractor should have executed building works/related works most preferable.
List of completed and ongoing works in TNPHC and other Government department should be furnished by the tenderers along with tender.
The performance experience should be supported by the performance certificate issued by the concerned organization by an officer in Government department/responsible person of the private organization. Performance certificate should be within the past 5 years prior to the date of tender in having satisfactorily executed and completed works in similar nature.
In the performance certificate for executed building /related works with extension of time granted, the reason for EOT should be mentioned in the certificate issued by the concerned organization.
The Private experience should be supported along with TDS statement (ie Form 16A & Form 26AS)
The tenderer should furnish the Experience certificate with the details of Name of work, Name of Contractor, Date of Commencement of work, due date of completion, Actual date of completion, Actual completion cost, fine imposed if any and reason for delayed completion of work with extension of time details.
53. The tenderer should sign all the pages of the tender schedule without fail. Otherwise the tender will be summarily rejected.
54. The contractor should submit the TDS certificate issued by the Income tax department for the private work experience.
55. The copies of credentials, documents should be got attested by Notary public / Gazatted Officer of state or Central Government.
56. EMD exemption is not entertained vide G.O Ms.No.270 Finance (Salaries) department, Dated: 19.09.2017.
57. The tenderer should be registered with GST.
58. The total value of 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 and 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 prominently 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 exceed 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 receiptance 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 side 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 five feet clear space between roads 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.

9. **Insurance:**

The contractor should insure the workers employed by them at the site of work for a minimum of Rs. 1.00 lakh (Rupee One Lakh) each or more at his own cost.

TAMIL NADU POLICE HOUSING CORPORATION LTD.,
No.1&7, Inspector quarters, PGR Line, Behind CPO Building, Annadhanapatty, Linemedu, Salem – 636 006

Schedule 'E'

STATEMENT SHOWING FURNITURE FITTINGS FOR DOORS, WINDOWS & VENTILATORS

Sl. No.	Description	Door		Glazed wooden window Per bay for 135/120/105 cm overall height	Ventilator wooden (0.90 × 0.60m)	Remarks
		Single various sizes	Double various sizes			
1.	Aluminium butt hinges 125mm with brass screws	3 Nos.	6 Nos.	-	-	All the fittings should have ISI mark except Nylon Bush.
2.	Aluminium butt hinges 100mm with brass screws	-		-	-	-do-
3.	Aluminium butt hinges 75mm with brass screws	-		3 Nos.	-	-do-
4.	Aluminium Tower Bolt with brass Screws 150 × 12mm	2 Nos.	4 Nos.	-	-	-do-
5.	Aluminium aldop with bolts and nuts brass screws 250 × 16mm	1 No.	1 No.	-	-	-
6.	50 × 8m aluminium Tower Bolt with brass Screws	-		2 Nos.	-	-do-
7.	a) Aluminium door handles 150mm with flat section with brass screws	1 No.	2 Nos.	-	-	-do-
8.	Nylon bush with brass screws	1 No.	2 Nos.	1 No.	-	-do-
9.	Hooks and Eyes 3" (Aluminium)	-		-	1 No.	-do-
	Hooks and Eyes 6" (Aluminium)	-		1 No.	-	-do-
	Hooks and Eyes 8" (Aluminium)	-		-	1 No.	-do-
10.	Ventilators pivot with screws	-		-	2 pairs	-do-
11.	Door Stopper	1 No.	2 Nos.	-	-	-do-

*(Not applicable for PVC Door & UPVC windows & Ventilators)

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 shall take risk insurance at 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 (with GST) already remitted along with the tender
 - iii) Retention Money Deposit(with GST) : a) 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 future period of 4 years (AS per GO MS NO.283 public works (G2) Dept dated:21.05.1999)
5. The total value of 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. In the case 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
7. 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.
8. 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.
9. 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.
10. All the dismantled work should be made good to match the original surface.

11. 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.
12. The testing shall be done by the contractor at their own cost of the 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.
13. **In case 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 estimated 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 contractor with forfeiture of EMD furnished.**
14. The contractor shall make their own arrangements for the leveling instruments at site of work.
15. The tenderer / contractor will make his/her/their own arrangements to procure and use ISI Brand cement and ISI Brand steel required for the work.
16. 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.
17. 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
18. The tender shall be valid for a period of 90 days from the last date for receipt of tenders.
19. 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 works is began. 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 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.
20. The best class and renowned brand of approved quality of materials shall be allowed to use in the works. The samples of materials to be supplied / required (i.e. Cement, Sand, **M. Sand (Crushed stone sand)**, Bricks, Fly ash Bricks, Steel, HBS jelly, Electrical, Water supply, Sanitary items, Paints, Furniture fittings etc.,) for the work shall be got approved from the Chief Engineer / Superintending Engineer / Executive Engineer of concerned before delivery made.

21. Tenderer's representative participating in tender opening should produce the authentication letter from the tenderer on the date and time of opening of tender.
22. Tenders from joint ventures will not be considered.
23. All Xerox copies of the documents uploaded in the tender should be got attested from the notary public/ Gazatted officer.
24. Telegraphic tenders will not accepted.
25. The tenderers are not permitted to produce / submit any documents after opening / during opening of tender. The tenders along with the supporting documents received through online alone will be taken into account for processing of e-tender.

26. 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

27. 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.

**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 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.

ADDITIONAL SPECIFICATION FOR QUALITY OF MATERIALS AND TESTS TO BE CONDUCTED

Sl.No	Material to be Tested	Sampling	Name of test		Permissible Limits	Standards
1.	Water	<u>Lab Test:</u> <u>Local source</u> - once in 3 months <u>Out Source</u> – Once in a month				IS 456 – 2000 Clause 5.4
			(a)	To Neutralize 100 ml. of w water using phenolphthalein as an indicator (Acidity)	Not more than 5 ml. (or 50mg./lt) of 0.02 normal NaOH	
			(b)	To Neutralize 100ml. of water using mixed indicator (alkalinity)	Not more than 25 ml. (or 250mg. / lt.) of 0.02 normal H ₂ SO ₄	
			(c)	Solids		
				(i) Total Dissolved Solids	3000 mg/lt.	
				(ii) Sulphates (as SO ₄)	400mg/lt.	
				(iii) Chlorides (as Cl)	2000 mg/lt. for Concrete not containing embedded Steel and 500 mg/lt. for Reinforced Concrete work	
				iv) Suspended Matter	2000 mg/lt.	
		d)	pH value	Not Less than 6		
		<u>Field Test:</u> (Using Litmus paper) <u>Local Source</u> - Once in Fortnight <u>Out Source</u> (Lorry Load) – For Each Load	(a)	pH value	Not Less than 6	
2.	Cement (43 Grade)	One Test for Every 300 Tonnes of single Brand – (Test to be done, if there is change in Brand)				IS 269 – 2015
				(a)	Initial Setting Time	Not Less than 30 minutes
		(b)		Final Setting Time	Not More than 600 minutes	
		(c)		Fineness of Cement		Not less than 225 m ² /kg
				(i) By Permeability Method		
				(or)	Retained not More than 10%	
		(ii) By Standard Sieve Test				
		(d)		Soundness of Cement		Expansion not More than 10 mm
		(i) By Le – Chatelier Method				
		(or)				
		(ii) By Auto clave Test		0.80 %		
		(e)		Compressive strength of C.M. (1:3) cube		Not Less than 23 M Pa (or) 230 kg / cm ²
				(i) 3 days (72+/-1hr)		
				(ii) 7 days (168+/-2hr)	Not Less than 33 M Pa (or) 330 kg / cm ²	
			(iii) 28 days (672+/-4hrs)	Not Less than 43 M Pa (or) 430 kg / cm ²		
3.	(a) Mild Steel (Grade I – Fe 250)	Each Load and Each Diameter (Min. 3 samples)				IS 432 (Part I) – 1982
			(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		
	(b) High Strength Deformed Bars (Fe 415)	Each Load and Each Diameter (Min. 3 samples)				IS 1786 - 2008
			(a)	0.20 % Proof Stress / yield Stress	Min. 415 N / MM ² (or) 41.50 kg / MM ²	
			(b)	Elongation	Min. 14.50 %	
			(c)	Tensile Strength	10% More than the Actual Proof Stress, But not Less than 485 N / MM ² (or) 48.50 kg / MM ²	
			C) High Strength Deformed Bars (Fe 500)	Each Load and Each Diameter (Min. 3 samples)	(a)	
(b)	Elongation	Min. 12.0 %				
(c)	Tensile Strength	8% More than the Actual 0.2 percent Proof Stress, But not Less than 545 N / MM ² (or) 54.50 kg / MM ²				
4.	Sand	Each Load	Clay, Fine Slit and Fine Dust		Not More than 5% by Mass	IS 2116 – 1980
5.	Coarse Aggregate	Every Quarry	a) Either Crushing value (or) Impact value			IS 383 – 1970
			(i) Crushing Value	Not More than 45%		
	Aggregates used for concrete other than wearing surfaces					

Sl.No.	Material to be Tested	Sampling	Name of test		Permissible Limits	Standards	
				Aggregates used for concrete for wearing surfaces (such as Roads, Pavements)	Not more than 30%		
				(or) Alternatively	Not more than 45% by weight		
				(ii) Impact value			
				Aggregates used for concrete other than wearing surfaces	Not More than 30% by weight		
			Aggregates used for concrete for wearing surfaces (such as Roads, Pavements)				
			(b)	Abrasion Value	Not More than 30%		
				For Aggregates to be used in concrete for wearing surfaces			
	For Aggregates to be used in other concrete	Not More than 50%					
6.	Bricks	Lot size –For Every One Lakh Bricks – (Number of Samples – 20 nos.)				IS 1077 – 1992	
			For Class 35		Not Less than 35 kgf / cm ² (or) 3.50 N / MM ²		
			(a)	Compressive Strength			
			(b)	Water Absorption	Not More than 20% by weight		
			(c)	Efflorescence	Rating not more than Moderate		
			For Class 50		Not less than 50 Kg/cm ² (or) 5.0 N/MM ²		
			(a)	Compressive strength			
			(b)	Water Absorption	Not more than 20% by weight		
			(c)	Efflorescence	Rating not more than Moderate		
6.a)	Fly ash bricks		(a)	Compressive strength	Not less than 100 Kg/cm ² (or) 10.0 N/MM ²		
7.	Hydraulic pressed Tiles	One test for area upto 1999 sq.m and one additional test for every 1000 sq.m. and part thereof				Part I – of IS 2690 – 1993	
			(a)	Water Absorption	Shall not exceed 15%		
			(b)	Flexural Strength	Shall not be less than 20 Kg / cm ²		
8.	Vitrified Tiles	One test for area upto 1999 sq.m and one additional test for every 1000 sq.m. and part thereof				IS 15622 – 2006	
			Deviation percent & Width (2 of 4 sides)		± 0.10		
			Deviation percent in thickness		± 4.00		
			Maximum Deviation percent in Rectangularity		± 0.10		
			Surface Flatness (Warpage)		± 0.20		
			Water absorption percent by mass		Average < 0.08 Individual max 1.0		
			Modulus of rupture in N/mm ²		Average 47, Individual 44 min		
			Breaking strength in, N		>7.5 mm thickness, 1500 (min)		
			Scratch hardness of surface (mohs)		6, Min		
			Bulk density in (g/cc)		2.20 Min		
			Impact Resistance & Chemical properties Resistance		Required		
9.	Electric Cable	One test for each Brand, each size	Conductor resistance at 20 ^o C			IS 664 – 1990	
			For 1.5 Sq.mm cable		Max. allowable limit 12.10 Ohm / Km		
			For 2.5 Sq.mm cable		Max. allowable limit 7.40 Ohm / Km		
			For 4.0 Sq.mm cable		Max. allowable limit 4.95 Ohm / Km		
10.	Wood	One sample for each work	Lab Test – Moisture Test		Not more than 12%	IS 287 – 1993	
			Field Test – Visual observation		Free from Rotten, unsound knots (or) knots incluster	IS 3629 - 1960	
11.	Cube test in Lab		Compressive strength of 150mm Cube		Not More than 5% by Mass	IS 456– 2000	
			Standardized concrete M20				
			1 to 5 m ³ - 1 set	7 days	Not less than 135 Kg / cm ²		
			6 to 15 m ³ - 2 sets	28 days	Not less than 200 Kg / cm ²		
			16 to 30 m ³ - 3 sets				
			31 to 50m ³ - 4 sets				
		>50m ³ —4plus one for each add 50m ³	Standardized concrete M25				
			(1 set =3 cubes)		7 days		Not less than 170 kg/cm ²
					28 days		Not less than 250 kg/cm ²
			Standardized concrete M30				
			7 days		Not less than 205 kg/cm ²		
			28 days		Not less than 300 kg/cm ²		
12.	Slump test	Type of work	With vibration		Without vibration		
	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		
		RCC foundation, substructures, thick walls and other heavy sections	26 to 50		40 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				

Sl.No.	Material to be Tested	Sampling	Name of test	Permissible Limits	Standards
13	M-Sand				IS: 383-2016 (3 rd Revision) For Zone-II
13.1	Test for Size and Grading of Aggregate				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%	
13.2	Test for Specific Gravity			Shall be between 2.1 and 3.2	IS: 2386(Part-III)-1963
13.3	Test for Water absorption, %			Shall not be more than 5%	
13.4	Test for Bulk density				
		a)	Bulk density in Kg/l-loose condition	Limit not specified	
		b)	Bulk density in Kg/l-compacted condition	Limit not specified	
13.5	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 µm IS sieve	Shall not be more than 10%	
		d)	Organic Impurities	Shall pass the test	
		e)	Stilt content	Limit not specified	
13.6	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%	
13.7	Test for Total Alkali Content				
			Total alkali content as Na ₂ O	Shall not be more than 0.3%	
13.8	Test for Sulphate content				
			Test for Sulphate content as SO ₃	Shall not be more than 0.5%	
13.9	Test for Acid Soluble Chloride content			Shall not be more than 0.04%	
13.10	Test for Alkali Aggregate reactivity		Acceleration Mortar bar Method		
			The Avg expansion of accelerated mortar bar after 16 days of curing %	1. Expansion <0.10% - Innocuous behavior of aggregate. 2. Expansion 0.10 to 0.20% - Innocuous and deleterious aggregate. 3. Expansion >0.20% - Potentially deleterious aggregate	
13.11	Test for Bulking of Sand			Limit not specified	IS: 2386(Part-III)-1963

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 Assistant 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	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.

ALTERNATIVE

- 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.**
- | | | |
|------|--|---|
| 1.6. | Above Rs.50 Lakhs | To be examined in individual case depending on the nature of 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
-------------	----------------------	-------------------

I / we 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
---	---------------	------------

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 good by the Department will be made 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 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" (3 mm) helium/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/pains 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 fitting 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 galvanized stone enameled finished. The saddles used shall not be less than 24 gauge upto 25mm dia pipes and not less than 20 gauge for inner dia pipes.

27. The main earthening shall not less than 8 SWG copper (4.06mm) in case of copper wire earthening or 6 SWG.GI wire (4.98mm) in case of G.I. wire earthening. Separate earthing shall be provided for all mountings of rain Boards, distribution boards, 5/51 amps. 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, plugpoint etc., should be restricted to three points for a single wire from the switch board.
31. The wooden batten and specials shall not butt jointed and joints should be lap joined.
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 along with sum of the quoted tender value excluding GST at the end (both in figures and words).
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), dt: 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 bid 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 TNPSC 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 sum equivalent to 5% (Five Percent) of the total value (including the Goods and Services Tax (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 specified 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 amount of 2½ % including GST (Two and half Percent) of the total value of contract after deducting any amount due to 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 Sl.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. In the final bill, the Goods and Service 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 Service Tax (GST) Act 2017 in the tender form. The Central Goods and Service (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.

ANNEXURE – ‘PG’ (specimen of the sales Tax Verification Certificate)					
FORM OF CERTIFICATE OF SALES TAX VERIFICATION					
1. Name and style in which the applicant is issued or assessable to sales tax and address for the purpose of assessment.					
2. Name and address of all companies, firms or associates or persons in which the applicant is interested in his individual or fiduciary capacity. Places of business of the applicant (All places of business should be mentioned).					
3. The District, taluk and division in which the applicant is assessed to sales Tax (all the places of business should be furnished)					
4. (a) Total contract amount or value or patronage received in the preceding year.					
2016 - 2017					
(b)	Particulars of sales tax for the preceding years				
Year	Total Taxable Turnover Rs.	Total tax assessed Rs.	Total tax paid Rs.	Balance due Rs.	Reason for balance Rs.
2016 - 2017					
(c)	If there has been no assessment in any year whether returns were submitted and if they were division in which the returns were sent				
(d)	Whether any penal action or proceedings for recovery of sales tax is pending				
(e)	The names and addresses of branches, if any				

I declare that the above information is correct and complete to the best of my knowledge and belief

PLACE:.....

Signature.....

DATE :.....

To be filled in by the Assessing Authority

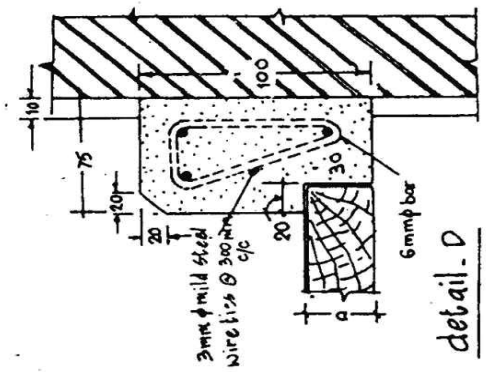
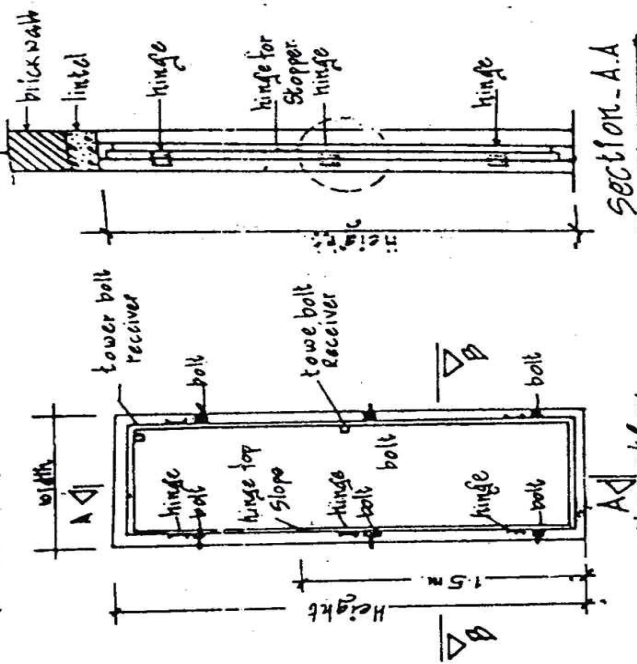
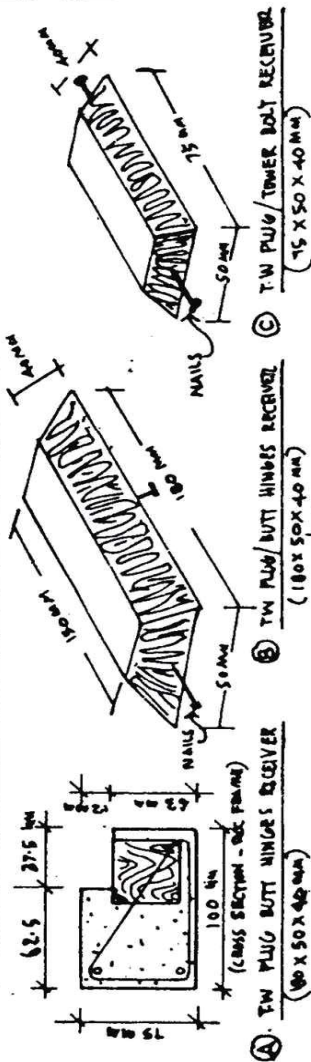
In my opinion the applicant mentioned above has been doing everything possible to pay the demand promptly and regularly and to facilitate to completion of pending proceedings.

PLACE:.....

Signature.....

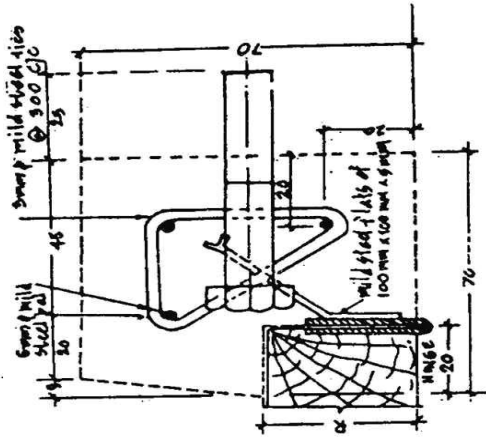
DATE :.....

DETAILS BASED ON I.S. CODE 6523 OF 1963



Schedule of door frame

Type	A	B
1	1000	2100
2	900	2100
3	700	2100



note: all dimension are mm.

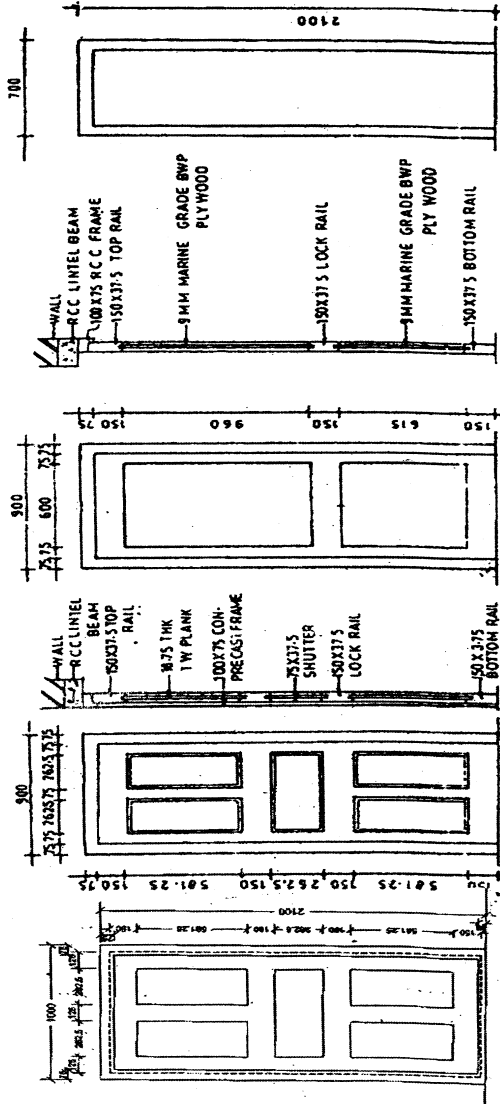
TAMILNADU POLICE HOUSING CORPORATION

NO.1, WHITES ROAD CHENNAI.14

reinforced concrete door frame:

Concrete Strength : m 200 [1 : 1 1/2 : 3]

Typical detail of Concrete door frame



PVC DOOR(700 X 2100)
(FOR DETAIL REFER
SPECIFICATIONS IN
SCHEDULE A ANNEXURE

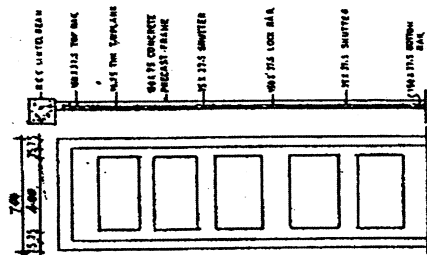
SECTION

DOOR DI A (900 X 2100)

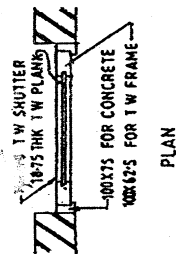
SECTION

00000 011900 XZ1001

DOOR: 0 4000 X 2100)



DOOR C-74032001 SECTION OF
DOOR



PLAN

DOOR DESIGNS

~~DRAUGHTSMAN~~

ARCHITECT

10/11/21: 8/8/21

BY ENGINEER

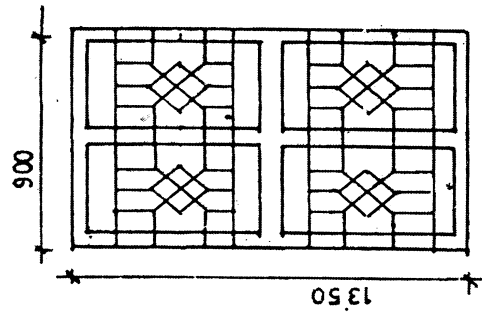
cm. 6/11

SUPOT. ENGINEER

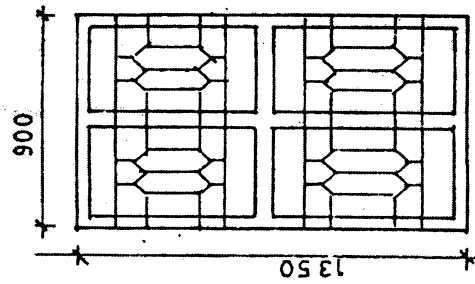
SCALE	00/53/01
-------	----------

TAMILNADU POLICE HOUSING CORPORATION
NO. 1, WHITES ROAD. CHENNAI-16.

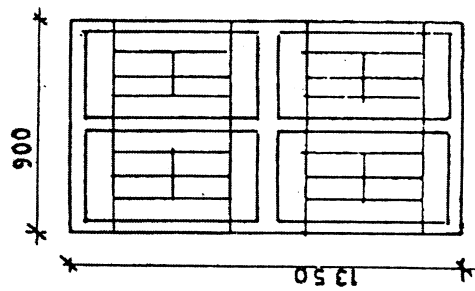
SHEET NO 2



GRILL G1



GRILL G2



GRILL G3

GRILL G4

APPD GRILL DESIGNS

TAMILNADU POLICE HOUSING CORPORATION LTD.,
NO.1, WHITESROAD, CHENNAI - 600 014.

GRILL DESIGN S

P. G. Sundar
draughtsman

V. S. Aravind
asst. architect

P. S. Aravind
asst. engg. engineer

P. S. Aravind
eng. engineer

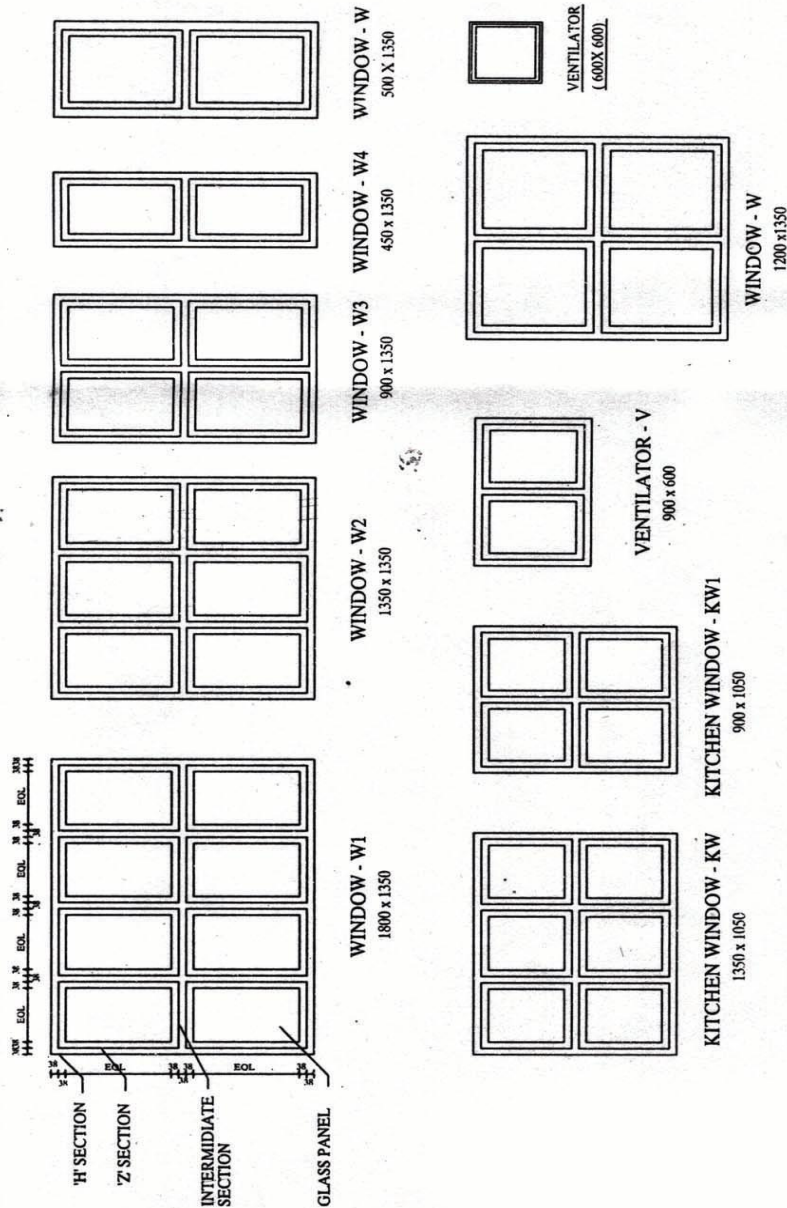
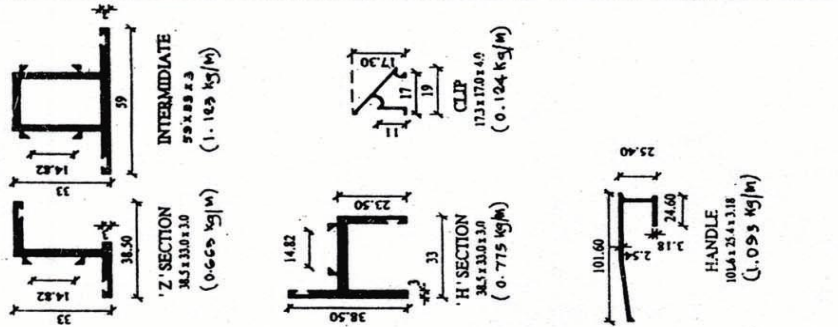
P. S. Aravind
subdt. engineer

P. S. Aravind
chief engineer

S D

4/99

DETAILS OF ALUMINIUM SECTIONS

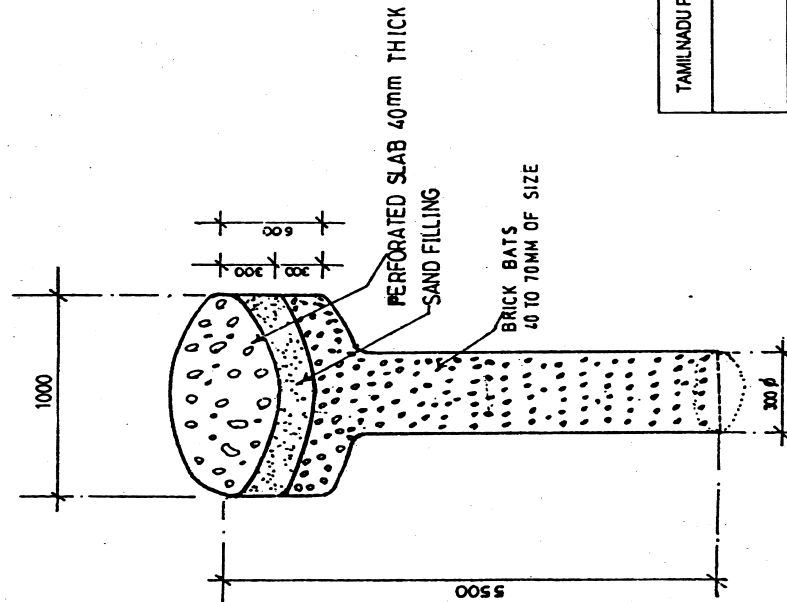


SPECIFICATION

1. ALUMINIUM 'M' SECTION OF SIZE 38.50 X 33.00MM OF 3MM THICKNESS.
2. 'Z' SECTION OF SIZE 38.50 X 33.00MM OF 3MM THICKNESS. (FOR SHUTTER)
3. INTERMEDIATE SECTION OF SIZE 59.00 X 33.00MM OF THICKNESS 3MM.
4. 3MM THICKNESS GLASS PANELS.
5. CLIP FOR GLASS OF SIZE 17.30 X 17.00MM OF THICKNESS 4MM.
6. HANDLE 4 Nos OF SIZE 101.60MM THE CLIP USED AS BEEDING FOR HOLDING THE GLASS.

JOINERY DETAIL - ALUMINIUM	
OPENABLE WINDOWS & VENTILATORS	
Draughtsman <i>[Signature]</i>	Architect <i>[Signature]</i>
Est. Engineer <i>[Signature]</i>	Supvt. Engineer <i>[Signature]</i>
Scale: 1:25	Dwg. No.:
TAMILNADU POLICE HOUSING CORPORATION LTD.	
NO. 1, WHITE ROAD, CHENNAI-600 014.	

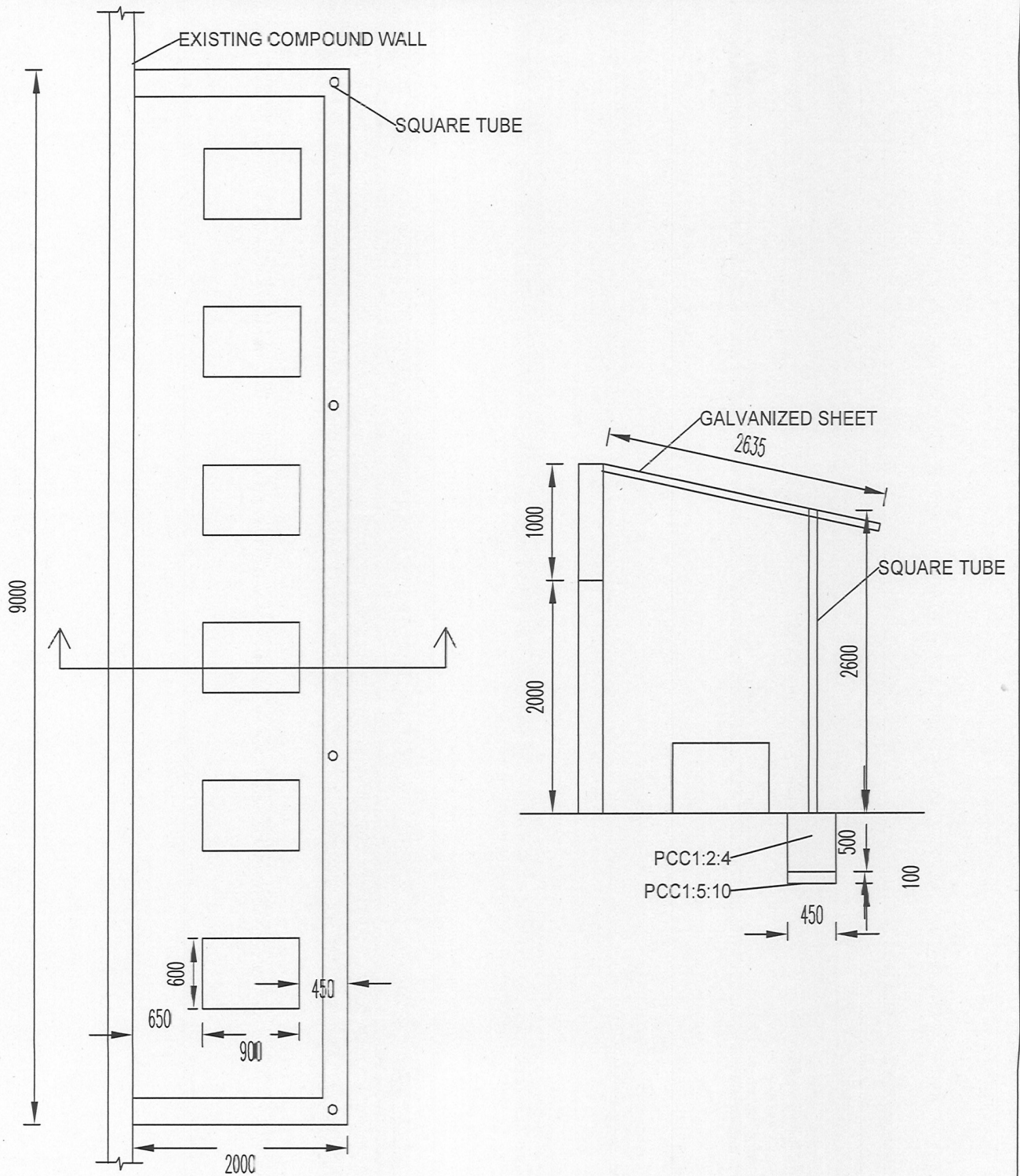
RAIN WATER HARVESTING THROUGH DEFUNCT FOREWELLS



TAMILNADU POLICE HOUSING CORPORATION LTD

DIMENSIONS ARE IN MM
NOT TO SCALEV. S. S. S.
Drawn ByS. S. S. S.
Senior Drafting OfficerS. S. S. S.
Assistant Executive EngineerS. S. S. S.
ArchitectS. S. S. S.
Superintending EngineerS. S. S. S.
Chief Engineer

PROVIDING LOUNDRY SHED FOR WORKING WOMEN'S HOSTEL AT VELLORE IN VELLORE DISTRICT

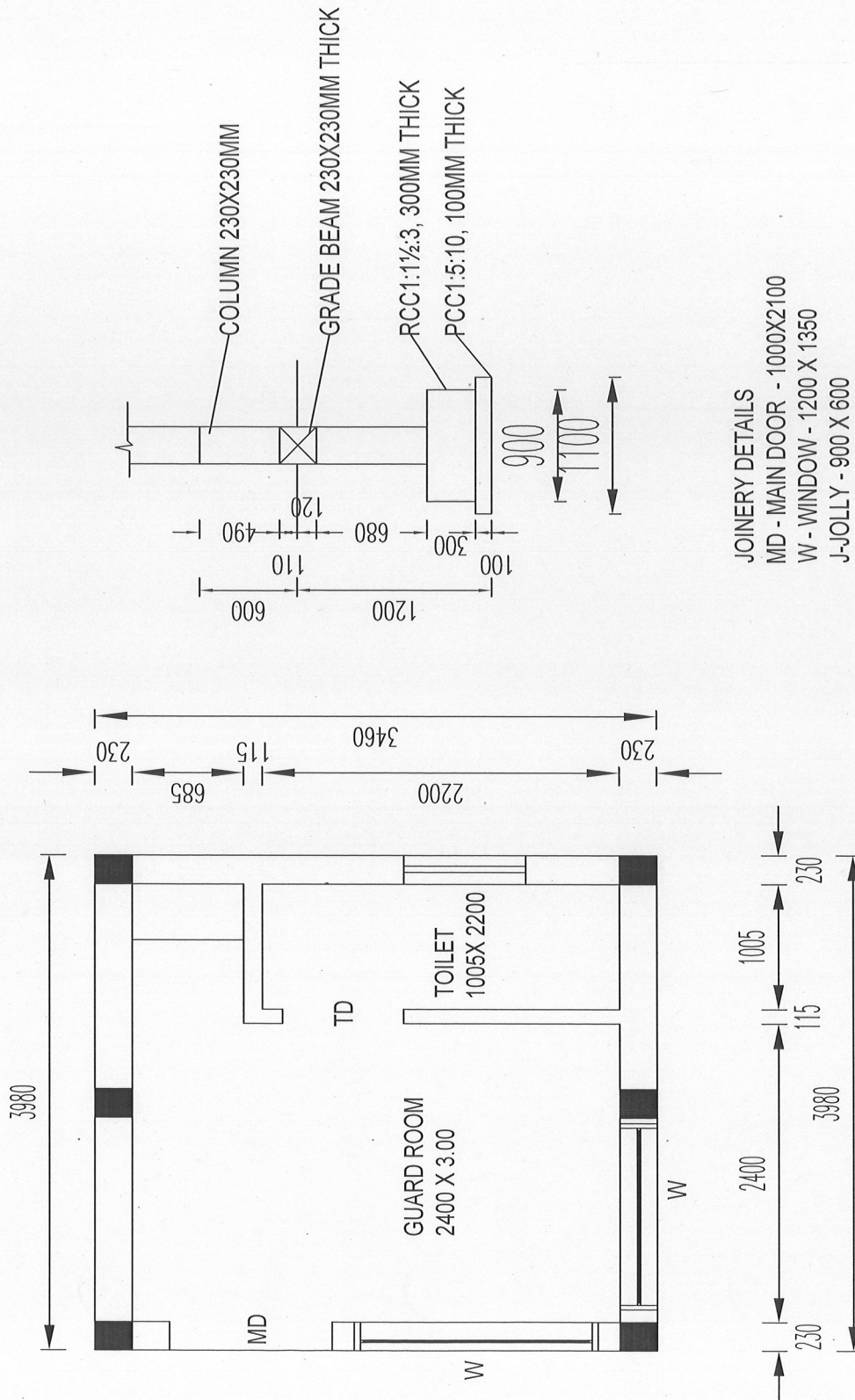


CONTRACTOR

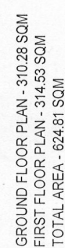
NO. OF CORRECTIONS

SUPERINTENDING ENGINEER/NORTH CIRCLE

CONSTRUCTION OF GUARD ROOM FOR WORKING WOMEN'S HOSTEL AT VELLORE IN VELLORE DISTRICT







FIRST FLOOR PLAN

