



PUDUCHERRY SMART CITY DEVELOPMENT LIMITED
(GOVERNMENT OF PUDUCHERRY UNDERTAKING)

**NAME OF WORK: CONSERVATION, RESTORATION AND
REDEVELOPMENT OF CALVE COLLEGE
HERITAGE SCHOOL BUILDING AT PUDUCHERRY**

NOTICE INVITING TENDER

(THROUGH e-TENDER MODE)

FORM – 6

Certified that this NIT contains 276 items serially
numbered from 1 to 276

This NIT contains 146 pages and approved for an amount of
Rs. 5,04,63,457 (Rupees Five crore four lakhs sixty three thousand
four hundred and fifty seven only)

NOTICE INVITING TENDER

Tender for the work of : **CONSERVATION, RESTORATION
AND REDEVELOPMENT OF CALVE
COLLEGE HERITAGE SCHOOL
BUILDING AT PUDUCHERRY**

Approximate cost put to Tender : **₹ 5,04,63,457/-**

Earnest Money Deposit (to be returned after receiving PG) : **NIL
(Bid Security Declaration Form to be enclosed)**

Date of Tender : **16.07.2021**

This tender contains : **146 pages**

Time allowed for the work : **18 months** including monsoon period

**CHIEF EXECUTIVE OFFICER
PUDUCHERRY SMART CITY
DEVELOPMENT LIMITED
PUDUCHERRY**

PUDUCHERRY SMART CITY DEVELOPMENT LIMITED
(GOVERNMENT OF PUDUCHERRY UNDERTAKING)

NOTICE INVITING TENDER for e-Tendering

1. ~~Percentage~~/ Item rate tenders are invited on behalf of the Puducherry Smart City Development Limited from eligible contractors / firms for the work of **“CONSERVATION, RESTORATION AND REDEVELOPMENT OF CALVE COLLEGE HERITAGE SCHOOL BUILDING AT PUDUCHERRY”** through e-Tender in online.

1.1 The work is estimated to cost ₹ 5,04,63,457/-. This estimate, however, is given merely as a rough guide.

The enlistment of the contractors should be valid on the last date of submission of tenders.

In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.

1.2 Tender can be downloaded from e-Tender website www.pudutenders.gov.in by the eligible contractors/firms registered in Railways / MES/BSNL/CPWD/ any state and Union Territory PWD should produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of having satisfactorily completed similar works of magnitude specified below during the last **7 years ending previous day of last date of submission of tenders**.

For the purpose of this clause **“Similar works” means Civil Construction works (Buildings)**.

1.2.1 Conditions for contractors eligibility

Three similar completed works costing not less than 40% of the estimated cost put to tender

(OR)

Two similar completed works costing not less than 60% of the estimated cost put to tender

(OR)

One similar completed work costing not less than 80% of the estimated cost put to tender

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of submission of tenders.

1.2.2 To become eligible for issue of tender, the tenderers shall have to furnish an affidavit as under:

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Puducherry Smart City Development Limited, then I/we shall be debarred for tendering in Puducherry Smart City Development Limited in future forever. Also, if such a violation comes to the notice of Puducherry Smart City Development Limited before date of start of work, the Chief Executive Officer shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (Scanned copy to be uploaded at the time of submission of tender)

1.2.3 All the contractors as per provisions of clause 1.2.1 above, it will be mandatory to upload the work experience certificate(s) and the affidavit as per the provisions of clause.1.2.2. Particulars of completed works for fulfilling the eligibility criteria duly authenticated / certified by an officer not below the rank of Executive Engineer or equivalent in Government Organisation be furnished separately for each completed work.

~~1.2.4. But for such tenders, registered contractors of Public Works Department in Puducherry are eligible to submit the tenders without submission of work experience certificate and affidavit. Therefore, Puducherry Public Works Department registered contractors shall upload two separate letters for experience certificate and affidavit that these documents are not required to be submitted by them. Uploading of these two letters is mandatory otherwise system will not clear mandatory fields.~~

2. Agreement shall be drawn with the successful tenderers on prescribed Puducherry Smart City Development Limited Form No. 7/8. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

3. The time allowed for carrying out the work will be **18 Months** (including monsoon period) from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.

~~4. (i) The site for the work is available.~~

OR

The site for the work shall be made available in parts as per execution of work:

~~(ii) The architectural and structural drawing for the work is available~~

OR

The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of work.

5. The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website www.pudutenders.gov.in at free of cost.

6. After submission of the tender the contractor can re-submit revised tender any number of times but before last time and date of submission of tender as notified.

7. While submitting the revised tender, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.

8. When tenders are invited in three stage system and if it is desired to submit revised financial tender then it shall be mandatory to submit revised financial tender. If not submitted then the tender submitted earlier shall become invalid.

~~9. Tenders shall be accompanied with Bid Security Declaration Form for Earnest money in cash (upto ₹ 10,000/-) through DIRECT DEBIT / NEFT / RTGS mode only through online in favour of the Chief Executive Officer, Puducherry Smart City Development Limited, for which necessary challan will be available in the website.~~

~~A part of earnest money is acceptable in the form of bank guarantee also, when the amount of Earnest money is more than ₹ 5.00 Lakhs.~~

~~In such case minimum 50% of EMD or ₹ 20.00 Lakhs whichever is less will have to be deposited in shape prescribed above and balance amount of earnest money can be accepted in the form of Bank Guarantee issued by the scheduled bank having validity for 6 months or more from the last date of~~

~~receipt of tenders which is to be scanned and uploaded by the intending tenderers and the successful tenderer shall extend the validity of such Bank guarantee for the period of completion plus 12 months maintenance period.~~

~~The physical Bank Guarantee for part of the EMD of the scanned copy uploaded shall be deposited by the lowest tenderer within a week after opening of financial tender failing which the tender shall be rejected.~~

~~The following undertaking in this regard shall also be uploaded by the intending tenderers:-~~

~~"The Physical Bank Guarantee for part of the EMD shall be deposited by me/us with the Chief Executive Officer calling the tender in case I/we become the lowest tenderer within a week of the opening of financial tender otherwise Puducherry Smart City Development Limited may reject the tender and also take action to withdraw my/our enlistment/debar me/us from tendering in Puducherry Smart City Development Limited~~

Interested contractor who wish to participate in the tender has also to make following payments within the period of tender submission:

e-tender processing fee - ₹ 1500/- + 5% GST (non-refundable) shall be payable using payment e-gateway of ICICI Bank through internet banking or RGTS/NEFT facility drawn in favour of **the Chief Executive Officer, Puducherry Smart City Development Limited, Puducherry.**

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice including GST registration certificate shall be scanned and uploaded to the e-Tendering website within the period of tender submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest tenderer ~~only along with physical Bank Guarantee for part of the EMD of the scanned copy of EMD uploaded~~ within a week physically in the office of tender opening authority.

Online tender documents submitted by intending tenderers shall be opened only of those tenderers, who has deposited e-Tender Processing Fee and Earnest Money Deposit through the payment gateway provided on e-tender portal <https://pudutenders.gov.in> and other documents scanned and uploaded are found in order.

The tender submitted shall be opened at 11.00 AM on 16.07.2021

10. The tender submitted shall become invalid and e-tender processing fee shall not be refunded if:

- (i) The tenderer is found ineligible.
- (ii) The tenderer does not upload all the documents (including GST registration) as stipulated in the tender document ~~including the undertaking about deposition of physical EMD of the scanned copy of EMD uploaded.~~
- (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of tender and hard copies as submitted *physically by the lowest tenderer* in the office of tender opening authority.
- (iv) ~~If part of the EMD drawn in the form of Bank Guarantee the contractor should upload the scanned copy of the same. The physical Bank Guarantee shall be deposited by the lowest tenderer with in a week after opening of financial tender failing which the tender shall be rejected.~~
- (v) ~~The lowest tenderer does not deposit physical Bank Guarantee for part of the EMD within a week of opening of tender.~~

11. The contractor whose tender is accepted will be required to **furnish performance guarantee of 3% (Three Percent) of the tender amount** within the period specified in Schedule F. This guarantee shall be in the form of Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/ Term Deposit receipt/ Pay order of any Scheduled Bank or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. ~~The earnest money deposited alongwith tender shall be returned after receiving the aforesaid performance guarantee.~~

- (a) ~~On evaluation of tender and if the tender is found that the overall amount quoted is 15.00% below and more than 15.00% below, then the contractor shall be asked to pay an additional performance guarantee amounting to 50% of the difference between the quoted amount and estimate cost put to tender. Failure to furnish the additional performance guarantee over and above the normal performance guarantee of 3% within the specified period from the date of receipt of acceptance letter, shall entitle cancellation of award and forfeiture of EMD furnished.~~
- (b) This period can be further extended at the written request of the contractor by the Chief Executive Officer for a maximum period ranging from 1 to 15 days with late fee @ 0.1% per day, of performance guarantee amount.

In case the contractor fails to deposit the said performance guarantee and additional performance guarantee, if any, within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

12. The description of the work is as follows:

“CONSERVATION, RESTORATION AND REDEVELOPMENT OF CALVE COLLEGE HERITAGE SCHOOL BUILDING AT PUDUCHERRY”

Intending Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The tenderers shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Puducherry Smart City Development Limited and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the Puducherry Smart City Development Limited does not bind himself to accept the lowest or any other tender and reserves to himself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderers shall be summarily rejected.

14. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.

15. The competent authority on behalf of Puducherry Smart City Development Limited reserves to himself the right of accepting the whole or

any part of the tender and the tenderers shall be bound to perform the same at the rate quoted.

16. The contractor shall not be permitted to tender for works in the Puducherry Smart City Development Limited responsible for award and execution of contracts, in which his near relative is posted as an officer in any capacity. He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives as an officer in any capacity in the Puducherry Smart City Development Limited (PSCDL), Union Territory of Puducherry. Any breach of this condition by the contractor would render him liable to be removed.

17. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

18. The tender for the works shall remain open for acceptance for a period of ~~thirty/ forty five/ sixty/~~ **ninety** (30/45/60/**90**) days from the date of opening of tenders in case of single tender system/~~Ninety(90) days from the date of opening of technical bid in case bids are invited on 2 bid/envelop system/ One hundred twenty(120) days from the date of opening of technical bid incase bids are invited on 3 bid/envelope system for specialized work~~ (strike out as the case may be). If any tenderers withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the Puducherry Smart City Development Limited, then the Puducherry Smart City Development Limited shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderers shall not be allowed to participate in the rebidding process of the work.

19. This notice inviting Tender shall form a part of the contract document. The successful tenderers/contractor, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-

- (a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the rates

quoted online at the time of submission of tender and acceptance thereof together with any correspondence leading thereto.

(b) Standard PSCDL Form 7/8 or other Standard PSCDL Form as applicable.

20. PSCDL reserves all rights to accept or reject any bid and to cancel and reschedule the bidding process, at any time prior to opening and award of the Contract, without assigning any reason there of. Any liability to the participated bidders due to rescheduled / cancellation of tender, the PSCDL is not responsible for the same.

Signature of Chief Executive
Officer

**PUDUCHERRY SMART CITY DEVELOPMENT LIMITED
(GOVERNMENT OF PUDUCHERRY UNDERTAKING)**

STATE : PUDUCHERRY
PUDUCHERRY

REGION :

~~Percentage Rate Tender~~/Item Rate Tender & Contract for Works

(A) Tender for the work of:-

**“CONSERVATION, RESTORATION AND REDEVELOPMENT OF
CALVE COLLEGE HERITAGE SCHOOL BUILDING AT
PUDUCHERRY”**

(i) To be submitted/uploaded by 4:00 PM on 30.06.2021 to 4:00 PM on 15.07.2021 /upload at www.pudutenders.gov.in

(ii) To be opened in presence of tenderers who may be present at **11:00 AM on 16.07.2021** in the office of Puducherry Smart City Development Limited.

Issued to:*

Signature of officer issuing the documents*

Designation:

Date of Issue:

* Not Applicable for
e-tendering

TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Chief Executive Officer, Puducherry Smart City Development Limited within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for ~~thirty/ forty five/ sixty/~~ **ninety** (30/45/60/90) days from the due date of its opening in case of single bid system / ~~Ninety(90) days from the date of opening of technical bid in case tenders are invited on 2 bid/envelope system/ One hundred twenty(120) days from the date of opening of technical bid in case bids are invited on 3 bid/envelope system for specialised work~~ (strike out as the case may be) and not to make any modification in its terms and conditions.

~~A sum of Rs. ₹ _____/- is hereby forwarded in cash (upto ₹ 10,000/-) through DIRECT DEBIT / NEFT / RTGS mode through online as earnest money.~~

This tender is accompanied with Bid Security Declaration Form for Earnest Money Deposited through ~~DIRECT DEBIT / NEFT / RTGS mode through online~~ in favour of the Chief Executive Officer, PSCDL ~~/bank guarantee issued by a scheduled bank is scanned and uploaded~~ (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said on behalf of the Puducherry Smart City Development Limited or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that on behalf of the Chief Executive Officer, Puducherry Smart City Development Limited or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Puducherry Smart City Development Limited, then I/We shall be debarred for tendering in Puducherry Smart City Development Limited in future forever. Also, if such a violation comes to the notice of Puducherry Smart City Development Limited before date of start of work, the Chief Executive Officer shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived therefrom to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated

Witness:

Address:

Occupation:

Signature of Contractor
Postal Address

A C C E P T A N C E

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Puducherry Smart City Development Limited for a sum of Rs.....
(Rupees.....
.....
.....)

The letters referred to below shall form part of this contract agreement:-

(a)

(b)

(c)

For & on behalf of the PSCDL

Signatures.....

Designation.....

Dated:

PUDUCHERRY SMART CITY DEVELOPMENT LIMITED
(GOVERNMENT OF PUDUCHERRY UNDERTAKING)

GENERAL RULES & DIRECTIONS:

1. All work proposed for execution by contract will be notified in a form of invitation to tender pasted in public places and signed by the officer inviting tender or by publication in News papers or posted on website as the case may be. This form will state the work to be carried out, as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be deposited with the tender, and the amount of the security deposit and Performance guarantee to be deposited by the successful tenderer and the percentage, if any, to be deducted from bills. Copies of the specifications, designs and drawings and any other documents required in connection with the work signed for the purpose of identification by the officer inviting tender shall also be open for inspection by the contractor at the office of officer inviting tender during office hours.
2. In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power-of attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act, 1952.
3. Receipts for payment made on account of work, when executed by a firm, must also be signed by all the partners, except where contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.

APPLICABLE FOR ITEM RATE TENDER ONLY

4. Any person who submits a tender shall fill up the usual printed form, stating at what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, including conditional rebates, will be summarily rejected. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tender shall have the name and number of the works to which they refer, written on the envelopes. The rate(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paisa and

considering more than fifty paisa as rupee one. In case the lowest tendered amount (worked out on the basis of quoted rate of Individual items) of two or more contractors is same, then such lowest contractors may be asked to submit sealed revised offer quoting rate of each item of the schedule of quantity for all sub sections/sub heads as the case may be, but the revised quoted rate of each item of schedule of quantity for all sub sections/sub heads should not be higher than their respective original rate quoted already at the time of submission of tender. The lowest tender shall be decided on the basis of revised offer.

If the revised tendered amount (worked out on the basis of quoted rate of individual items) of two or more contractors received in revised offer is again found to be equal, then the lowest tender, among such contractors, shall be decided by draw of lots in the presence Chief Executive Officer, PSCDL and the lowest contractors those who have quoted equal amount of their tenders.

In case all the lowest contractors those who have same tendered amount (as a result of their quoted rate of individual items), refuse to submit revised offers, then tenders are to be recalled after forfeiting 50% of EMD of each lowest contractors.

Contractor, whose earnest money is forfeited because of non-submission of revised offer, or quoting higher revised rate(s) of any item(s) than their respective original rate quoted already at the time of submission of his tender shall not be allowed to participate in the retendering process of the work.

APPLICABLE FOR PERCENTAGE RATE TENDER ONLY

4.A. In case of Percentage Rate Tenders, contractor shall fill up the usual printed form, stating at what percentage below/above (in figures as well as in words) the total estimated cost given in Schedule of Quantities at Schedule-A, he will be willing to execute the work. The tender submitted shall be treated as invalid if-

1. The contractor does not quote percentage above/below on the total amount of tender or any section/sub head of the tender.
2. The percentage above/below is not quoted in figures & words both on the total amount of tender or any section/sub head of the tender.
3. The percentage quoted above/below is different in figures & words on the total amount of tender or any section/sub head of the tender.

Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort including conditional rebates, will be summarily rejected. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate

tender for each. Tender shall have the name and number of the works to which they refer, written on the envelopes.

4B. In case the lowest tendered amount (estimated cost \pm amount worked on the basis of percentage above/below) of two or more contractors is same, such lowest contractors will be asked to submit sealed revised offer in the form of letter mentioning percentage above/ below on estimated cost of tender including all sub sections/sub heads as the case may be, but the revised percentage quoted above/below on tendered cost or on each sub section/ sub head should not be higher than the percentage quoted at the time of submission of tender. The lowest tender shall be decided on the basis of revised offers.

In case any of such contractor refuses to submit revised offer, then it shall be treated as withdrawal of his tender before acceptance and 50% of earnest money shall be forfeited.

If the revised tendered amount of two more contractors received in revised offer is again found to be equal , the lowest tender, among such contractors, shall be decided by draw of lots in the presence of Chief Executive Officer, PSCDL and the lowest contractors those have quoted equal amount of their tenders. In case all the lowest contractors those have quoted same tendered amount, refuse to submit revised offers, then tenders are to be recalled after forfeiting 50% of EMD of each contractor. Contractor(s), whose earnest money is forfeited because of non-submission of revised offer, shall not be allowed to participate in the re-tendering process of the work.

5. The officer inviting tender or his duly authorized assistant, will open tenders in the presence of any intending contractors who may be present at the time, and will enter the amounts of the several tenders in a comparative statement in a suitable form. In the event of a tender being accepted, a receipt for the earnest money shall thereupon be given to the contractor who shall thereupon for the purpose of identification sign copies of the specifications and other documents mentioned in Rule-1. In the event of a tender being rejected, the earnest money shall thereupon be returned to the contractor remitting the same, without any interest.

6. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.

7. The receipt of an accountant or clerk for any money paid by the contractor will not be considered as any acknowledgement or payment to the officer inviting tender and the contractor shall be responsible for seeing that he procures a receipt signed by the officer inviting tender or a duly authorized Cashier.

8. The memorandum of work tendered for and the schedule of materials to be supplied by the Puducherry Smart City Development Limited and their issue-rates, shall be filled and completed in the office of the officer inviting tender before the tender form is issued. If a form is issued to an intending tenderer without having been so filled in and incomplete, he shall request the officer to have this done before he completes and delivers his tender.

9. The tenderers shall sign a declaration under the official Secret Act 1923, for maintaining secrecy of the tender documents drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.

9A. Use of correcting fluid, anywhere in tender document is not permitted. Such tender is liable for rejection.

APPLICABLE FOR ITEM RATE TENDER ONLY

10. In the case of Item Rate Tenders, only rates quoted shall be considered. Any tender containing percentage below/above the rates quoted is liable to be rejected. Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words, then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figures and in words tally, but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken as correct and not the amount. In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s), and amount blank, it will be presumed that the contractor has included the cost of this/these item(s) in other items and rate for such item(s) will be considered as zero and work will be required to be executed accordingly.

APPLICABLE FOR PERCENTAGE RATE TENDER ONLY

10 A. In case of Percentage Rate Tenders only percentage quoted shall be considered. Any tender containing item rates is liable to be rejected. Percentage quoted by the contractor in percentage rate tender shall be accurately filled in figures and words, so that there is no discrepancy.

11. In the case of any tender where unit rate of any item/items appear unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation, such a tender is liable to be disqualified and rejected.

APPLICABLE FOR ITEM RATE TENDER ONLY

12. All rates shall be quoted on the tender form. The amount for each item should be worked out and requisite totals given. Special care should be taken to write the rates in figures as well as in words and the amount in figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figures, the word 'Rs.' should be written before the figure of rupees and word 'P' after the decimal figures, e.g. 'Rs. 2.15 P' and in case of words, the word, 'Rupees' should precede and the word 'Paise' should be written at the end. Unless the rate is in whole rupees and followed by the word 'only' it should invariably be upto two decimal places. While quoting the rate in schedule of quantities, the word 'only' should be written closely following the amount and it should not be written in the next line.

APPLICABLE FOR PERCENTAGE RATE TENDER ONLY

12 A. In Percentage Rate Tender, the tenderer shall quote percentage below/above (in figures as well as in words) at which he will be willing to execute the work. He shall also work out the total amount of his offer and the same should be written in figures as well as in words in such a way that no interpolation is possible. In case of figures, the word 'Rs.' should be written before the figure of rupees and word 'P' after the decimal figures, e.g. 'Rs. 2.15P' and in case of words, the word 'Rupees' should precede and the word 'Paisa' should be written at the end.

13.(i) The contractor whose tender is accepted will be required to furnish performance guarantee of 3% (three Percent) of the tender amount within the period specified in Schedule F. This guarantee shall be in the form of ~~cash (in case guarantee amount is less than Rs. 10000/-) or~~ Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/ Pay order of any Scheduled Bank of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. ~~The earnest money deposited alongwith tender shall be returned after receiving the aforesaid performance guarantee.~~

- (a) ~~On evaluation of tender and if the tender is found that the overall amount quoted is 15.00% below and more than 15.00% below, then the contractor shall be asked to pay an additional performance guarantee amounting to 50% of the difference between the quoted amount and estimate cost put to tender. Failure to furnish the additional performance guarantee over and above the normal performance guarantee of 3% within the specified period from the date of receipt of acceptance letter, shall entitle cancellation of award and forfeiture of EMD furnished.~~

- (b) This period can be further extended at the written request of the contractor by the Engineer-in-charge for a maximum period ranging from 1 to 15 days with late fee @ 0.1% per day, of performance guarantee amount.

In case the contractor fails to deposit the said performance guarantee and additional performance guarantee, if any, within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

(ii) The contractor whose tender is accepted will also be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to 2.5% of the tendered value of the work. The Security deposit will be collected by deductions from the running bills as well as final bill of the contractor at the rates mentioned above. The Security amount will also be accepted in cash or in the shape of Government Securities. Fixed Deposit Receipt of a Scheduled Bank or State Bank of India will also be accepted for this purpose provided confirmatory advice is enclosed.

14. On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Engineer-in-Charge shall be communicated in writing to the Engineer-in-Charge.

15. This work is covered under Puducherry Goods and Service Tax Act, 2017 and Central Goods and Service Tax Act 2017, hence the contractors are requested to quote the rates including the effect of GST. Additional/Separate claim for GST will not be entertained on any account after the award of work. The payment is also liable for TDS as per provision of GST Act and Rules.

16. The contractor shall give a list of both gazetted and non-gazetted Puducherry Smart City Development Limited employees related to him.

17. The tender for the work shall not be witnessed by a contractor or contractors who himself/ themselves has/have tendered or who may and has/have tendered for the same work. Failure to observe this condition would render, tenders of the contractors tendering, as well as witnessing the tender, liable to summary rejection.

18. The contractor shall submit list of works which are in hand (progress) in the following form:-

Name of Work (1)	Name & particulars of divn. Where work is being executed (2)	Value of work (3)	Position of works in progress (4)	Remarks (5)

19. The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued thereunder from time to time. If he fails to do so, his failure will be a breach of the contract and the Chief Executive Officer, PSCDL may in his discretion, without prejudice to any other right or remedy available in law, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

20. The contractor/firm must obtain necessary prior permit from **Pondicherry Ground Water Authority**, for the water requirement of the proposed construction/road works which will be meet out either from tube well or transportation through tanker lorries before commencement of the construction work.

21. Inviting guidelines prescribed by the Central Vigilance Commission “**No post tender negotiation**” shall be conducted with the tenderers. The tenderers are expected to quote their rates with permissible limit of variation.

22. The contractor must study the plans appended with the tender and quote the rate accordingly.

For any clarification the contractors are free to contact the Engineer In-Charge, Puducherry Smart City Development Limited, Puducherry.

PROFORMA OF SCHEDULES

SCHEDULE “A”

Schedule of quantities (From Page No.55 to 117)

SCHEDULE “B”

Schedule of materials to be issued to the contractor

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
1	2	3	4	5
Contractor's own arrangement				

SCHEDULE “C”

Tools and plants to be hired to the contractor

Sl.No.	Description	Hire charges per day	Place of issue
1	2	3	4
	-NIL-		

SCHEDULE “D”

Extra schedule for specific requirement/document for the work. if any - **NIL**

SCHEDULE “E”

Reference to General Conditions of contract: General Conditions of Contract for Puducherry Smart City Development Limited, Puducherry.

Name of Work:	“CONSERVATION, RESTORATION AND REDEVELOPMENT OF CALVE COLLEGE HERITAGE SCHOOL BUILDING AT PUDUCHERRY”.
Estimated cost of work:	₹ 5,04,63,457/-
(i) Earnest money	NIL (Bid Security Declaration Form to be furnished)
(ii) (a) Performance Guarantee (b) Additional Performance Guarantee (in case of tender which is 15.00% below and more than 15.00% below)	3% of tendered value from the successful bidder. 50% of difference in cost between the quoted amount and estimate cost put to tender
(iii) Security Deposit	2% of tendered value from the successful bidder through DIRECT DEBIT/NEFT/RTGS mode only through online or in the form of Banker's cheque of any scheduled bank/demand Draft of any scheduled bank/ Term Deposit receipt/Pay order of any scheduled Bank or Government Securities or Fixed Deposit Receipts from any Scheduled Bank or Nationalised Bank in favour of the Chief Executive Officer, PSCDL. (or) 2.5% of tendered value plus 50% of PG for contracts involving maintenance of the building, roads, bridges and services/other works after construction of same building, roads, bridges and services /other works.

SCHEDULE “F”

GENERAL RULES & DIRECTIONS

Officer inviting tender	CHIEF EXECUTIVE OFFICER, PUDUCHERRY SMART CITY DEVELOPMENT LIMITED, PUDUCHERRY
Definitions:	
2(v) Engineer-in-Charge	General Manager, PSCDL
2(viii) Accepting Authority	The Chief Executive Officer, Puducherry Smart City Development Limited, Puducherry.
2(x) Percentage on cost of materials and Labour to cover all overheads and profits.	15%
2(xi) Standard Schedule of Rates	Puducherry Schedule of Rates for the year 2020-21 & Market rate applicable to Puducherry region inclusive of GST as applicable, PSR (Electrical) 2018-19 (Revised)
2(xii) Department	Puducherry Smart City Development Limited
9(ii) Standard Puducherry Smart City Development Limited contract Form	GCC 2014 (PUDUCHERRY SMART CITY DEVELOPMENT LIMITED Form 7/8) as Available in the website https://pondicherrysmartcity.in

Clause 1	(i)	Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance	15 days
	(ii)	Maximum allowable extension with late fee @ 0.1% per day of performance Guarantee amount beyond the period provided in (i) above	15 days
Clause 2		Authority for fixing compensation under clause 2	The Chief Executive Officer, PSCDL
Clause 2A		Incentive for early completion of work	Deleted
Clause 5		Number of days from the date of issue of letter of acceptance for reckoning date of start	30 days

Mile stone(s) as per table given below:

Sl. No.	Description of Milestone(Physical)	Time allowed in days (from date of start)	Amount to be with-held in case of non achievement of milestone
The bidder shall furnish programme for construction of work within the stipulated time schedule specified in the NIT covering all items of work while submission of bid in the Annexure.			

Time allowed for execution of work. **18 Months** (including monsoon period)

(Or)

Sl. No.	Financial Progress	Time allowed in days (from date of start)	Amount to be with-held in case of non achievement of milestone
1.	1/8 th (of the whole work)	1/4 th (of the whole work)	In the event of not achieving the necessary progress as assessed from the running payments, 1% of the tendered value of work will be withheld automatically for failure of each milestone without any notice to the contractor.
2.	3/8 th (of the whole work)	1/2 (of the whole work)	
3.	3/4 th (of the whole work)	3/4 th (of the whole work)	
4.	Full	Full	

Authority to decide:

- (i) **Extension of time** : Chief Executive Officer, PSCDL
- (ii) **Rescheduling of mile stone:** Chief Executive Officer, PSCDL
- (iii) **Shifting of date of start in case of delay in handing over of site :**
Chief Executive Officer, PSCDL

Clause 6 (or) 6A	Measurement of work done (or) Computerised Measurement Book	6 (or) 6A
Clause 7	Gross work to be done together with net payment /adjustment of advances for material collected, if any since the last such payment for being eligible to interim payment	₹ 28.12 Lakhs

Clause 10A

List of testing equipment to be provided by the contractor at site lab: **NIL**

Clause 10B(ii) : Mobilisation Advance **Applicable / Not applicable**

Clause 10C : Applicable / Not applicable

Component of labour
expressed as percent of value
of work

Clause 10CA : Applicable / Not applicable

S.N.	Materials covered Under this clause	Nearest Materials (other than cement, reinforcement bars, the structural steel and POL) for which All India Wholesale Price Index to be followed	Base Price and its corresponding period of all the materials covered under Clause10 CA
1.	Cement		As per PSR 2020-21 applicable to Puducherry Region
2.	Steel		

- » Includes Cement component used in RMC brought at site from outside approved RMC plants,if any.
- » Base price and its corresponding period of all the materials covered under Clause10 CA is to be mentioned **at the time of approval of NIT**. In case of recall of tenders, the base price may be modified by adopting latest base price and its corresponding period.

Clause 10CC : Applicable / ~~Not applicable~~

Clause 10CC Schedule of component of other materials, Labour etc.for price escalation.	Clause 10 CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column	12 months
	Component of civil (except materials covered Under Clause 10 CA) /Electrical construction Value of work	Xm. 40 %
	Component of Labour Expressed as percent of total value of work	Y. 25 %

Note: Xm.....% should be equal to (100) – (materials covered under clause 10 CA i.e. Cement, Steel, POL and other material specified in clause 10 CA + Component of Labour)

Clause 11	Specifications to be followed for execution of work	C.P.W.D. specifications 2009, MOST, MORTH, IRC & CPHEEO specifications and manuals (with correction slips and subsequent publications)
Clause 12	Type of work	Original Work

*** To be filled by NIT approving authority either Project and original work or Maintenance works including works of upgradation, aesthetic, special repair, addition/alteration in buildings.

The items related to road work like upgradation/improvement of footpath & central verge, improvement of carriage way by patch repair or annual/periodical

repairs of road surface and A/R &M/O works pertaining to road shall be treated as maintenance work.

New road construction works and the strengthening of road surface shall be considered as original works.

Clause 12.2 & 12.3	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work (Super Structure)	30%
12.5 (i)	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work subhead in PSR and related items)	100%
(ii)	Deviation Limit for items mentioned in earth work subhead of PSR and related items	100%
Clause 16	Competent Authority for deciding reduced rates	Chief Executive Officer, PSCDL,Puducherry

Clause 18

List of mandatory machinery,tools & plants to be deployed by the contractor at site:

1. Excavators various sizes
2. Equipment for hoisting & lifting
3. Concrete batching plant
4. Concrete Pump
5. Concrete transit mixer
6. Concrete mixer diesel/electrical
7. Needle/Table vibrator (Petrol/Electrical)
8. Bar bending machine
9. Bar cutting machine
10. Drilling machine
11. Cube testing machine
12. M.S. Pipe
13. Steel Shuttering/Scaffolding
14. Tripper/Tracks
15. Pump (Diesel/Electrical)
16. Diesel generator
17. Seive analysis
18. Slumpcone Apparatus
19. Weighing machine
20. Measuring Jar
21. Beaker
22. Pan
23. Mixing tray

Clause 25

Constitution of Dispute Redressal Committee (DRC)

1. **Chairman** : Chief Executive Officer, PSCDL
2. **Member** : Joint Chief Executive Officer, PSCDL
3. **Member** : Chief Technical Officer, PSCDL
4. **Member** : General Manager (Project)
5. **Member** : General Manager (Planning & Procurement)

Clause 36(i)

Requirement of Technical Representative(s) and recovery Rate

Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
						Figures	Words
1.	Graduate Engineer	Civil	Principal Technical Representative	5 Years	1	Rs.25,000/- PM	Rupees Twenty Five Thousand per month
2	Graduate Engineer (or) Diploma Engineer		Project Planing/Site/ billing Engineer	2 Years	1	Rs.15,000/- PM	Rupees Fifteen Thousand per month
				5 Years	1	Rs.15,000/- PM	

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma holder with minimum 10 year relevant experience with a reputed construction company can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

Clause 42	(i) (a)	Schedule / statement for determining theoretical quantity of cement & bitumen on the basis of Puducherry	Puducherry Schedule of Rates 2020-21 printed by P.W.D.
	(ii)	Variations permissible on theoretical quantities	
	(a)	Cement: For works with estimated cost put to tender not more than Rs.5lakh	3% plus/minus
		For works with estimated cost put to tender more than Rs.5 lakh	2% plus/minus
	(b)	Bitumen: All works	2.5% plus & only & NIL on minus side
	(c)	Steel Reinforcement and structural steel; sections for each diameter, section and category	2% plus/minus
	(d)	All other materials	NIL

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl. No.	Description of item	Rates in figures and words at which recovery shall be made from the contractor	
		Excess beyond permissible variation	Less use beyond permissible variation
1.	Cement	-NIL-	-NIL-
2	Steel reinforcement		
3	Structural sections		
4	Bitumen issued free		
5	Bitumen issued at stipulated fixed price		

GENERAL CONDITIONS

- (1) The work shall in general be carried out in accordance with CPWD specifications for works 2009 with correction slips and issued from time to time. Revised CPWD Specification 2009 for cement mortar, cement concrete & RCC.
- (2) However if the said specifications differ from those given in the description of any particular item in the schedule of quantities and specifications stipulated herein, the latter shall prevail.
- (3) If the detailed description of any particular item in the schedule of quantities and specifications finally accepted by the Puducherry Smart City Development Limited differs from the particular specifications given hereunder, the former shall prevail to the extent applicable.
- (4) If the particular specification given hereunder differs from I.S. code provisions, in any respect, the former shall prevail.
- (5) Wherever any reference to any Indian standard specification occurs in the documents relating to this contract the same should be inclusive of all amendments issued thereto or revision thereof if any, upto the date of receipt of tenders.
- (6) Conditions involving any financial implications other than those covered in the schedule of quantities will not be entertained and such tenders are also liable to be rejected.
- (7) When working near existing structures, care shall be taken to avoid any damage to such structures, any such damage caused intentionally or unintentionally shall be restored to original and or acceptable condition and to the satisfaction of the Engineer-in-charge.
- (8) The contractor shall give to the Municipality, Police and other authorities all notices etc., that may be required to be given as per law and obtain all requisite licenses for temporary obstructions, enclosures and pay all fees, taxes and charges which may be leviable on account of the operations during the execution of the contract. No extra claim of the contractor will be entertained by the Puducherry Smart City Development Limited on this account.
- (9) Other agencies doing works related to this project may also simultaneously execute the works and the contractor shall co-ordinate and co-operate with them as found to be necessary at no extra cost.

(10) Any cement slurry or lime mortar or any combination thereof or water proofing material required for continuation from old work is demand to have been in built in the relevant items themselves and nothing extra shall be paid for the same.

(11) The rate for all items of the work shall be considered as inclusive of pumping out or bailing out water if required for which no extra payment will be made. This will include water encountered from any source as rains, flood, and subsoil water table being high due to any other cause whatsoever.

~~(12) The Contractor shall be required to establish complete field testing laboratory and arrange all the relevant codes and Standards. The list of such testing equipments. Codes and standards shall be specified in the tender documents. The contractor shall also arrange for more equipments, Codes and Standards. If they are needed during the execution of the work. The contractor shall also provide the minimum staff, as specified, for quality assurance. He shall also provide for a temporary shed, of the specified size and specifications at the allotted space at site for housing the testing laboratory.~~

CONDITIONS FOR ISSUE OF MATERIALS

The materials shall be issued to the contractor at the place of delivery as mentioned in schedule 'B'. If these are delivered at any other site, the difference due to cartage will be adjusted accordingly. The contractor shall have to cart at his cost the materials to the site of work as soon as these are issued. The materials shall be issued between the working hours and as per rules prevails in the stockyard of the materials as framed from time to time.

The contractor shall bear all incidental charges for cartage, storage and safe custody of materials. No reimbursement of the expenses will be made by the Puducherry Smart City Development Limited.

The contractor shall construct suitable godown at the site of work for storing the materials safe against damage of sun, rain, dampness, fire, theft etc. he shall also employ necessary watch and ward establishment for the purpose.

Cement bags shall be stored in separate godown with pucca floor weatherproof roofs and walls. Each godown shall be provided with a single door with two locks. The keys of one lock shall remain with the Puducherry Smart City Development Limited Engineer-in-charge of the work and that of the other lock with authorized agent of the contractor at the site of work so that the cement is removed from the godown accordingly to the daily requirements with the knowledge of both the parties.

The cement shall be stacked on proper floors consisting of two layers of dry bricks laid on well-consolidated earth at a level of at least 0.3 meters above ground level. These stocks shall be in row of 2 and 10 high with a minimum of 0.6 meter clear space around. The bags would be placed horizontally continuous in each line as shown in the sketch of C.P.W.D. specification 2009.

The day today receipts and issue accounts of cement shall be maintained buy the Engineer-in-charge and signed daily by the contractor or his authorized agent.

MATERIALS OBTAINED FROM DISMANTLEMENT

I. The contractors, in course of their work, should understand that all materials (e.g. stone and the other materials) obtained in the work of dismantling, excavation etc. will be considered Puducherry Smart City Development Limited property and issued to the contractor (if they require the same for their own use) at rates approved by Puducherry Smart City Development Limited. If these materials are not required by them, they will dispose of to the best advantage of Puducherry Smart City Development Limited.

DELAY IN OBTAINING MATERIALS BY THE PUDUCHERRY SMART CITY DEVELOPMENT LIMITED

II. Owing to difficulty in obtaining certain materials in the open market, the Puducherry Smart City Development Limited have undertaken to supply materials specified in schedule 'B' of the tender forms at rates stated therein. There may be delay in obtaining the materials by the Puducherry Smart City Development Limited and the contractor is, therefore required to keep himself in touch with the day to day position regarding the supply of materials from the Engineer-in-charge and to so adjust the progress of their work that their labour may not remain idle nor may there be any other claim due to so arising from delay in obtaining the materials. It should be clearly understood that no claim whatsoever shall be entertained by the Puducherry Smart City Development Limited on account of delay in supplying materials.

III. M.S. or deformed bars shall be issued in lengths as available in stores. M.S. or deformed bars shall be issued in straights or in coils as available and nothing extra shall be payable for straightening the bars. The bars issued in available lengths shall be cut to the required lengths and nothing extra shall be payable for the same.

IV. The contractor shall have to deposit the approved paints of required color and shade as per actual requirements of the work to be done with the Engineer-in-charge at his PSCDL at the site of work.

The contractor shall be responsible for the water proofness of the roof for one full monsoon season after the date of completion. He shall rectify the defect noticed after due intimation in writing is given by the Engineer-in-charge failing which, Engineer-in-charge shall get the defects repaired at the contractor's risk and cost.

WATER SUPPLY AND SANITARY WORK

V. The contractor shall engage licensed plumber for the work and get the materials tested by the Puducherry Smart City Development Limited authorities whenever required at their own cost. The work shall be carried out according to the specification and the contractor shall produce necessary certificate from the appropriate authorities after completion of work.

VI. The contractor shall have to deposit water proofing compound as per the actual requirements for the water proofing job with the Engineer-in-charge at the site of work.

The water proofing compound will be issued to the contractor from time to time according to his requirements for the work in the same manner as the issue of the materials stipulated to be issued departmentally.

INCONVENIENCE TO PUBLIC

VII. The contractor shall not deposit materials on any site, which will seriously inconvenience the public. The Engineer-in-charge may require the contractor to remove any materials, which are considered by him to be a danger or inconvenience to the public or cause them to be removed at the contractor's cost.

VIII. Any damage to work resulting from rains or from any other cause until the work is taken over by the Puducherry Smart City Development Limited after completion will be made good by the contractor at his own cost.

IX. The contractor shall deposit royalty and obtain necessary permit for supply of sand, HBG metal, red earth, etc. from local authorities.

X. The contractor shall get himself acquainted with the nature and extent of the work and satisfy himself about the availability of quarry and of kiln for collection and conveyance of materials required for the construction. The contractor's quoted rate should take into account all these factors and will not be allowed for extra lead for collection and conveyance of materials for any reason whatsoever.

XI. The contractor will be permitted to set up labour camp only before a week from the commencement of work and not exceeding fifteen days after the completion of the work.

XII. The contractor shall conform to the provision of any government acts which relate to works and to the regulations and bye-laws of any local authorities. The contractors shall give all notices required by the said acts or laws etc., pay all fees payable to such authorities and allow for these contingencies in his tendered rates including fees for encroachments, costs of restoration etc., and all other fees payable to the local authorities.

XIII. Where surplus earth of a suitable quality exists at the site of work, the contractor shall be allowed to use same free of cost making mud mortar for masonry and for laying mud terracing over the roof. The Engineer-in-charge shall be the final authority to decide whether the earth obtained from excavation is surplus or not.

The surplus earth excavated which is beyond the requirement of Puducherry Smart City Development Limited, may be allowed by the Engineer-in-charge to be disposed of by the contractor on his own or to sell the surplus earth to private parties at his discretion, but nothing extra will be paid for carriage or disposal of the surplus earth, if the same is not required for Puducherry Smart City Development Limited works.

The debris should be removed from the site on day to day basis without affecting the public in general.

The mixing of concrete should be done at a separate site avoiding stacking of material at road side.

Wherever fine sand has been mentioned in the schedule of quantities, it should be conforming to the grading Zone-IV or Zone-V as mentioned in the C.P.W.D. specifications.

XIV. Concrete will be mixed with mixers either operated by hand or mechanical.

XV. The contractor shall not employ women and men below the age of 18 on the work of painting with products lead, in any form wherever men above the age of 18 are employed on the work of lead painting, the following principles must be observed for such use:

- a) White lead sulphate or lead, of products containing these pigments shall not be in painting operation except in the form of paste or of paint ready for use.
- b) Measure shall be taken in order to prevent danger arising from application of paint in the form of spray.
- c) Measure shall be taken wherever practicable against danger arising from dust caused by dry rubbing down and scraping.
- d) Adequate facilities shall be provided to enable working painters to wash during and on cessation of work.
- e) Overalls shall be worn by working painters during whole of the working period.
- f) Suitable arrangements shall be made to prevent clothing put off during working hours being soiled by painting materials.

- g) Cases of lead poisoning and suspected lead poisoning shall be subsequently verified by a medical team appointed by the competent authority.
- h) The Puducherry Smart City Development Limited may require when necessary medical examination of workers.
- i) Instructions with regard to the special hygienic precautions to be taken in the painting trade shall be distributed to working painter.
- j) The standard section weights referred to as standard table of 5.4 in the C.P.W.D specification 2009 be considered for conversion of length of various size of steel bars into weights are as under:-

Nominal size mm	Cross sectional area Sq.mm.	Mass per metre run Kg.
6	28.3	0.222
8	50.3	0.395
10	78.6	0.617
12	113.1	0.888
16	201.2	1.58
20	314.3	2.47
25	491.1	3.85
28	615.8	4.83
32	804.6	6.31
36	1018.3	7.99
40	1257.2	9.86

Issue of steel diameter above 10mm will be regulated on sectional weights basis, weight being calculated with the help of the above tables. However, for bars TMT steel up to and including 10mm the following procedure shall be adopted. The average sectional weights for each diameter shall be arrived at from samples from each lot of steel received at site. The actual weight of steel issued shall be modified to take into account the variations between the actual and the standard co-efficients given above and the contractor's account will be debited by the cost of this modified quantity only. The discretion of the Engineer-in-charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for this purpose.

SPECIAL CONDITIONS APPLICABLE FOR ROAD WORKS/BRIDGE WORKS

(1) Construction Equipment:

- 1.1 The methodology and equipment to be used on the project shall be furnished by the Contractor to the Engineer well in advance of commencement of work and approval of the Engineer obtained prior to its adoption and use.
- 1.2 The Contractor shall give a trial run of the equipment for establishing its capability to achieve the laid down specification and tolerance to the satisfaction of the Engineer before commencement of work, if so desired by the Engineer.
- 1.3 All equipment provided shall be proven efficiency and shall be operated and maintained at all times in a manner acceptable to the Engineer.
- 1.4 No equipment or personnel will be removed from site without permission of the Engineer.

(2) Work Program and Methodology of Construction:

The Contractor shall furnish his program of construction for execution of the work within the stipulated time schedule together with methodology of construction each item of work and obtain the approval of the engineer prior to actual commencement of work.

(3) Revised Programme of Work in case of Slippage:

In case of slippage from the approved work programme at any stage, the Contractor shall furnish revised programme to make up the slippage within the stipulated time schedule and obtain the approval of the Engineer to the revised programme.

(4) Action in case of Disproportionate Progress:

In case of extremely poor progress of the work or any item at any stage of work which in the opinion of the Engineer cannot be made good by the Contractor considering his available resources, the Engineer will get it accelerated to make up the lost time through any other agency and recover the additional cost incurred, if any, in getting the work done from the Contractor after informing him in writing about the action envisaged by him.

(5) Setting out:

Setting out the work as spelt out in clause 109 of Ministry's Specifications for Road and Bridge Works 5th Revision will be carried out by the Contractor.

(6) Public Utilities:

Action respect of public utilities will be taken by the contractor as envisaged in Clause 110 of Ministry's Specifications for Road and Bridge Works 5th Revision.

(7) Arrangement for traffic during construction :

Action for arrangement for traffic during construction will be taken by the contractor as envisaged in the contract documents and spelt out in clause 112 of Ministry's Specifications for Road and Bridge Works 5th Revision.

(8) Quality Control :

The onus of achieving quality of work will be on the contractor who will take action as stipulated in the Ministry's for Road and Bridge Works 5th Revision.

(9) Ministry's specification for Road and Bridge Works (5th Revision):

Ministry's specification for Road and Bridge Works 5th Revision will form part of the contract documents and the contractor will be legally bound to the various stipulations made therein unless and otherwise specifically relaxed or waived wholly or partly through a special clause in the contract document.

(10) Documentation:

The Contractor will prepare drawing (s) of the work as constructed and will supply original with three copies to the Engineer who will verify and certify these drawings. Final as constructed drawing(s) shall then be prepared by the Contractor and supplied in triplicate along with a micro film of the same to the Engineer for record and reference purposes.

(11) The contractor shall make his own arrangement to provide the bitumen required for the work from approved public sector, refineries such as IOC, BP, HPL, etc. and produce the paid voucher to the Engineer-in-charge. The materials so procured shall be got tested before use.

(12) The use of rubber modified bitumen shall be as per the guide lines of "IRC SP 53-99"

(13) The Contractor shall use "Hydrostatic paver with sensor control" for this work.

(14) The Pile shall be terminated at a depth as per the direction of Engineer-in-charge.

(15) The defect liability period is Three Years where scope of work involves provision of structural layer i.e. strengthening where the total thickness of bituminous layer is 30 mm and above.

(16) The payment for the quantity of Road Work such as Bituminous Macadam (BM/DBM), Bituminous Concrete / Semi Dense Bituminous Concrete, Wearing Course shall be made based on the physical measurement of finished work in position in cum. or sqm. at a specified thickness or based on level measurements, whichever is less.

ADDITIONAL CONDITIONS

1. The rate for all items of works shall unless clearly specified otherwise include cost of all labour, materials and others inputs involved in the execution of item.
- 2(a) For the purpose of recording measurements and preparing running account bill the abbreviated nomenclature enclosed with the standard form shall be adopted .The abbreviated nomenclature shall be taken to cover all the materials and operations as per the complete nomenclature of the relevant items in the agreement and other relevant specifications.
- (b) In case of extra and substituted items of work for which abbreviated nomenclature is not provided in the agreements, the full nomenclature of items shall be reproduced in the measurement books and bill forms for running account bills.
3. For all doors and windows whether factory made or otherwise, cleats and rubber buffers 30mm dia. shall be provided as directed by the Engineer-in-charge and the rate for the shutter item shall include the cost of providing such wooden cleats and buffers.
4. For those doors where hydraulic door closer is provided only wooden cleats need not be provided and no reduction in rate shall be made for the same.
5. The particle board shutter shall be provided, with teak wood lipping (beading) at the edge to which hinges are fixed, without any extra cost.
6. For works where items of aluminium doors, windows etc., are specified, the grade of anodic coating to be provided in accordance with table I of IS: 1868-1968 together with reference to IS: 5523-1969.
7. Where hydrated lime is available, this can be used on the works and the places where hydrated lime is not available, lime concrete will be prepared by the traditional method of slaking the lime preparing the lime putty etc.
8. (a) Tendered rates are inclusive of all taxes and levies payable under the respective status. However pursuant to the constitution (46th Amendment) Act 1982, if any further tax or levy is imposed by the statute after the date of receipt of tenders and the contractor thereupon necessarily and properly pays such taxes/levies, the contractors shall be reimbursed the amount so paid provided such payment, if, any, is not, in the opinion of the Engineer-in-Charge (whose decision shall be final and binding) attributable to delay in execution of work within the control of the contractor.
- (b) The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorized representative of Puducherry Smart City Development Limited and further shall furnish such other information/document as the Engineer-in-Charge may require.

(c) The contractor shall within a period of 30 days of imposition of any further tax or levy pursuant to the Constitution (46th Amendment) Act, 1982 give a written notice thereof to the Engineer-in-Charge pursuant to this condition, together with all necessary information relating therein.

9. Stipulated materials shall be issued for use at site of work for all the items where such materials are required. For factory made products like precast cement tiles, precast hollow concrete blocks, precast foam concrete blocks, precast RCC pipes etc., stipulated materials shall not be issued by the Puducherry Smart City Development Limited.

10. While execution of the work, the contractor shall organise his work in such a way that the normal functioning of the premises is not disturbed.

11. Any damage done to the existing structure while dismantling execution of the work shall be made good by the contractor at claim shall be made good by the contractor at his own cost and no extra claim shall be entertained on this account.

12. The contractor must see the site before participating the tender and his viability for executing the work.

13. The item of Anti-termite treatment shall be executed through a specialized firm.

14. Rates should be quoted for the items specified in the NIT and shall not be compared with the analysis of rates.

15. Rates for all items should be quoted based on the availability of construction materials in accordance to BIS/C.P.W.D specifications.

16. Rates should also be quoted inclusive of testing charges of all construction materials both at laboratory and in the field. No payment will be made for material testing.

17. The contractor should arrange for shifting of construction materials / concrete etc., near to the work site at his own cost. No extra rate shall be considered for shifting of materials etc.

18. For construction of Buildings /drains/canals/channels/bridges and culverts etc., rates should be quoted inclusive of de-watering and pumping out any type of water encountered during execution. No separate claim/ cost (like Extra/Substituted/Deviated items) will be admitted towards the dewatering etc. or any form of claim at any stage during the execution of work. No extra claim will be admitted for working under foul condition encountered during execution.

19. The Contractors themselves have to identify the place of disposal of un-serviceable materials like debris, waste mud, etc arises in the site. No extra lead and lift shall be considered for such disposal.

20. The Contractor must do their own arrangements at their own cost for signage/barricading etc. for the safety of Public during construction in the construction site of building/road/drain/canal/bridge/culverts etc. No separate claim will be admitted in this regard.

21. The contractor should not discontinue/suspend/slowdown the work on the grounds of non-payment of work bills, as the contractor in terms of Clause 7 of agreement is eligible for interest for the belated payment. If the contractor fails to continue the work in letter and spirit of agreement and other accepted terms and conditions, on the grounds of non-payment of work bills, the contract will be terminated. In the event of non-payment of work bills, the contract as per Clause-I of the Conditions of Contract and accrued Security Deposit will be forfeited.

22. The contractor shall make his own arrangements to provide the steel required for the work from SAIL / IISCO / TISCO / VIZAG / JSW STEEL PLANT and produce the paid voucher to the Engineer-in-Charge. The materials so procured shall be got tested before use.

23. The contractor shall procure 43 grade OPC cement having ISI mark from reputed firms having annual turn over of not less than one million MT and stores it in the site godown as per the guidelines specified in the CPWD specification 2009 under double lock system. The paid voucher of the cement procured shall be produced to the Engineer-in-Charge. The cement procured shall be got tested before use.

24. The contractor shall make his own arrangements to provide the bitumen required for the work from approved public sector, refineries such as IOC, BP, HPL etc., and produce the paid voucher to the Engineer-in-Charge. The materials so procured shall be got tested before use.

25. Necessary test certificates should be produced from the approved laboratory for the quality of materials.

26. Defective materials will be rejected and the same have to be reparable by the contractor at his own cost.

27. Original purchase vouchers should be produced at the time of receipt of materials and at the time of verification by the Engineer-in-Charge. The name of contractor, name of work and agreement number should be clearly noted in the original vouchers.

28. The test specimens shall be provided at free of cost by the contractor.

29. The test for cement has to be conducted for every 1000 bags or part. The test for steel has to be conducted for every consignment of 20 tonne or part thereof for each size/dia.

30. Payment for the item of laying Semi Dense Bituminous Concrete shall be made after conducting the density / compaction measurement test and also the surface roughness measured with Bump Integrator, by the Highways Research Station, Chennai and ensuring that

(a). In respect of density /compaction, the test result conforms to the density prescribed in the mix design and,

(b). In respect of surface roughness measured with Bump Integrator the result shall conform to the values prescribed in Table - 3 of IRC - SP-16-2004.

31. The following Special works are included in this Project.

1. Self compacting concrete is used for making precast rafters & beams.
2. Composite design mix lime mortar is used for wall & Ceiling plastering.
3. Composite design mix lime mortar is used in laying of pressed clay on terrace.
4. Composite design mix lime concrete is used for weathering course (lime concrete terracing) & above the existing wall.
5. Madras terraced roofing using lime mortar.
6. Cornice work using lime mortar.
7. Dismantling of existing Madras terrace and Lime plaster on walls.

The Quality test of above Special works will be conducted through “Pondicherry Engineering College” (PEC) at Puducherry.

The above special works details specification is in the BoQ.

32. Special Conditions of Contract:

The project envisages special experience and commitment to high quality execution of all works. This will be clear if the Bidder studies the drawings and specifications.

The Bidders are required to come for a common briefing session (Pre bid meeting) at Puducherry Smart City Development Limited, Puducherry where the special works of the Project will be explained. The Bidders can also at that time ask for clarifications before submitting their bids.

32.1 It shall be the responsibility of the contractor to thoroughly study the drawings, technical descriptions, scope of works, engineering and architectural design specifications, and the actual condition of the site and all other requirements and provisions attached to, incorporated into or otherwise made a part of this tender document before submitting their tender bid (here in referred to as bid).

32.2 For all technical, architectural and other doubts and clarifications, the contractor shall contact the Puducherry Smart City Development Limited before submitting their bid.

32.3 It shall be the responsibility of the contractor to inspect the site before submitting their tender, after duly taking prior appointment and permission of the undersigned. The contractor will be deemed to have ascertained the site condition, whether he actually does or does not and no claim whatsoever shall be entertained on the plea of the contractor not being familiar with the site conditions.

32.4 While executing the works, it shall be the responsibility of the contractor to bring to immediate notice of the Puducherry Smart City Development Limited any

discrepancies, technical problems and all other unexpected or unforeseen issues pertaining to the said work.

32.5 It shall be the responsibility of the contractor to mobilize sufficient numbers and quantity of required levelling, compacting, tamping, vibrating equipments and scaffoldings etc. for executing the civil works. These costs shall be included in the relevant item rates quoted by him. No extra payment shall be made for this.

32.6 The contractor shall make his own arrangements for water / electricity for constructions work at his own cost as per his requirement and shall bear all consumption charges.

32.7 Irrespective of whether the item description mentions or not, all works incidental to a particular item will be deemed to have been included and no claim whatsoever on any account shall be entertained for completion of that item. Cost of watchmen, store keeper, tools and tackles etc. shall be included in the items quoted.

32.8 The contractor shall take into note that during execution of works, if need arises, unforeseen civil works may have to be carried out by him as per the instructions of the Puducherry Smart City Development Limited.

32.9 The quality of material used and the workmanship, especially finishing of all the work shall be of the highest order as laid out by the technical and architectural specifications to the satisfaction of the Puducherry Smart City Development Limited/ consultant. All works should be completed neat and clean to the satisfaction of the Puducherry Smart City Development Limited / consultant.

32.10 All the works shall be carried out in accordance with relevant specifications of Bureau of Indian Standards latest versions/consultant's specification. Any deviation from these specifications will have to be specifically approved by the Puducherry Smart City Development Limited.

32.11 It shall be the responsibility of the contractor to adhere to all standard safety and labour norms laid down by Government and practiced within the premises of the client and have adequate insurance against accidents, fire and third party liability.

32.12 All the works shall be carried out in a workman like manner and all the defective or shoddy work / material as and when noticed by the consultant shall be removed / replaced by the contractor expeditiously at his own cost.

32.13 The contractor's liability for defective work / material shall extend to 365 calendar days from the date of virtual completion. The contractor shall at his own initiative, obtain the certificate of virtual completion from the Puducherry Smart City Development Limited.

32.14 The works shall be executed without damaging the existing landscape including the greenery etc.

32.15 Submitting the bid does not entitle the bidder to award of the work. The decision of selection of the contractor and awarding the work solely rests with the Puducherry Smart City Development Limited.

33. Conservation Guidelines and Methodology:

It shall be taken care that suitable conservation / restoration interventions be proposed as necessary which shall also enhance the life of the building. Utmost care shall be taken that no structural damages are caused during the process of Conservation by means of hammering mechanical vibrations etc.

- The nature of works to be undertaken during the process of Conservation w.r.t various materials for restoring them to their original form, design, type, pattern etc., may include structural strengthening, Building restoration and Development of the surroundings areas.
- Restoration of weakened / sagged / imstan;e Madras terrace roof on the Ground floor & First floor of the building.
- Lime plaster Restoration-Careful removal of lime plaster and lime mortar from various areas identified under damage, necessary Conservation works to be executed in the traditional lime mix good in strength quality, finish retaining the original finish, design etc.,
- Wood Conservation - Careful removal of old finish, Anti termite Treatment, Necessary Conservation works, Clear Melamine Finish, Clear Lacquer Finish etc.,
- Structural Strengthening and stability of various parts of the structure by means of Civil works etc.
- For executing the above works the following facilities/provisions have to be made.
 - I. Arrangement of water supply and drinking water arrangements etc.
 - II. Arrangement of Electricity
 - III. Providing the necessary Scaffoldings
 - IV. Machineries and Tools required
 - V. Sufficient storage space to keep materials and machineries/tools separately during the progress of works.

34. Work Program and Methodology of Construction:

The Contractor shall furnish his program of construction for execution of the work within the stipulated time schedule together with methodology of construction each item of work and obtain the approval of the engineer prior to actual commencement of work.

35. Revised Programme of Work in case of Slippage:

In case of slippage from the approved work programme at any stage, the Contractor shall furnish revised programme to make up the slippage within the stipulated time schedule and obtain the approval of the Engineer to the revised programme.

36. Control over the dismantled materials:

It shall be the responsibility of the contractor to collect / store / keep under his safe custody the dismantled materials such as wood / steel section / doors & windows etc., till from the date of dismantling to the date of handing over to the client department or until the auction of materials by PSCDL. Any loss in this regards shall be born by the contractor.

ADDITIONAL CONDITIONS II

ADOPTION OF PSR ABBREVIATED NOMENCLATURE

The Puducherry Schedule of Rates Abbreviated Nomenclature for buildings and road works shall be adopted in recording of measurements and preparation of running account bills, etc., wherever applicable as per C.P.W.D. Works Manual 2014.

PARTICULAR SPECIFICATIONS

1. The work executed shall be measured as per metric dimensions given in the schedule of quantities. The FPS units wherever indicated in the drawings are for guidance only.
2. Unless otherwise specified, all the rates quoted by the contractor shall be for items of work at all levels and heights of the building.
3. The work shall be executed as per the C.P.W.D. specifications 2009 (with correction slips and subsequent publications). In case of discrepancies between the specifications of a particular item as indicated in the C.P.W.D. specifications mentioned above and as indicated in the nomenclature of the item the latter shall prevail.
4. All stone aggregate, M-sand etc., shall be obtained only from approved quarries. All the materials shall be got approved by the Engineer-in-Charge before they are actually procured and used at site.
5. The grading of M-sand to be used for mortars and concrete shall be determined at the site of work by the Engineer-in-Charge and sand conforming to these gradings only shall be used on the work.
6. Necessary washing, screening, etc., of metal and M-sand shall be done at site as per requirements of the Engineer-in-Charge.
7. Bricks shall have crushing strength of class designation.
8. The work of water supply and internal sanitary installations and drainage shall be carried out as per bye-laws of the local Municipal body.
9. All manufactured materials used in the work shall have ISI/BIS mark. In case of materials for which no manufacturer has been licensed to manufacture the materials with ISI marking, the materials shall conform to the provisions of C.P.W.D./MORTH/IRC/CPHEEO specifications or the ISI code (in the absence of C.P.W.D.

specifications or other specification mentioned above for any particular material). In the case of all materials, tests shall be conducted to ensure that they conform to the specifications of codes mentioned above.

10. All materials, which are to be tested before use on the work should be procured at least 2 months before use on the work so that enough time is available for testing them before they are actually used.

11. The cost of samples and all other incidental charges such as packing, transportation to the laboratory etc., shall be borne by the contractor.

12. The architectural drawings Nos. based on which the work is to be executed are available with the Engineer-in-Charge and can be inspected by the prospective tenderers up to the date of submission of tenders at his office during working hours.

Use and testing of all the manufactured materials used in the work shall be regulated as per specifications 2009.

13. Before receiving final payment for the work, contractor shall give an undertaking to the effect that at his own cost he will rectify the defects in walls, roof like leakage, cracks etc. Which may come to light during the first monsoon after the completion of work and for this purpose part of the security deposit which may be deemed reasonable by the Engineer-in-Charge shall be retained till the first monsoon is over as security against the contractor's failure to act upon the undertaking. This undertaking and consequent retention of part of the security deposit shall not invalidate the contract.

The timber to be used on the work shall be of first class wood of species mentioned in the particular item. The timber shall be kiln seasoned as per B.I.S. 1141 - 1973 and shall be treated with non-leach able type preservative by vacuum pressure method as per B.I.S. 401 - 1982.

FACTORY MADE PANELLED SHUTTERS FOR DOORS

14. The shutters shall be fabricated generally as per I.S. 1003 (Part I) - 1997 and as per Architect's drawings. The timber to be used shall be of first class wood of species mentioned in the particular item which shall be kiln seasoned and preservative treated. The panels shall be as specified in the item number. Samples of shutters shall be got tested as per I. S. 1003 (Part I) - 1997. The rate quoted for the item shall include the element of cost of shutter to be sent for testing and no claim on this account shall be entertained at a later date.

15. Pressed clay tiles to be used on the work shall conform to I. S. 2690 (Part I) - 1975. However, the water absorption of the tiles when tested by the method described in the Appendix 'A' of the said I. S. 2690 (Part I) 1975 shall not exceed 18% (Eighteen percent.).

16. Shahabad stone slabs, marble slabs etc. on treads and risers of steps and shelves shall be in single pieces.

P.V.C. PIPES INTERNAL WORK AND EXTERNAL WORK

17. The specification in respect of laying and jointing rigid P.V.C. threaded pipes both internal and external shall be as per C.P.W.D. specifications. The rigid P.V.C. threaded pipes shall conform to relevant ASTM standard and shall be ORIPLAST or equivalent.

~~18. Wherever RCC walls, fins and facial are monolithic the portion of RCC are to be measured as per the sketch attached in Page No.~~

~~19. The top surface of the RCC roof slab shall be screeded to be uniform when the concrete is green, so as to have a proper bond with the roof treatment. Nothing extra shall be paid on this account.~~

20. For aluminium doors, fixed glazing, fixed windows, sliding windows, louvered type ventilators and partitions etc. all aluminium sections shall be to the required size, thickness and weight as shown in the relevant Architect's Drawings.

21. The weight of stays given in C.P.W.D. specifications 2009 shall be for cast brass stays only.

The weight of the mild steel and anodized aluminium stays shall be as follows: -

Casement stays (Straight peg type)	Mild steel with tolerance of plus or minus %	Anodized aluminium with tolerances of plus or minus %
(a) 300 mm long	0.13 Kg/each	0.06 Kg/each
(b) 250 mm long	0.10 Kg/each	0.05 Kg/each
(c) 200 mm long	- The casement window fasteners	0.04 Kg/each 0.155 kg/each

Form of Earnest Money Deposit
Bank Guarantee Bond

WHEREAS, contractor..... (Name of contractor) (hereinafter called "the contractor") has submitted his tender dated (date) for the construction of (name of work) (hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we (name of bank) having our registered office at (herein after called the bank) are bound unto (Chief Executive Officer, PSCDL) in the sum of Rs. (Rs. in words) for which payment well and truly to be made to the said Chief Executive Officer, PSCDL the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this day of 20... .
THE CONDITIONS of this obligation are:

(1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;

(2) If the contractor having been notified of the acceptance of his tender by the Chief Executive Officer, PSCDL:

(a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required;

OR

(b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,

We undertake to pay to the Chief Executive Officer, PSCDL either up to the above amount or part thereof upon receipt of his first written demand, without the Chief Executive Officer, PSCDL having to substantiates his demand, provided that in his demand the Chief Executive Officer, PSCDL will note that the amount claimed by his is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date* after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Chief Executive Officer, PSCDL notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE

WITNESS

(SIGNATURE, NAME AND ADDRESS)

SIGNATURE OF THE BANK

SEAL

*Date to be worked out on the basis of validity period of 6 months from last date of receipt of tender.

Form of Performance Security (Guarantee)

Bank Guarantee Bond

In consideration of the Puducherry Smart City Development Limited (~~hereinafter called "The Government"~~) having offered to accept the terms and conditions of the proposed agreement between.....and (hereinafter called "the said Contractor(s)") for the work..... (hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs. (Rupees..... only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We, (hereinafter referred to as "the Bank") hereby undertake to pay to the Puducherry Smart City Development Limited an amount not exceeding Rs. (Rupees..... Only) on demand by the Puducherry Smart City Development Limited.

2. We,(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the Puducherry Smart City Development Limited stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....

(Rupeesonly)

3. We, the said bank further undertake to pay the Puducherry Smart City Development Limited any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.

4. We, (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Puducherry Smart City Development Limited under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Chief Executive Officer on behalf of the Puducherry Smart City Development Limited certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. We, (indicate the name of the Bank) further agree with the Puducherry Smart City Development Limited that the Puducherry Smart City Development Limited shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Puducherry Smart City Development Limited against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the Puducherry Smart City Development Limited or any indulgence by the Puducherry Smart City Development Limited to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

7. We, (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Puducherry Smart City Development Limited in writing.

8. This guarantee shall be valid up tounless extended on demand by the Puducherry Smart City Development Limited.

Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. (Rupees) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated theday offor.....(indicate the name of the Bank)

Bid Security Declaration Form

Date:_____ Tender No._____

To (insert complete name and address of the company/firm)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Security Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with PSCDL for a period of two year from the date of notification if I am / We are in a breach of any obligation under the bid conditions, because I/We

- a) Have withdrawn/modified/amended, impairs or derogates from the tender, my / our Bid during the period of bid validity specified in the form of bid; or
- b) Having been notified of the acceptance of our bid by the PSCDL during the period of bid validity (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am / we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) sixty days after the expiration of the validity of my / our Bid.

Signed: (insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration)

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for and on behalf of (insert complete name of Bidder)

Dated on_____ day of _____(insert date of signing)

Corporate Seal (where appropriate)

Note: The above Bid Security Declaration should be furnished in Non Judicial Stamp Paper, not less than Rupees One Hundred.

Declaration to be submitted by the Contractor:

I have carefully read all the pages, conditions of this Tender Document and inspected the site before quoting the rates for this tender and accordingly quoted the rates to suit the site condition.

CONTRACTOR

SCHEDULE "A"

Name of work: Conservation, Restoration and Redevelopment of Calve College Heritage School Building at Puducherry.

Abstract of Estimate

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
1	2.6.1A	Earthwork in excacavation over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m - disposed earth to be and lift upto 1.5m - disposed earth to be levelled and neatly dresses - all kinds of soil	226.00				
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift upto 1.5m	176.00				
3	2.26.1	Extra for every additional lift of 1.5m or part there of in excavation / banking excavated or stacked materials - all kindsof soil	27.00				
4	2.34.1	Supplying chemical emulsion in sealed containers including delivery as specified- Chlorpyriphos / lindane emulsifiable concentrate of 20%	939.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
5	2.35.3.1	Diluting and injecting chemical emulsion for POST CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) - treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300mm apart including drilling 12mm diameter holes and plugging with cement mortar 1:2 (1 cement : 2 coarse sand) to match the existing floor - with Chlorpyrifos / lindane E.C. 20% with 1% concentration -	1600.00				
6	2.35.4.1	Diluting and injecting chemical emulsion for POST CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) - Treatment of existing masonry using chemical emulsion @ one litre per hole at 300mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole - with chlorpyrifos / lindane E.C. 20% with 1% concentration	300.00				
7	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - all work upto plith level - 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size)	219.00				
8	5.9.1	Centering and shuttering including strutting , propping etc and removal of form for - foundations, footings, bases of columns etc for mass concrete	76.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
9	5.9.2	Centering and shuttering including strutting , propping etc and removal of form for - Walls (any thickness) including attached pilasters, butteresses plinth and string courses etc.	68.00				
10	5.9.3	Centering and shuttering including strutting , propping etc and removal of form for - Suspended floors, roofs, landings, balconies and access platform	1188.50				
11	5.9.5	Centring and shuttering including strutting, propping etc. and removal of form for: lintels, beams, plinth beams, girders, bressumers and cantilevers.	264.00				
12	5.9.6	Centring and shuttering including strutting, propping etc. and removal of form for: columns, pillars, piers, abutments, posts and struts.	71.00				
13	5.11.1	Extra for additional height in centering , shuttering where ever required width adequate bracing , propping etc. including cost of de - shuttering and decentering at all levels , over a height of 3.5m, for every additional height of 1metre or part thereof (plan area to be measured) - Suspended floors, roofs, landing , beams and balconies (Plan area to be measured)	385.00				
14	5.22.6	Steel reinforcement for R.C.C.work including straightening, cutting, bending, placing in position and binding all complete upto plinth level - Thermo-Mechanically treated bars (TISCO / VIZAG/ IISCO / SAIL / JSW) Fe - 415 or more	7150.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
15	5.22.A.6	Steel reinforcement for R.C.C.work including straightening , cutting , bending , placing in position and binding all complete above plinth level - Thermo - Mechanically Treated bars (TISCON / VIZAG / IISCO / SAIL / JSW) Fe - 415 or more	24000.00				
16	5.22.8	Providing anticorrosive treatment to HYSD reinforcement with fusion bonded epoxy coating the rate includes cost of anticorrosive coating including cost of powder, sand blasting, cleaning , induction, heating , depreciation of machinery etc, wastage in cut length of bars, provision of wooden battens between rows of coated bars , cover to work bush pins / bar bending machines etc - for bars of 20mm to 32 mm diameter - conforming to IS 13620 -1993	19.75				
17	5.22.10	Providing and placing M30 grade cover block for RCC work all levels	6452.00				
18	5.28	Providing and fixing in position 12 mm thick bitumen impregnated fibre board conforming to IS : 1838 , including cost of m primer , sealing compound in expansion joints	40.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
19	5.33.1	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS : 9103 to accelerate, retard setting of concrete , improve workability without impairing strength and durability . Note:- Cement content considered in this item is @ 330 kg / cum. Excess or less cement used as per design mix is payable or recoverable separately. - All work upto plinth level	55.00				
20	5.33.2	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS : 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability. Note:- Cement content considered in this item is @330 kg / cum. Excess or less cement used as per design mix is payable or recoverable separately. - All work above plinth level upto floor five level.	33.50				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
21	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein	58.00				
22	NPSR 1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 in foundation and plinth in - cement mortar 1:6 (1 cement : 6 coarse sand)	46.00				
23	NPSR 2	Brick work with common burnt clay F.P.S (non modular) bricks of class designation 3.5 in superstructure above plinth level upto floor five level in all shapes and sizes in - cement mortar 1:6 (1 cement : 6 coarse sand)	48.00				
24	NPSR 3	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 in superstructure above plinth level upto floor V level cement mortar 1:4 (1 cement : 4 coarse sand)	625.00				
25	6.15	Extra for providing and placing in position 2 nos 6mm dia M.S.bars at every third course of half brick masonry	625.00				
26	8.10.1	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) and finished smooth - White agaria mable stone	18.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
27	9.1.2V	Providing wood work in frames of doors, windows, clerestory windows and other frames , wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately) -Vengai wood	1.50				
28	9.5.1.1V	Providing and fixing panelled or panelled and glazed shutters for doors, windows, and clerestory windows, including ISI marked M.S.pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately , all complete - Vengai wood - 35 mm thick shutters	84.50				
29	9.7.1V	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors , windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick - Vengai wood	84.50				
30	9.48.2	Providing and fixing M.S.grills of required pattern in frames of windows etc with M.S.flats , square or round bars etc. including priming coat with approved steel primer all complete - Fixed to openings / wooden frames with rawl plugs screws etc	3104.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
31	9.53	Providing 40 X 5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bots, nuts and wooden plugs and embeddings in cement concrete block 30 x10 x 15 cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	166.00				
32	9.58.1R	Providing and fixing ISI marked powder coating pressed Parliamentary hinges with necessary screws etc , complete - 150X125X 27X 2.80mm	184.00				
33	9.58.4	Providing and fixing ISI marked oxidised M.S.pressed Parliamentary hinges with necessary screws etc , complete - 75 X 100X 20 X 2.24 mm	48.00				
34	9.95.1	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125x75x4 mm	48.00				
35	9.96.1	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 300x16 mm	48.00				
36	9.97.1	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc.complete : - 300x10mm	96.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
37	9.97.4	Providing and fixing aluminium tower bolts each 81.46 , ISI marked , anodised (anodic coating not less than grade AC 10 as per IS :1868) , transparent or dyed to required colour or shade , with necessary screws etc. complete - 150 x10 mm	72.00				
38	9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	116.00				
39	9.101.2	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. - Twin rubber stopper	20.00				
40	9.117.2	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance +_ 1mm), with wall thickness 2.0 mm (+-0.2mm), corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 x 19 mm and 1mm (+-0.1mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification - Extruded section profile size 42 x 50 mm	60.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
41	9.118.2	Providing and fixing to existing door frames - 30 mm thick factory made Polyvinyl Chloride (PVC) door shutters made of styles and rails of a uPVC hollow section of size 60 x 30 mm and wall thickness 2 mm (+- 0.2 mm) with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised / plastic brackets of size 75 x 220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S.tube of size 25x20 mm and 1mm (+- 0.1mm) wall thickness.The lock rail made up of 'H' section , a uPVC hollow section of size 100 x 30 mm and 2 mm (+-0.2 mm) wall thickness, fixed to the shutter styles by means of plastic / galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multichambered single panel of size not less than 620 mm, having overall thickness of 20 mm and 1 mm (+_ 0.1mm) wall thickness. They panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S.rod and fastened with nuts and washers, complete as per manufacturer's specification	20.00				
42	9.165.1B	Providing and fixing of 65mm Godrej Navtal lock of 7 levers with 3 keys etc complete	60.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
43	10.3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	29.00				
44	10.25.2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	95.00				
45	11.4	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	2282.00				
46	11.7	Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including finishing complete.	87.50				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
47	11.13.1	Providing and fixing glass strips in joints of terrazo / cement concrete floors - 40mm wide and 4mm thick	1155.00				
48	11.26.1	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1cement : 4 coarse sand) : 25 mm thick	75.00				
49	11.36B	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) , of approved make (Jhonson / Asian / Somany / Nitco) in all colours , shades of size 300 x 450 mm as approved in skirting , risers of steps and dados, over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement with pigment of matching shade complete - size 300x450 mm	242.00				
50	11.40.1	Providing and laying rectified ceramic rustic / matt finish floor tiles 300 x 300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make (Somany / Nitco) in all colours shades laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigments etc., complete	127.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
51	11.61	Providing and laying 22 mm thick factory made pre polished cement concrete flooring tiles of required colour and design over 20 mm thick cement mortar 1:4 (1 cement : 4 sand) and jointed with cement slurry mixed with an admixture of pigment to match the shade of the tile - (Endura \ Ultra \ Dazzle \ Technic)	43.00				
52	11.62	Providing and fixing PVC corner beading of required size to suit the thickness of the wall tile at the corner joints of dado works	45.00				
53	12.15.1	Painting top of roofs with bitumen of approved quality @ 17kg per 10 sq.m impregnated with a coat of coarse sand at 60cudm per 10 sq.m including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete - with residual type petroleum bitumen of grade VG-10	126.00				
54	12.2	Providing and laying pressed clay tiles (as per approved pattern 18mm nominal thickness of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound , laid over a bed of 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete	159.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
55	12.20L	Lime concrete terracing on roofs of required thickness laid to fall with 25mm nominal size brick aggregate and 50% lime mortar 1:2 (1 lime putty : 2 surkhi) rammed and finished with gur and belgiri treatment complete including rounding of junctions with Parapet wall complete	17.50				
56	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	40.00				
57	12.41.1	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS: 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10mm gap for thermal expansion, (i) Single socketed pipes - 75mm diameter	50.00				
58	12.41.2	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS: 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10mm gap for thermal expansion, (i) Single socketed pipes - 110 mm diameter.	376.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
59	12.42.4.2	Providing and fixing on wall face unplasticised - PVC moulded fittings /accessories for unplasticised rigid PVC rain water pipes conforming to IS:13592 Type A, including jointing with seal ring conforming to IS: 5382, leaving 10mm gap for thermal expansion - Single tee without door -110x110x110mm	40.00				
60	12.42.5.2	Providing and fixing on wall face unplasticised - PVC moulded fittings /accessories for unplasticised rigid PVC rain water pipes conforming to IS:13592 Type A, including jointing with seal ring conforming to IS: 5382, leaving 10mm gap for thermal expansion - bend 87.5 degree - 110 mm bend	10.00				
61	12.42.6.2	Providing and fixing on wall face unplasticised - PVC moulded fittings /accessories for unplasticised rigid PVC rain water pipes conforming to IS:13592 Type A, including jointing with seal ring conforming to IS: 5382, leaving 10mm gap for thermal expansion - shoe (plain) - 110mm shoe	40.00				
62	12.43.1	Providing and fixing unplasticised - PVC pipe clips of approved design to unplasticised- PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length, including cutting brickwork and fixing in cement mortar 1:4 (1 cement : 4coarse sand) and making good the wall etc.,complete - 75mm	10.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
63	12.43.2	Providing and fixing unplasticised - PVC pipe clips of approved design to unplasticised- PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length, including cutting brickwork and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc., complete - 110mm	120.00				
64	13.8.3	12 mm cement plaster of mix 1:5 (1 cement : 5 fine sand)	292.00				
65	13.9.2A	15 mm cement plaster on the rough side of single or half brick wall of mix 1:5 (1 cement : 5 fine sand)	172.00				
66	13.16.1	6mm cement plaster of mix 1:3 (1 cement : 3 fine sand)	119.00				
67	13.22	Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3 m or part thereof	475.00				
68	13.24.2	Extra for plastering done on moulding cornices or architraves including neat finish to line and level: in two coat	380.00				
69	13.47.1	Finishing walls with premium acrylic smooth exterior paint with silicone additives of required shade - New (Two or more coats applied @ 1.43 ltr / 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg / 10 sqm)	13200.00				
70	13.48.2	Painting wood work with deluxe multi surface paint of required shade. Two or more coat applied @0.90 ltr / 10sqm over an under coat of primer applied @ 0.75 ltr / 10 sqm of approved brand and manufacture	1105.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
71	13.52.1	Finishing with epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc.complete on steel work	334.00				
72	13.52.2	Finishing with epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc.complete on concretel work	4160.00				
73	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge.The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.	8626.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
74	15.1	Demolishing lime concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineer- in-charge.	277.00				
75	15.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	225.00				
76	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge.	95.00				
77	15.7.3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge - In lime mortar	661.00				
78	15.7.4	Demolishing brick work manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead - In cement mortar	159.00				
79	15.12.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	120.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
80	15.14.1	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead : Of sectional area 40 square centimetres and above	92.00				
81	15.16.1	Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional height of one metre or part thereof beyond 5 metres - of sectional area 40 square centimetres and above	92.00				
82	15.17.1	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in - R.S.joists	21900.00				
83	15.23.1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead - for thickness of tiles 10mm to 25mm	854.00				
84	15.23.2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead - for thickness of tiles above 25 mm and upto 40 mm	47.00				
85	15.28.1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of - G.S.sheet	186.00				
86	15.28.2	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of - Asbestos sheet	770.00				
87	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	9887.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
88	16.89	Providing wall black board with cement mortar 1:3 (1 cement : 3 sand) finishing with a floating coat of neat cement and black pigment mixed in the proportion 1:2 (one cement : two black pigment) and applying one coat of black board paint including 20mm thick cement plaster band 50mm wide in cement mortar 1:3 (1 cement :3 sand)	450.00				
89	16.95	Supplying fixing and commisioning of Suguna / Texmo / Sharp 1 HP monoblock pumpset slow speed single phase motor. The rate include the cost of pumpset , pumpset fixing in position and test run etc. complete .	2.00				
90	17.2.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C.pan) with seat and lid, 10 litre low level white P.V.C. flusing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS: 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required - W.C. pan with ISI marked white solid plastic seat and lid	6.00				
91	17.7.2	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps, 32mm C.P.brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required - white Vitreous China wash basin size 550x400 mm with a pair of 15 mm C.P.brass pillar taps	8.00				
92	17.13.2	Providing and fixing white vitreous china water closet squatting pan (Indian type) : Orissa pattern W.C. pan of size 580x440 mm	5.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
93	17.23	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.	15.00				
94	17.28.2.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 32 mm dia	8.00				
95	17.32.2	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6mm thick hard board backing - rectangular shape 453 x 357 mm	8.00				
96	17.78.1	Providing and fixing CP brass health faucet of approved quality - 15 mm nominal bore	6.00				
97	18.9.11	Providing and fixing ASTM pipes including all ASTM plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fitting with one step ASTM solvent cement and testing of joints complete (Internal work exposed on wall) - 20mm nominal outer dia pipes	110.00				
98	18.9.13	Providing and fixing ASTM pipes including all ASTM plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fitting with one step ASTM solvent cement and testing of joints complete (Internal work exposed on wall) - 32mm nominal outer dia pipes	70.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
99	18.9.14	Providing and fixing ASTM pipes including all ASTM plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fitting with one step ASTM solvent cement and testing of joints complete (Internal work exposed on wall) - 40mm nominal outer dia pipes	170.00				
100	18.9.15	Providing and fixing ASTM pipes including all ASTM plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fitting with one step ASTM solvent cement and testing of joints complete (Internal work exposed on wall) - 50mm nominal outer dia pipes	60.00				
101	18.16.2	Providing and fixing brass stop cock of approved quality - 20mm nominal bore	13.00				
102	18.17.3	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 40 mm nominal bore	6.00				
103	18.18.2	Providing and fixing ball valve (brass) of approved quality, high or low pressure, with plastic floats complete - 20mm nominal bore	3.00				
104	18.21.2.1	Providing and fixing uplasticised PVC connection pipe with brass unions : 45 cm length 15 mm nominal bore	27.00				
105	18.48A	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS :12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	4000.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
106	18.51.1	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 15 mm nominal bore	30.00				
107	18.53.1	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	25.00				
108	18.58.2.1	Providing and fixing PTMT grating of approved quality and colour - rectangular type with openable circular lid - 150mm nominal size square 100mm diameter of the inner hinged round grating	15.00				
109	19.33.1	Providing and fixing on wall / column face unplasticised - PVC soil and waste pipes (type - B) conforming to IS : 13592- 1992 including jointing with seal ring conformation to IS : 5382 leaving 10mm gap for thermal expansion - single socketed pipes -110mm diameter	110.00				
110	19.33.1B	Providing and fixing on wall face / column face unplasticised - PVC moulded fittings / accessories for unplasticised - PVC soil and waste pipes conforming to IS:14735 - 1999 including jointing with seal ring conforming to IS :5382 leaving 10mm gap for thermal expansion - Single tee without door - 110 x110x110mm	12.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
111	19.33.1C	Providing and fixing on wall face / column face unplasticised - PVC mould fittings/accessories for unplasticised - PVC soil and waste pipes conforming to IS : 14735 - 1999 including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion - bend 110 mm	10.00				
112	19.33.1D	Providing and fixing on wall face / column face unplasticised - PVC mould fittings/accessories for unplasticised - PVC soil and waste pipes conforming to IS : 14735 - 1999 including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion - bend with door 110 mm	10.00				
113	19.33.2	Providing and fixing on wall / column face unplasticised - PVC soil and waste pipes (type B) conforming to IS :13592 - 1992 including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion - Single socketed pipes 75mm diameter	105.00				
114	19.33.2B	Providing and fixing on wall / column face unplasticised - PVC moulded fittings/ accessories for unplasticised - PVC soil and waste pipes conforming to IS :14735 -1999 including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion - Single tee without door - 75x75x75mm	10.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
115	19.33.2C	Providing and fixing on wall / column face unplasticisd - PVC moulded fittings/ accessories for unplasticisd - PVC soil and waste pipes conforming to IS :14735 -1999 including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion - Bend 75 mm	20.00				
116	21.1.1.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS:733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions , i.e at top, bottom and sides with required EPDM rubber / neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing / paneling , C.P.brass / stainless steel screws , all complete as per architectural drawings (Glazing, paneling and dash fasteners to be paid for separately) - for fixed portion - anodised aluminium (anodised transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15)	74.00				
117	21.3.1	Providing and fixing glazing in aluminium door, window , ventilator shutters and partitions etc. with EPDM rubber/ neoprene gasket etc. complete as per the architectural drawings (cost of aluminium snap beading shall be paid in basic item) - with float glass panes of 4.0 mm thickness	5.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
118	27.35.2	Providing and injecting approved grout in proportion recommended by the manufacturers into cracks / honey-comb area of concrete / masonry by suitable gun / pump at required pressure including cutting of Nipples after curing etc complete (The payment shall be made on the basis of actual weight of approved grout injected) - Stirrer mixed SBR Polymer (of approved make) modified Cement slurry made with Shrinkage Compensating Cement in concrete / RCC work	50.00				
119	31.6B	Providing and fixing water meter make (DASMESH) and stop cock in 25mm G.I pipe line including cutting and threading the pipe, making long screws, bolts, nuts, rubber insertions and testing the water meter etc. complete.	1.00				
120	31.168.1I	Providing and fixing in position UPVC moulded elbow (Finolex / jain)(1 Mpa) conforming to IS 7834 part II and ISI marked,including labour charges for jointing, jointing materials etc, complete - 110mm dia	9.00				
121	31.168.1K	Providing and fixing in position UPVC moulded elbow (Finolex / jain)(0.6 Mpa) conforming to IS 7834 part II and ISI marked, including labour charges for jointing, jointing materials etc, complete - 75mm dia	9.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
122	NPSR 4	Providing and Laying Madras Terrace Roofing (15cm thick) with locally available flat bricks of class designation 35(kindikal & achu kal) in traditional technique with experienced masons in lime mortar,using best lime and sand (1lime:2 sand & well ground in a pan mixer cum grinder with kadukai extract and jaggery solution and cured for 14 days) true to line and level at all heights and location including all scaffolding material,labour and sundries complete work including curing. Appl.No.11/PW/SEI/AE(P)-II/F.No. 221/ 2018-19/534 dt.17-04-2018	204.00				
123	NPSR 5	Supplying and fixing of Cast Iron Gate with roller arrangement with curved track as per design and drawing. The rate to includes material, labour and overhead charges, the work should be done as per direction of Engineer - in - charge. Appl.No.256/PW/SEI/AE(P)-II/F.No. 221/ 2017-18/1268 dt.20-10-2017	630.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
124	NPSR 6	Supplying and fixing of Cast Iron compound wall fencing as per design and drawing, Each bay consists of four horizontal member each of 30 kg weight and horizontal rods of alternate small and big rods of 25mm dia (+ or – 2 mm thickness variation) and 10 nos of small rod and 9 nos of big rod and the centre rod will be drilled into the wall and each bay is supported by compound wall intermediate pillar. The rate includes material, labour for fixing and overhead charges, the work should be done as per direction of Engineer - in - charge-Appl.No.256/PW/SEI/AE(P)-II/F.No. 221/2017-18/1268 dt.20-10-2017	7868.00				
125	NPSR 7	Filling in Plinth or trenches,under floors, in areas with Quarry dust including watering, ramming, consolidating and dressing, cost and conveyance of all materials, labour charges, lead, lift etc complete at all levels as directed by the Engineering-in-charge.Non PSR approved by SE-I vide No.396/PW/SEI/ AE(P)-II/ F.No.525/2016-17. dt.28-12-2016	193.00				
126	NPSR 8	Disposal of building rubbish and unserviceable dismantled materials upto 5Km radius the rate include incidental charges and loading for transportation by mechanical means. Rate approved by SE-I vide Lr.No. 183/ PW/SE-I/AE(P)-II/F.No.309/2018-19/91 dt. 22.01.2019	1835.70				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
127	NPSR 9	Removal of sludge from the septic tank and disposal of the same through the sewage tanker in safe location with an average lead of 10KM. The rate to include the cost of labour charge for removing and relaying of cover slab laid over the septic tank, mixing of Ferro Sulphate into the septic tank for through mechanical device and disposal of the same including hire charge for sewage tanker etc., complete as directed by the Engineer-in charge. Rate approved by SE-II vide Lr.No. 6112/ PW/SE-II/AE(P)-6/SB-150/2016-17/1945 dt. 24.11.16	60.00				
128	NPSR 10	Supplying and fixing of C.I Manhole cover with frame to a size of 600mm x 600mm with G.I Coating of approved quality and hinges with locking arrangements etc., complete as directed by the Engineer-in-charge. Rate approved vide Lr.No. 196/ PW/SE-I/AE (P) I/F.No.300/14-15 dt.10.07.2014	6.00				
129	NPSR 11	Providing and fixing Anodised aluminium minimum anodic coating of grade AC15) 4 blade adjustable louvers of required pattern/design over the existing ventilator frame with aluymium screws and including fixing of glass panes (but excluding the cost of glass panes which will be paid seperately (Rate approved vide T.S.No.17/PW/CE/2014-15)	28.00				
130	NPSR 12	Providing and fixing PVC 110mm dia terminal guard - Vent Cowl etc., complete as directed by the Engineer-in-charge. Rate approved by SE-I vide Lr.No. 560/ PW/SE-I/ AE(P)-II/ F.No. 221/2014-15/ dt.13.01.2015	4.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
131	NPSR 13	Providing and fixing 40mm dia UPVC union of approved quality. Rate approved by SE-I vide Lr.No. PW/SE-I/ W/AE(P)-II/ F.No. 221/ 2012-13/ dt. 23.07.2012	4.00				
132	NPSR 14	Brickwork in lime mortar using best quality local lime, with best quality burnt bricks of class designation 35 in 1:2 lime mortar(1 lime :2 sand & well ground in a pan mixer cum grinder with kadukai extract and jaggery solution and cured for 14 days), including the cost of labour, material and overhead charges, complete work (including provision of vent slots for timber beams and rafters where applicable). Appl.No.11/PW/SEI/AE(P)-II/F.No. 221/ 2018-19/534 dt.17-04-2018	271.00				
133	NPSR 15	Providing and laying 45 x 45cm grey granite slab of thickness 3cm in the pavements top surface flame finished with neat edges, 1cm wide recessed cement pointing, laid over 2cm thick cement mortar 1:4(1 cement :4 sand)(Rate approved by SE-I vide No:244 /PW/SEI /AE(P)II /F.No. 221/2017-18/1226.)dt:09-10-17	45.00				
134	NPSR 16	Hire charges for providing support to the heritage building ceiling during the process of replacing the wooden rafters/beams with new wooden rafters/beams using 50mm dia M.S.adjustable jackies to an extended length not less than 5.50m and using wooden planks in position etc., complete as directed by the Engineer-in-charge. Rate approved by SE-I vide Lr.No. 47/ PW/SE-I/AE(P)-I/F.No.CB-336 2016-17 dt. 20.06.2016	96.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
135	NPSR 17	Supplying and fixing of double groove approved mangalore tiles,as per standard specification rate to include tying of edge tiles with 18 gauge copper wire and brass screw as per direction of engineer in charge.(Appd by 251/PW/SEI/AE(P)-II/F.No.221/2017-18/1253.dt.16/10/2017	344.00				
136	NPSR 18	Supplying and fixing of double groove approved mangalore ridge tiles,as per standard specification and including all scaffolding, labour and sundries complete work including tying of edge tiles with 18 gauge copper wire as per direction of Engineer in charge. Appd by 251/PW/SEI/AE(P)-II/F.No.221/2017-18/1253.dt.16/10/2017	6.50				
137	NPSR 19	Providing and fixing 3 lined dressed granite brackets (45x15x10cm),sunk and moulded as per drawings,as support for the wooden beams.The rate are inclusive of materials , labour, civil works, scaffolding, etc, complete as per Engineer-in-charge. APPROVED BY - No128/PW/SE-I/AE(P)-I/F.CB330/2015-16	40.00				
138	NPSR 20	Supplying of M.S square rod 40mm x 40mm in size for holding wooden wall plate as per detailed drawing rate to include the cost of scaffolding, cutting, bending placing and welding and fixing the wall in position with 1:1.5:3 Cement concrete and two coat of powder coat over a base approved primer -Large size.-Appd by 319/PW/SEI/AE(P)-II F.No.221/2017-18/1521 dt.14-12-17.	86.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
139	NPSR 21	Removing the existing wood paint and scrapping the wood surface by using machine and manual with proper tools. To ensure the surface will be smooth and free from deposits, dust etc., complete as directed by Engineer-in-charge.	504.00				
140	NPSR 22	Repairing ornamental plaster works 35 to 40mm thick to match with the existing design as per detailed drawing. Using composite design mix lime plaster 1:2 in two coats under layer 20mm thick plaster and top layer 15 to 20mm thick plaster of the composite design mix as follows - (Cement (OPC) 1 part, silicafume 1 part, lime 6 part) Fine M. Sand 2 part and airtent admixture 100 ml for 50 kg powder plastered with trowell smooth finishing for verandah circular pillar capital. The rate including cost of materials labour, GST and CP etc., complete	38.00				
141	NPSR 23	Repairing ornamental plaster work 35 to 40mm thick to match with the existing design as per detailed drawing. Using composite design mix lime plaster 1:2 in two coats under layer 20mm thick plaster and top layer 15 to 20mm thick plaster of the composite design mix as follows - (Cement (OPC) 1 part, silicafume 1 part, lime 6 part) Fine M. Sand 2 part and airtent admixture 100 ml for 50 kg powder plastered with trowell smooth finishing for verandah circular pillar base. The rate including cost of materials labour, GST and CP etc., complete	38.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
142	NPSR 24	Renovation of Masonary "Elephant statue" as per the existing size and shape, plastering in cement mortar 1:4 (1cement : 4 sand) at an average thickness of 15mm in trowel finish including dismantling, materials, labour, scaffolding etc., complete as directed by the Engineer-in-charge	2.00				
143	NPSR 25	Providing and Making Ornamental cornice work including arch as per the existing size (as mentioned in the detailed drawing) and shape plastering in Lime Mortar 1:2 (1Lime: 2sand) at an average thickness of 15mm in trowel finish including dismantling, material, labour, scaffolding etc., complete as directed by the Engineer-in-charge-(Inside of Outer corridor)	34.00				
144	NPSR 26	Controlled Removing & Re-setting the existing granite slab laid on steps using cement mortar 1:3 of 20mm thick with neat pointing in C.M.1:3 as per earlier laying type as directed by Engineer-in-charge. The rate including labour, material, finishing etc., complete	48.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
145	NPSR 27	Supporting Madras terrace roof including strutting , propping to the existing ceiling at all height during the process of replacing of wooden rafters/dismantling the existing roof with steel props(@ 0.60m c/c) and wooden runner (or) planks and removal of props for - Suspended floors and roofs. The rate including hire charges for materials conveying etc.,The payment will be made once irrespective of duration of supporting with props to complete the job.(The supporting system should withstand the short load and vibratory load resulting because of demolition carriedout on the terrace above the floor which is supported)	843.00				
146	NPSR 28	Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters of outer frame of 30-40mm thick and inner shutter of 25-35mm thick to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the detailed drawing & as per the direction of Engineer-in-charge.	90.00				
147	NPSR 29	Taking out existing wooden window shutter, repair by cutting, painting etc. and refixing of repaired door shutters of outer frame of 30-35mm thick and inner shutter of 20-35mm thick to existing window frames, including replacement of hinges with screws, etc. as required, all complete as per the detailed drawing as directed by Engineer-in-charge.	65.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
148	NPSR 30	Providing and fixing MS kodali keel (Hinges) of 300mm height One end fixed in to the wall with cement concrete 1:2:4 and other end to the door as per the detailed drawing given.	40.00				
149	NPSR 31	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc.complete : - 1500x12mm	68.00				
150	NPSR 32	Plastering the existing Circular Pillar for a height of 5m with 35 to 40mm(nominal) thick in two layers with using Composite design mix 1:2 in two coats under layer 20mm thick plaster and top layer 15 to 20mm thick plaster of the composite design mix as follows - (Cement (OPC) 1 part, silicafume 1 part, lime 6 part) Fine M. Sand 2 part and airtent admixture 100 ml for 50 kg powder including labour, materials, curing etc., complete work as per specifications and detailed drawing as directed by Engineer-in-charge	301.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
151	NPSR 33	Providing, chipping and clearing the plastering surface of existing Compound wall Octagonal Pillar and replastering the same with 35 to 40mm (nominal) thick in two layers with using Composite design mix 1:2 in two coats under layer 20mm thick plaster and top layer 15 to 20mm thick plaster of the composite design mix as follows - (Cement (OPC) 1 part, silicafume 1 part, lime 6 part) Fine M. Sand 2 part and airt admixture 100 ml for 50 kg powder . Plastered with trowell smooth finishing including mouldings and cornice works. Compound wall Octagonal Pillar of 2.67m height and 0.80m over all width. In octagon shape each face having 20cm width for a height of 1.75m. The pillar having top and base with mouldings, cornice etc as per detailed drawing including necessary scaffolding, labour, materials etc., complete work as per specifications and detailed drawing as directed by Engineer-in-charge	66.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
152	NPSR 34	Providing , chipping and clearing the plastering surface of existing Compound wall Gate Pillar and replastering the same with 35 to 40mm (nominal) thick two layers with using Composite design mix 1:2 in two coats under layer 20mm thick plaster and top layer 15 to 20mm thick plaster of the composite design mix as follows - (Cement (OPC) 1 part, silicafume 1 part, lime 6 part) Fine M. Sand 2 part and airtent admixture 100 ml for 50 kg powder. Plastered with trowell smooth finishing including mouldings and cornice works. Compound wall Gate Pillar of 3.16m height and 1.18m over all width having mouldings, cornice etc as per detailed drawing including necessary scaffolding, labour, materials, curing etc., complete work as per specifications and detailed drawing as directed by Engineer-in-charge	28.00				
153	NPSR 35	Providing and making square shaped horizontal groove (sunk band) on the allround outerwalls in G.Floor above 15cm from floor lvl of size 15mm x 15mm finished with using Composite design mix 1:2 as per architectural drawing as directed by Engineer-in-charge.	260.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
154	NPSR 36	Providing and fixing at all level Precast reinforced " Self Compacting Concrete " rafters for retrofitting work of Jacking operation for arches, arch ribs, columns, beams haunches including the cost of centering, shuttering, finishing but excluding the cost of reinforcement with design mix of self compacting concrete as follows - Cement 500kg/cum, sand 700kg/cum, silicafume 75kg/cim, quartz powder 125kg/cum, plasticiser (supaflo PC 766) 6 lit/cum, HBG metal 10mm size @ 690 kg/cum and water 180 lit/cum all as directed by the Engineer-in-charge.	167.00				
155	NPSR 37	Providing reinforced " Self Compacting Concrete " at all level in beams, suspended floors lintels, bands, plain window sills, staircase at all level excluding the cost of centering, shuttering, finishing and reinforcement with composite design mix as follows - Cement 500kg/cum, sand 700kg /cum, plasticizer 75kg/cum, quartz powder 125kg/cum, plastizer 6 lit/cum, HBG metal 10mm size @ 690 kg/cum and water 180 lit/cum all as directed by the Engineer-in-charge.	11.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
156	NPSR 38	Providing and laying pressed clay tiles of size 250x250mm (as per approved pattern 18mm nominal thickness as approved size) on roof finished with composite mix,laid over a bed of 20mm thick composite mix mortar as follows - (Cement (OPC) 4 parts, silicafume 1 part, lime 2 parts) 2 part fine M.Sand and add Airent admixture 100ml mixed with the required quantity of water per 50 kg. of powder.	1423.00				
157	NPSR 39	Providing and laying composite design mix lime concrete terracing on roofs of required thickness laid to fall with 20mm nominal size brick aggregate with design mix as follows - Lime 1 part, Quarry dust 2 part, surkhi 4 parts and 3 kg silicafume for every 50 kg hydrated lime including rounding of junction with parapet wall complete.	111.50				
158	NPSR 40	Providing and laying composite design mix lime concrete in walls, wall (any thickness) including attached pilasters columns, piers, parapet coping, bed blocks etc upto floor five level excluding the cost of centering, shuttering and finishing composite mix as follows - lime 1 part Quarry dust 2 part, surkhi 4 parts and 3 kg silicafume for every 50 kg hydrated lime	14.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
159	NPSR 41	Plastering in ceiling 15mm thick at all height in composite design mix 1:2 as follows - (Cement (OPC) 1 part, silicafume 1 part, lime 6 part) fine M-sand 2 part and airtent admixture 100 ml / 50 kg of powder including necessary scaffolding, labour, materials, curing etc., complete work as per specifications as directed by Engineer-in-charge	1877.00				
160	NPSR 42	Plastering the walls 35 to 40mm thick at all height using Composite design mix 1:2 in two coats under layer 20mm thick plaster and top layer 15 to 20mm thick plaster of the composite design mix as follows - (Cement (OPC) 1 part, silicafume 1 part, lime 6 part) Fine M. Sand 2 part and airtent admixture 100 ml for 50 kg powder including necessary scaffolding, labour, materials, curing etc., complete work as per specifications as directed by Engineer-in-charge	10220.50				
161	NPSR 43	Providing , hoisting and fixing upto floor five level precast reinforced cement concrete in M25 grade design mix jolly as per given detailed drawing in Parapet wall , windows sills etc. including finishing in cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centering , shuttering but excluding the cost of reinforcement.	35.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
162	NPSR 44	Providing and fixing 15mm thick eaves board of 20 cm height in Padauk wood planks as per the detailed drawing. The rate to include the cost of all materials labour charges for hoisting , fixing the board in position to the wooden rafters drilling holes and fixing with screws to the alignment , scaffolding, applying wood preservatives, etc. complete. As directed by the Engineer in charge.	43.00				
163	NPSR 45	Providing and fixing specified wood frame with wooden rafters / battens for sun shade including hoisting fixing in position to the walls / granite bracket as well as to the MS brackets provided for the wooden rafters by drilling necessary holes to fixing with screws, rawl plugs, applying wood preservative, scaffolding all as per the detailed drawing as directed by the Engineer in charge, but excluding the cost of wood.	9.50				
164	NPSR 46	18mm thick and 20mm wide moulded Lime mortar (1:2) band (Door & Window) in two coats under layer 12mm thick with composite mortar (1:2) including 6mm thick finished coat	18610.00				
165	1.10.3	Wiring or light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class pvc conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc.as required - GROUP C (For Light Points Only)	227.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
166	1.11	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc.as required. (For Light Points Only)	2.00				
167	1.55.3	Wiring for group controlled (looped) light point / fan point / exhaust fan point / call bell point (without indepdent switch etc.) with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed PVC conduit, and earthing the point 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc.as required - Group C (For Light Points Only)	162.00				
168	1.14.1	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required - 2 X 1.5 sq.mm + 1 x 1.5 sq.mm earth. (For Fan Points)	1638.00				
169	1.14.2	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required - 2 X 2.5 sq.mm + 1 x 2.5 sq.mm earth	3195.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
170	1.14.3	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required - 2 X 4 sq.mm + 1 x 4 sq.mm earth wire	932.00				
171	1.14.4	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required - 2 X 6 sq.mm + 1 x 6 sq.mm earth wire	91.00				
172	1.14.5	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required - 2 X 10 sq.mm + 1 x 6 sq.mm earth wire	350.00				
173	1.14.9	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required - 4 X 6 sq.mm + 2 x 6 sq.mm earth wire (If Required)	15.00				
174	1.14.10	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required - 4 X 10 sq.mm + 2 x 6 sq.mm earth wire (If Required)	15.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
175	1.21.1	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required - 20mm	30.00				
176	1.21.2	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required - 25mm	75.00				
177	1.21.3	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required - 32mm	20.00				
178	1.20.2	Supplying and fixing of following sizes of steel conduit along with accessories in surface / recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required - 25 mm	50.00				
179	1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box / wooden block including connection etc as required.	377.00				
180	1.27.1	Supplying and fixing following size / modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required - 1 or 2 module (75mm x 75mm)	131.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
181	1.27.2	Supplying and fixing following size / modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required - 3 module (100mm x 75mm)	28.00				
182	1.27.3	Supplying and fixing following size / modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required - 4 module (125 mm x 75 mm)	5.00				
183	1.27.4	Supplying and fixing following size / modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required - 6 module (200 mm x 75 mm)	60.00				
184	1.27.5	Supplying and fixing following size / modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required - 8 module (125 mm x 125 mm)	19.00				
185	1.27.6	Supplying and fixing following size / modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required - 12 module (125 mm x 125 mm)	14.00				
186	1.24.1	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required - 5/6 A switch	246.00				
187	1.24.3	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required - 15/16 A switch	70.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
188	1.24.4	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required - 3 pin 5/6 A socket outlet	116.00				
189	1.24.5	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required - 6 pin 15/16 A socket outlet	70.00				
190	1.57	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc .as	12.00				
191	EDP. approved rate 1	Supply of 4 x 16sqmm PVC sheathed armoured aluminium U.G cable - 1.1 KV grade. Make:Finolex/Polycab	430.80				
192	EDP. approved rate 2	Supply of 4C x 25 sqmm PVC sheathed armoured aluminium U.G cable- 1.1 KV grade. Make:Finolex/Polycab	48.00				
193	EDP. approved rate 3	Supply of 4C x 50 sqmm PVC sheathed armoured aluminium U.G cable- 1.1 KV grade. Make:Finolex/Polycab	90.00				
194	9.1.33	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required - 4 X16 sq.mm (28 mm)	12.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
195	9.1.34	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required - 4 X25 sq.mm (28 mm)	4.00				
196	9.1.36	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required - 4 X50 sq.mm (35 mm)	4.00				
197	7.1.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc.as required - Upto 35 sq.mm	478.80				
198	7.1.2	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc.as required - above 35 sq.mm and upto 95 sq.mm	90.00				
199	4.6.2	Supplying and installing following size of perforated Hot dipped Galvanised iron cable tray (galvanization thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I.suspenders including G.I.bolts & nuts, etc .as required - 150 mm width x 50 mm depth x 1.6mm thickness	300.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
200	4.6.4	Supplying and installing following size of perforated Hot dipped Galvanised iron cable tray (galvanization thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I.suspenders including G.I.bolts & nuts, etc .as required - 300 mm width x 50 mm depth x	120.00				
201	4.7.2	Supplying and installing following size of perforated Hot dipped galvanised iron cable tray "bends" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I.suspenders including G.I. bolts & nuts, etc.as required - 150 mm width x 50 mm depth x 1.6 mm thickness	6.00				
202	4.7.4	Supplying and installing following size of perforated Hot dipped galvanised iron cable tray "bends" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I.suspenders including G.I. bolts & nuts, etc.as required - 300 mm width x 50 mm depth x 1.6 mm thickness	4.00				
203	14.14.2	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75cm deep) and refilling etc.as required - 100mm Dia	66.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
204	5.2	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal / coke and salt as required	5.00				
205	5.15	Providing and fixing 25mm x 5mm GI.strip on surface or in recess for connections etc . as required	72.00				
206	5.17	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required	120.00				
207	1.18.2	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface / recessed steel / PVC conduit as required - two pair	1332.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
208	NPSR 47	Supply, installation, testing and commissioning of 415V metering panel board fabricated with 14G CRCA sheet steel, powder coated with siemens gray (RAL7032 IS-5) after seven tank process, complete with aluminium bus bars (the clearance shall not less than 25 mm for phase-phase and 19mm for phase-neutral/earth), 3.15mm sheet steel or 40x40x6mm MS angle for load bearing members, lifting hooks, MS base frame of 75mm height incomers and outgoing switchgear as below. The item including cost of supply and fixing of 3-phase energy meters, necessary sealing arrangements, 25x3mm GI earthing throughout the bottom length, 6 sq.mm FRLS copper wire inter connections for compartment earthing, complete copper control wiring with crimping type ferrules, copper lugs, proper engraving sheet to be fixed on each outgoing etc.	1.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
		Also the cost inclusive of minor civil works and providing necessary, support structure/frames with painting as required for erection. All complete as per specifications, drawing and/or as required by CEA/PED. The contractor shall submit general arrangement & control wiring drawings and get approval from site Engineer/Consultant before commence the fabrication works. Note: panels costing should be as per sld & with respect to PED standards Metering Panel-1 1 Sets each comprising of: a) 100A TPN Fuse cut outs with neutral link. b) Provision for Three phase Energy meter as per PED requirement. c) 100A FP MCB (C - curve 10KA)					
209	NPSR 48	MAIN PANEL Incomer : 100A 4P on-load manual change over switch with control MCB's, MFn meter and phase indications etc. - 1 No. 100A FP MCCB - 1 No Outgoings : a) 63A TPN MCB (C - curve 10KA) - 5 Nos b) 40A TPN MCB (C - curve 10KA) - 5 Nos	1.00				
210	NPSR 49	UPS SB Incomer : 63A FP MCB - 1 No Outgoings : a) 40A DP MCB (C - curve 10KA) - 6 Nos b) 32A DP MCB (C - curve 10KA) - 2 Nos	1.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
211	NPSR 50	Supplying and drawing of 10 Pair, FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.	30.00				
212	NPSR 51	Supplying and drawing of 20 Pair, FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.	60.00				
213	NPSR 52	Supplying and drawing of 100 Pair, FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.	15.00				
214	NPSR 53	Supply and fixing of 10-pair telephone Krone type junction boxe enclosed in MS box with hinged cover with lock & key arrangements, all complete as per specifications, drawings and / or as directed by the Engineer.	1.00				
215	NPSR 54	Supply and fixing of 20-pair telephone Krone type junction boxe enclosed in MS box with hinged cover with lock & key arrangements, all complete as per specifications, drawings and / or as directed by the Engineer.	3.00				
216	NPSR 55	Supply and fixing of 100-pair telephone Krone type junction boxe enclosed in MS box with hinged cover with lock & key arrangements, all complete as per specifications, drawings and / or as directed by the Engineer.	1.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
217	NPSR 56	Supply, installation, testing and commissioning of IPBAX system of 100 lines with required operator console, port, distribution frames etc., The rate shall include all allied and implied items for complete commissioning of the system. The incoming P&T line shall be for 4 nos. Make: NEC / Sintel.	1.00				
218	NPSR 57	DATA NETWORKING & CAMERA Supply and laying of CAT 6 UTP cable for voice network complete with all accessories, wiring terminations, connected civil works, rough plastering etc. Make: D link	3056.00				
219	NPSR 58	SPEAKER Supply & laying of 2 core speaker twin twisted cable of size 70/36mm in PVC conduits including bends, junction boxes with necessary clampings and required accessories.	238.00				
220	2.4.2	DISTRIBUTION BOARD Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, Interconnections, powder painted including earthing etc. as required (but without MCB / RCCB / Isolator) 6way (4+18), double door	3.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
221	2.4.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB disribution board, 240 V, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required (But without MCB / RCCB / Isolator) - 8 way (4+24), double door	3.00				
222	2.3.4	Supplying and fixing following way, single pole and neutral, sheet steel, MCB disribution board, 240 V, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required (But without MCB / RCCB / Isolator) - 16 way, double door	1.00				
223	2.3.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB disribution board, 240 V, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required (But without MCB / RCCB / Isolator) - 12 way, double door	3.00				
224	2.3.2	Supplying and fixing following way, single pole and neutral, sheet steel, MCB disribution board, 240 V, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required (But without MCB / RCCB / Isolator) - 8 way, double door	1.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
225	2.24.2	Supplying and fixing Cable End Box (loose wire box) (IP 43) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 V, on surface / recess, complete with testing and commissioning etc.as required. For 6 way, double door TPN MCB DB	3.00				
226	2.24.1	Supplying and fixing Cable End Box (loose wire box) (IP 43) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 V, on surface / recess, complete with testing and commissioning etc.as required. For 4 way, double door TPN MCB DB	3.00				
227	2.17	Supplying and fixing TP sheet steel enclosure on surface / recess along with 16/25/32 A, 415 V "C" curve TP MCB complete with connections, testing and commissioning etc as required	2.00				
228	2.10.1	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. - Single Pole	134.00				
229	2.14.1	Supplying and fixing following rating, double pole, (single phase and neutral), 240V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc as required - 25 A	3.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
230	2.14.2	Supplying and fixing following rating, double pole, (single phase and neutral), 240V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc as required - 40 A	15.00				
231	2.14.3	Supplying and fixing following rating, double pole, (single phase and neutral), 240V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc as required - 63 A	3.00				
232	2.12.1	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc.as required - 40 A	5.00				
233	2.12.2	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc.as required - 63 A	3.00				
234	2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc.as required	33.00				
235	3127-O	Supplying of 1200mm sweep double ball bearing ceiling fan Make: Almonard/Usha	130.00				
236	1408	Stepped type Modular Fan regulator (2 module)	130.00				
237	3141-O	3mm thick mica plate for fan hook box (L.M.R)	130.00				
238	3140-O	Concealed type ceiling fan metal hook. (L.M.R)	130.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
239	1.47	Supplying and fixing extra down rod of 10 cm length G.I.pipe, 15 mm dia, heavy gauge including painting etc . As required. (Note: More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	65.00				
240	1.44	Installation testing and commissioning of ceiling fan/wall mounting fan and wiring the down rod of standard length .(upto 30cm) with 14/.86mm Plastic insulated twisted Copper wire including earthing as required:	130.00				
241	3129-O	Supply of 300mm 1400 rpm heavy duty exhaust fan Make:Almonard/Orient/Usha	9.00				
242	1.50.1	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing,commissioning etc. as required - Upto 450 mm sweep	9.00				
243	1.35	Installation, testing and commissioning of wall bracket / ceiling fittings of all sizes and shapes containing upto two GLS / CFL /LED lamps per fitting. Complete with all accessories including connections etc as required.	12.00				
244	1.24.7	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required - TV antenna socket outlet.	2.00				
245	NPSR 59	LIGHT FIXTURES Fixing Step type socket Fan Regulator on the existing switch box/cover including connections etc. as required.	130.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
246	EDP approved rate 4	Supply and Fixting of 20W LED tube light fitting Make: Philips / Bajaj / Benio	284.00				
247	NPSR 60	Supplying and fixing of 230V, 1 x 18W LED wall mounted light fitting with suitable 18W LED lamp and necessary fixing accessories as required. Make: Philips/Bajaj	78.00				
248	NPSR 61	Supplying and fixing of 1 x 10 LED 2' Washbasin light fittings with suitable 10W LED lamp and necessary fixing accessories as required. Make: Philips/Bajaj	6.00				
249	NPSR 62	Supplying and fixing of 230V, 1 x 20W LED Wall bracket mounted type light fitting with suitable 20W LED lamp and necessary fixing accessories as required. Make: Philips/Bajaj	12.00				
250	NPSR 63	TELEPHONE Supplying and fixing RJ 11 modular type Telephone outlet and modular plate in cadmium / GI plated MS box including making connections etc as required. Make: MK / Crabtree	53.00				
251	NPSR 64	DATA NETWORKING Supplying and fixing Data socket outlet modular type and modular plate in cadmium / GI plated MS box including making connections etc as required. Make: MK / Crabtree	79.00				
252	NPSR 65	Supply, installation, testing and commissioning of 8 port Data switches with rack, the rate shall be inclusive of all required civil works. (Make: Netgear / Digilink)	1.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
253	NPSR 66	Supply, installation, testing and commissioning of 16 port Data switches with rack, the rate shall be inclusive of all required civil works. (Make: Netgear / Digilink)	1.00				
254	NPSR 67	Supply, installation, testing and commissioning of 24 port Data switches with rack, the rate shall be inclusive of all required civil works. (Make: Netgear / Digilink)	3.00				
255	NPSR 68	Supply of wall Mounted network rack - 9U door of glass, completely covered and have security lockers, proper ventilated with one fan one cable manager, power distribution units of 6nos (5A) sockets with surge protection, mounting accessories and 5A top Ventilation switch.	2.00				
256	NPSR 69	Installation of wall Mounted network rack - 9U door of glass, completely covered and have security lockes, proper ventilated with one fan one cable manager, power distribution units of 6nos(5A) sockets with surge preotection, mounting accessories and 5A top Ventilation switch.	2.00				
257	NPSR 70	Supply and laying of HDMI Cables with 25mm pvc conduit with all accessories - 5Mtrs	2.00				
258	NPSR 71	Supply and laying of HDMI Cables with 25mm pvc conduit with all accessories - 20Mtrs	2.00				
259	NPSR 72	Supply and laying of HDMI Cables with 25mm pvc conduit with all accessories - 30Mtrs	1.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
260	NPSR 73	Supply and fixing of HDMI cable - 3 Mtrs.	2.00				
261	NPSR 74	Supply and fixing of VGA cable - 3 Mtrs.	2.00				
262	NPSR 75	Supply and fixing of Wireless Mouse	2.00				
263	NPSR 76	Supply and fixing of NT USB 2.0 1.8Mtrs.	2.00				
264	NPSR 77	CAMERA Supplying and installing Wall or ceiling mounted indoor type Fixed Dome IP Camera with 1/3" 2MP PS CMOS Image Sensor 2MP@25/30fps, IR Range of 20 Mtrs,. The items including necessary fixing accessories.	57.00				
265	NPSR 78	Supply, fixing and termination of high quality rack mounted type patch panel with one number of 16 port POE network switch, fixing frames, links and interconnections, necessary accessories etc., all complete as per specifications, drawings and / or as directed by the Engineer.	2.00				
266	NPSR 79	Supply, fixing and termination of high quality rack mounted type patch panel with one number of 24 port POE network switch, fixing frames, links and interconnections, necessary accessories etc., all complete as per specifications, drawings and / or as directed by the Engineer.	2.00				

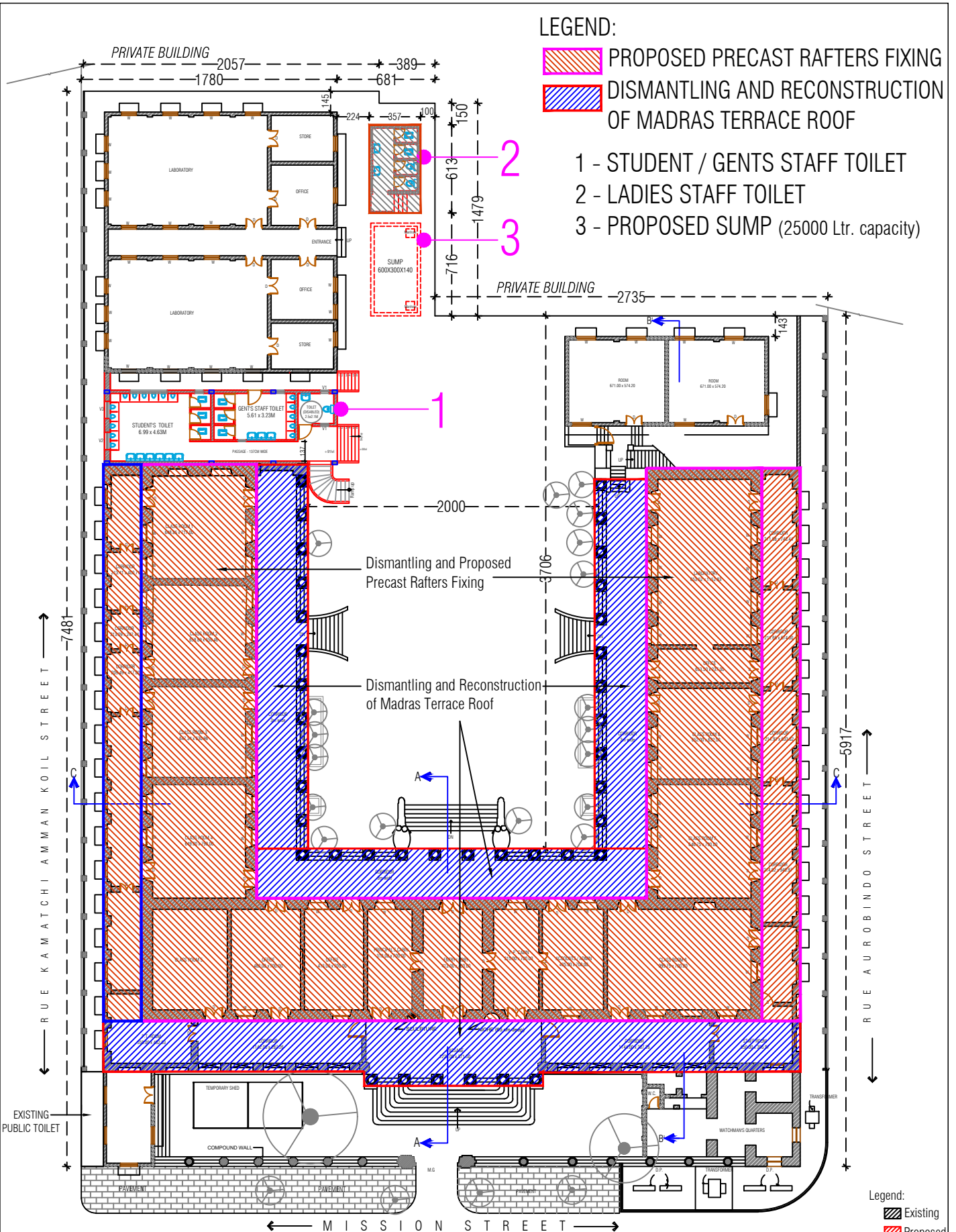
Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
267	NPSR 80	Supply of wall Mounted network rack - 9U door of glass, completely covered and have security lockers, proper ventilated with one fan one cable manager, power distribution units of 6nos (5A) sockets with surge protection, mounting accessories and 5A top Ventilation switch.	1.00				
268	NPSR 81	Installation of wall Mounted network rack - 9U door of glass, completely covered and have security lockers, proper ventilated with one fan one cable manager, power distribution units of 6nos(5A) sockets with surge protection, mounting accessories and 5A top Ventilation switch.	1.00				
269	NPSR 82	Supplying and installing of 64 Channel Network Video Recorder with Max 320Mbps incoming bandwidth Smart H.265+/H.265/ Smart H.264+/H.264/ MJPEG Up to 12MP resolution preview and playback Support 8 SATA HDDs up to 10TB Each, 4 USB (2 USB3.0, 2USB2.0) 2 HDMI / 2VGA simultaneous video output Support Multi-brand network cameras Support RAID 0/1/5/10 Mobile Software: iCMOB, gCMOB CMS Software: KVMS Pro. The items including supply of 4TB hard disk, connectors, pins and providing complete configuration etc.	1.00				
270	NPSR 83	Supplying and installing of Power Supply Unit along with necessary Battery backup, suitable for 1 nos. 64 channel network video recorder system.	1.00				
271	NPSR 84	Supplying and installing of 43" LED colour monitor.	1.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
272	NPSR 85	SPEAKER Supplying and installing of 10 Watts, Wall/ceiling mounted type high quality metallic grill type 100V line speaker with built-in line matching transformer and necessary mounting boxes and fixing accessories.	40.00				
273	NPSR 86	Supply of 500W Mixer - amplifier, Power supply : AC 240V 50/60HZ/DC-36V Rated power : 500W, Tone controls bass - +/- 10dB at 100HZ. Treble - +/- 10dB at 10KHZ, Input wire : 6 x Mic 0.7mV/600 ohms bal TRS. 2-Aux 100mV/10Kohms, RCA Pair, 1xLine 1V/10Kohms, bal TRS.	1.00				
274	NPSR 87	Supply of Cordless microphone Hand held. Receiver: Single channel Non-Diversity. Frequency Response: 50Hz to 15KHz, Polar Pattern : Cardioid, Output: Unbalance 1/4" jack Power req: Mic 9V Alkaline Battery. Receiver: 240V AC 50HZ for AC adaptor supplied with the set. Make: Studiomaster. Model: ER11/EM11 (Handheld).	1.00				
275	NPSR 88	Supplying and installing of 230V, CD/MP3/DVD Player with necessary power chord.	1.00				

Sl.No	Code No.	Description of Work	Quantity	Unit	Rate		Amount
					In Fig	In Word	
276	NPSR 89	Supply and erection of 3 phase 415 V, 15KVA in 3P out online UPS with suitable BCB (Battery circuit breaker), filters, 20Nos. 12V 42Ah SMF batteries with 30 Minutes backup with necessary fizing accessories etc. Make Numeric/Consul/Luminous Battery make Exide/Quanta	1.00				

This NIT contains 276 items and approved for an amount of Rs. 5,04,63,457/-
(Rupees Five crore four lakhs sixty three thousand four hundred and fifty seven only)

**CHIEF EXECUTIVE OFFICER
PSCDL**



Name of work:
Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry

Puducherry Smart City Development (P) Limited,

Structural Consultant:
Pondicherry Engineering College, Puducherry.
Design Consultant:
INTACH Pondicherry
62, Sri Aurobindo Street,
Puducherry 605 001.

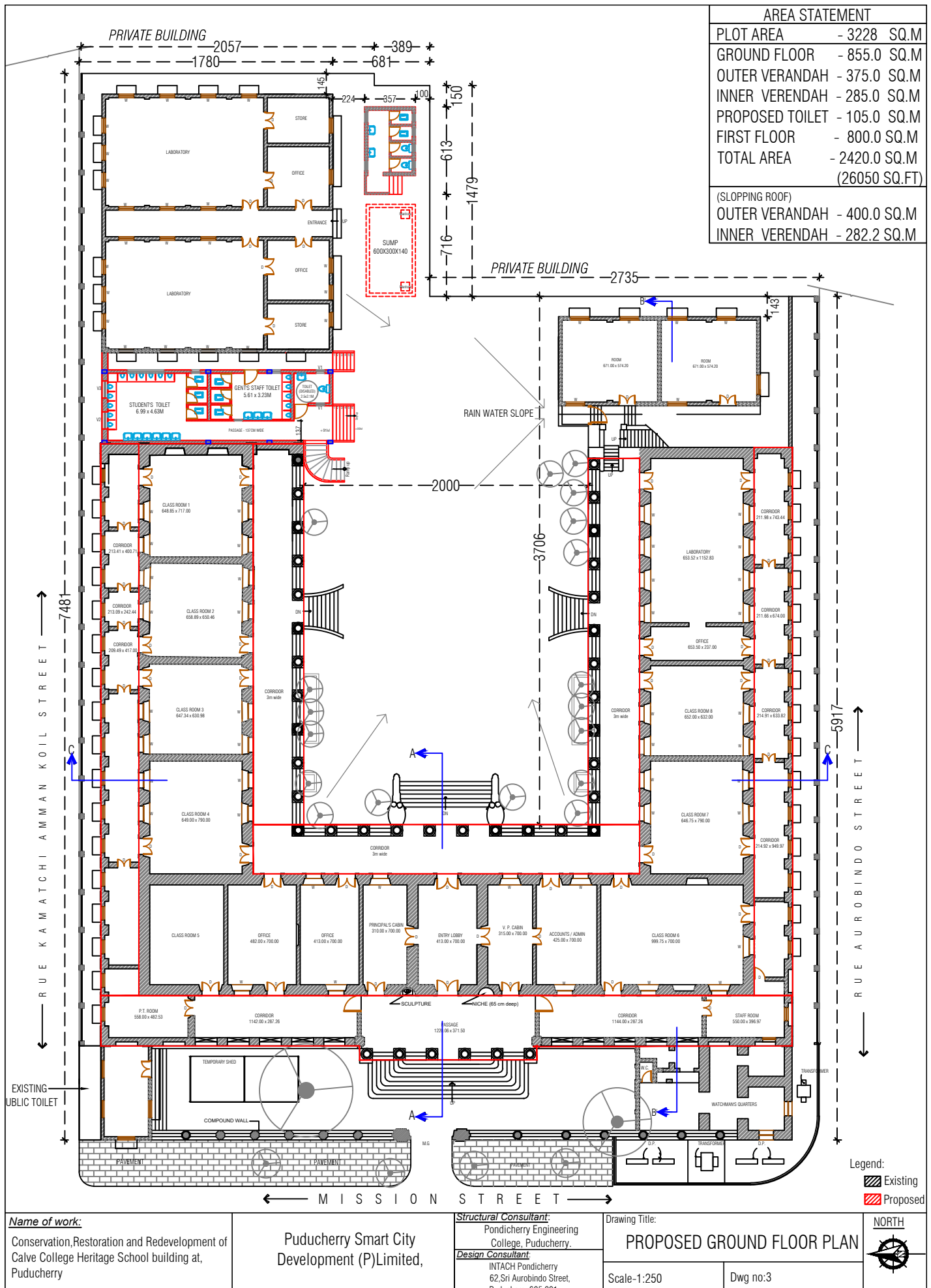
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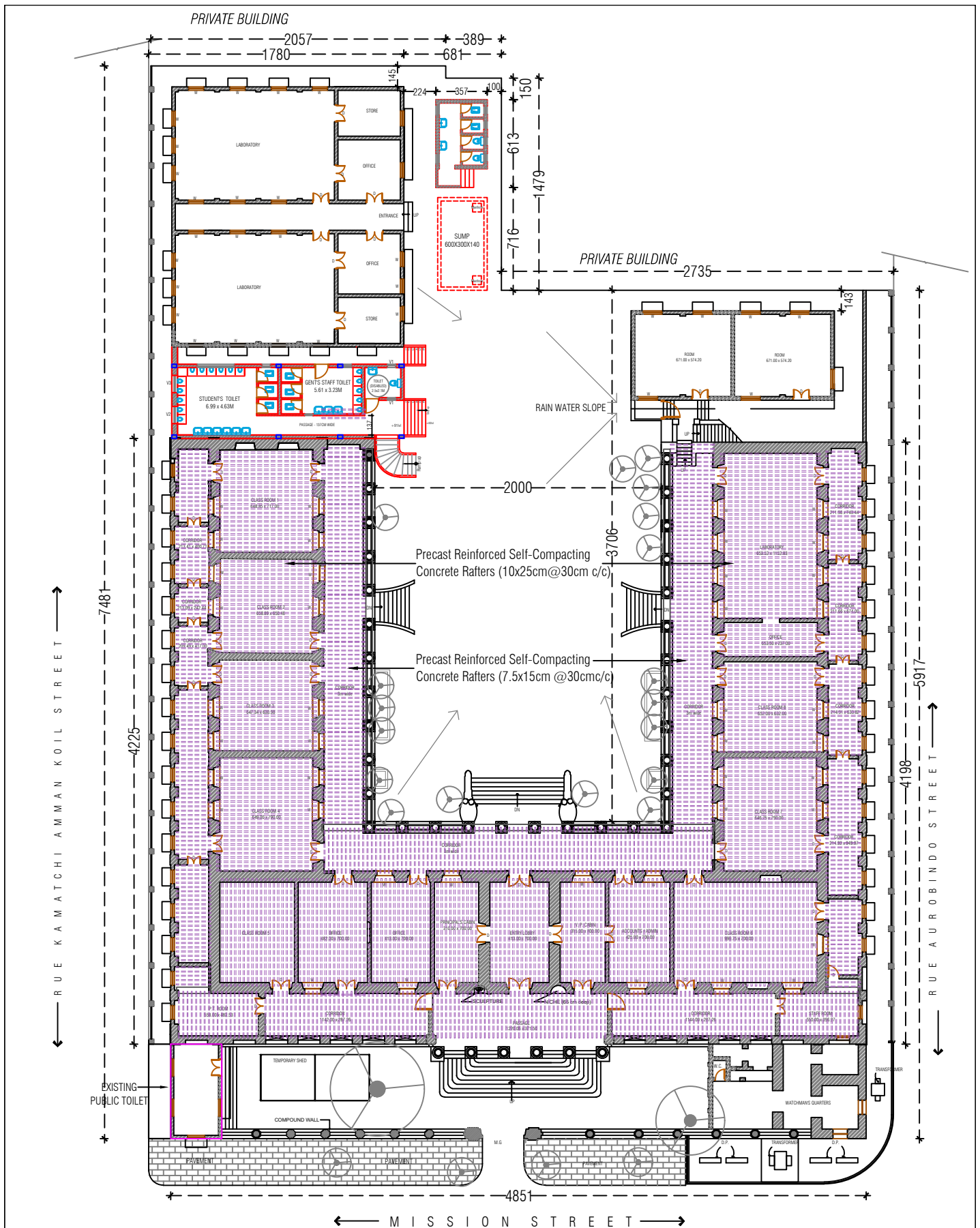
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NORTH









Name of work:

Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry

Puducherry Smart City Development (P) Limited,

Structural Consultant:

Pondicherry Engineering College, Puducherry.

Design Consultant:

INTACH Pondicherry
62, Sri Aurobindo Street,
Puducherry 605 001.

Drawing Title:

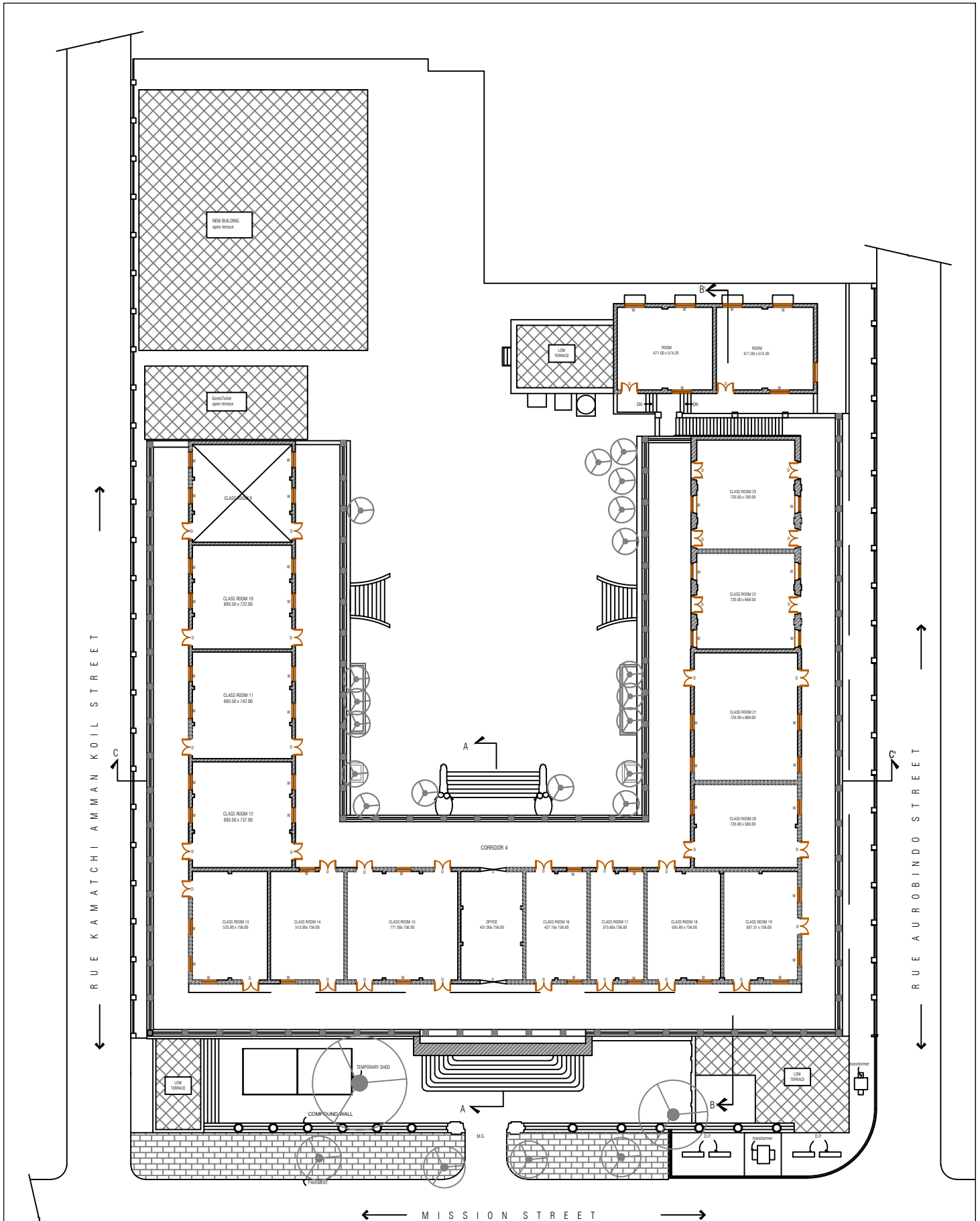
PROPOSED GROUND FLOOR RAFTER PLAN

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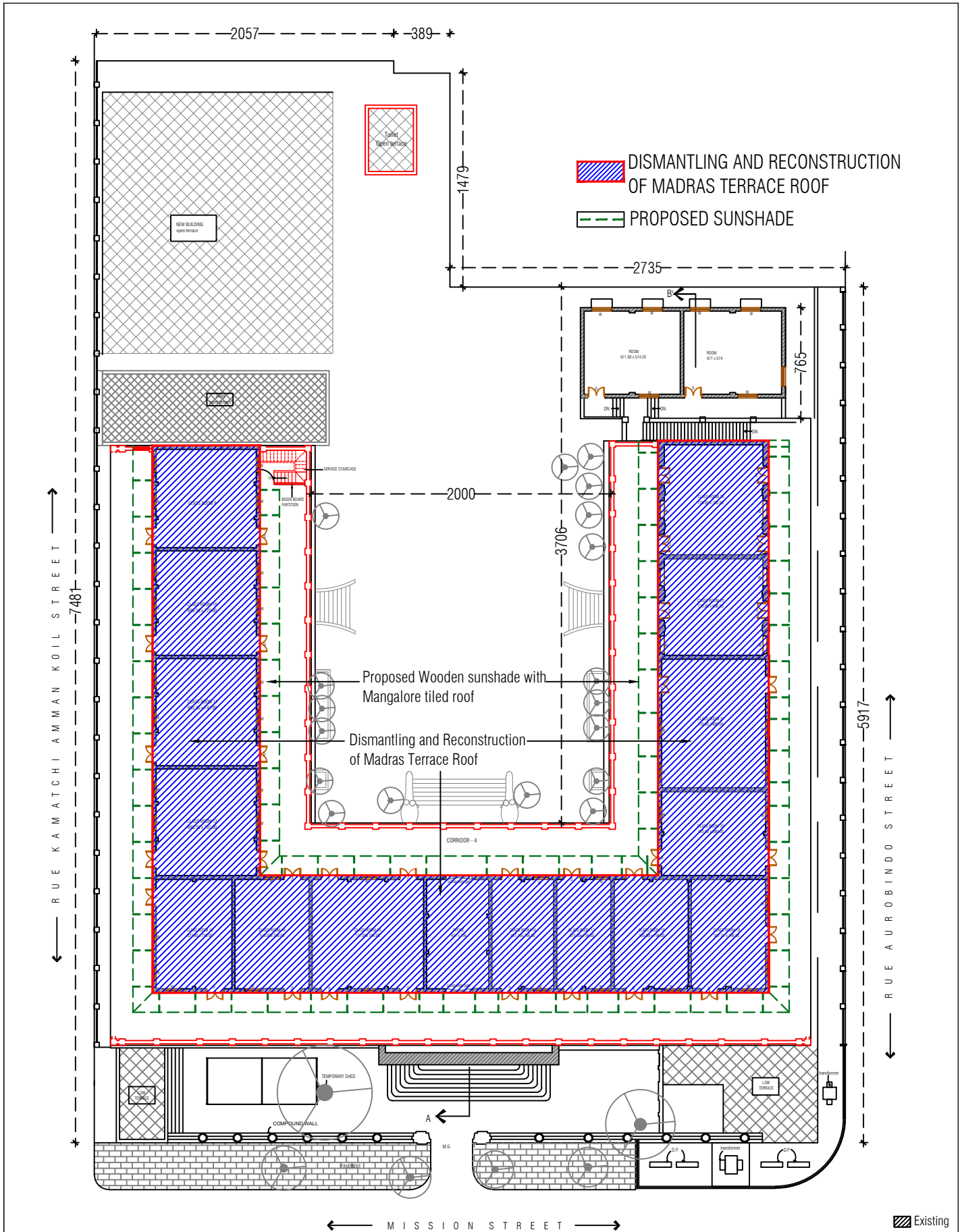
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NORTH

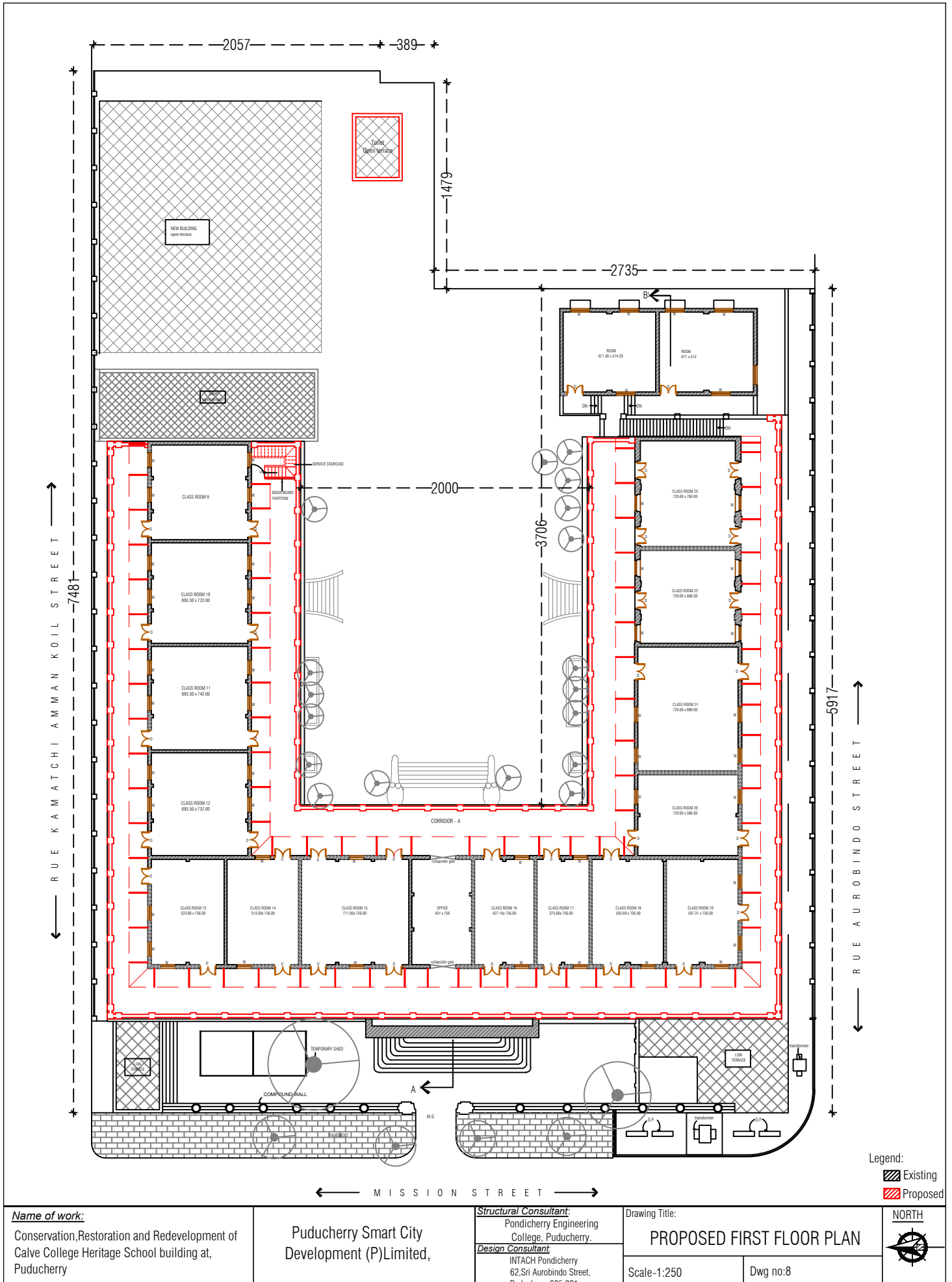




<p>Name of work: Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry</p>	<p>Puducherry Smart City Development (P) Limited,</p>	<p>Structural Consultant: Pondicherry Engineering College, Puducherry. Design Consultant: INTACH Pondicherry 62, Sri Aurobindo Street, Puducherry 605 001.</p>	<p>Drawing Title: EXISTING FIRST FLOOR PLAN</p> <p>Scale-1:250</p> <p>Dwg no:6</p>	<p>NORTH</p>
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<p>Name of work:</p> <p>Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry</p>	<p>Puducherry Smart City Development (P) Limited,</p>	<p>Structural Consultant: Pondicherry Engineering College, Puducherry.</p> <p>Design Consultant: INTACH Pondicherry 62, Sri Aurobindo Street, Puducherry 605 001.</p>	<p>Drawing Title:</p> <p>PROPOSED FIRST FLOOR PLAN</p> <p>Scale-1:250</p> <p>Dwg no:7</p>	<p>NORTH</p> 
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Name of work:

Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry

Puducherry Smart City Development (P)Limited,

Structural Consultant:
Pondicherry Engineering College, Puducherry.
Design Consultant:
INTACH Pondicherry
62, Sri Aurobindo Street,
Puducherry 605 001.

Drawing Title:

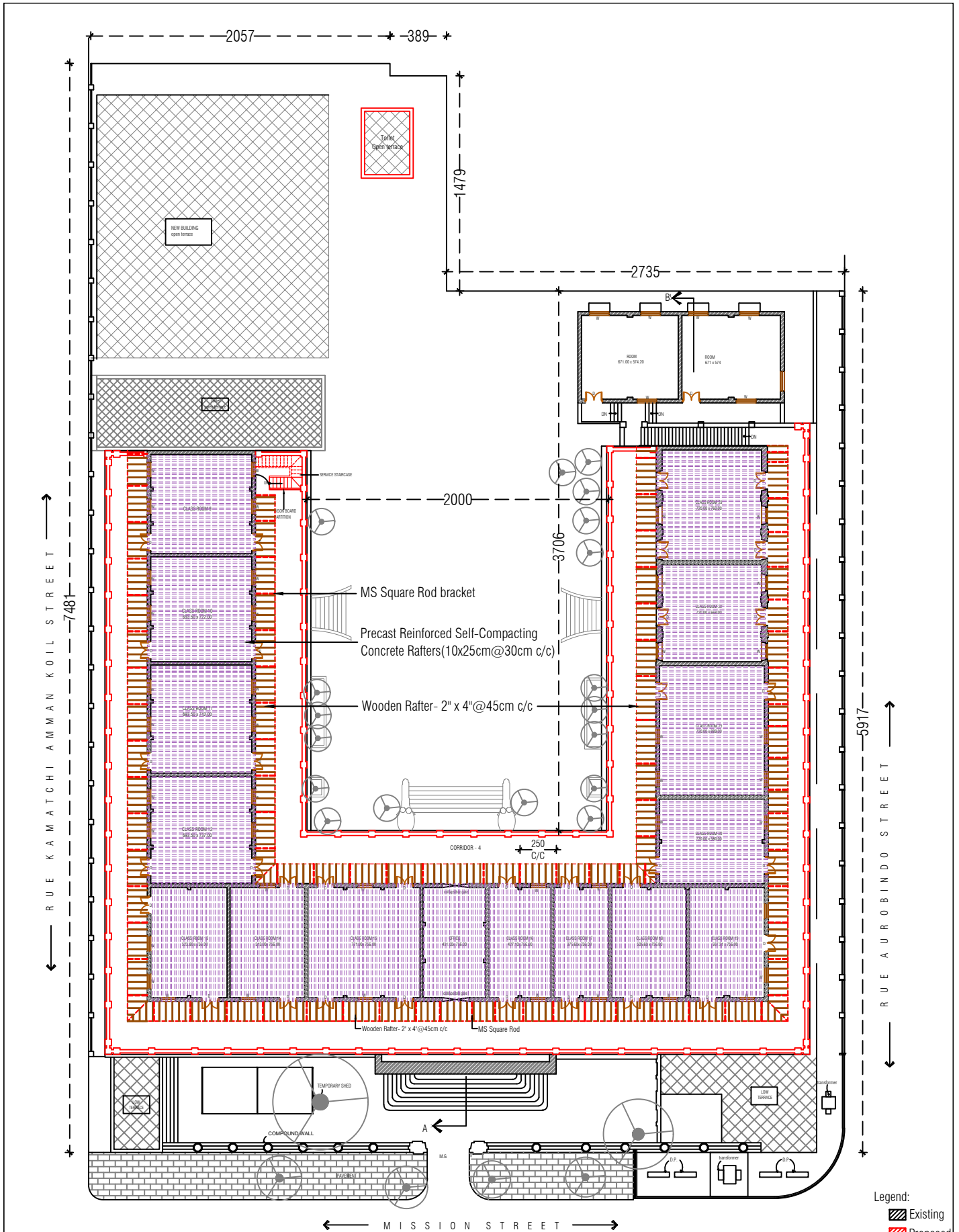
EXISTING FIRST FLOOR RAFTER PLAN


Scale-1:250

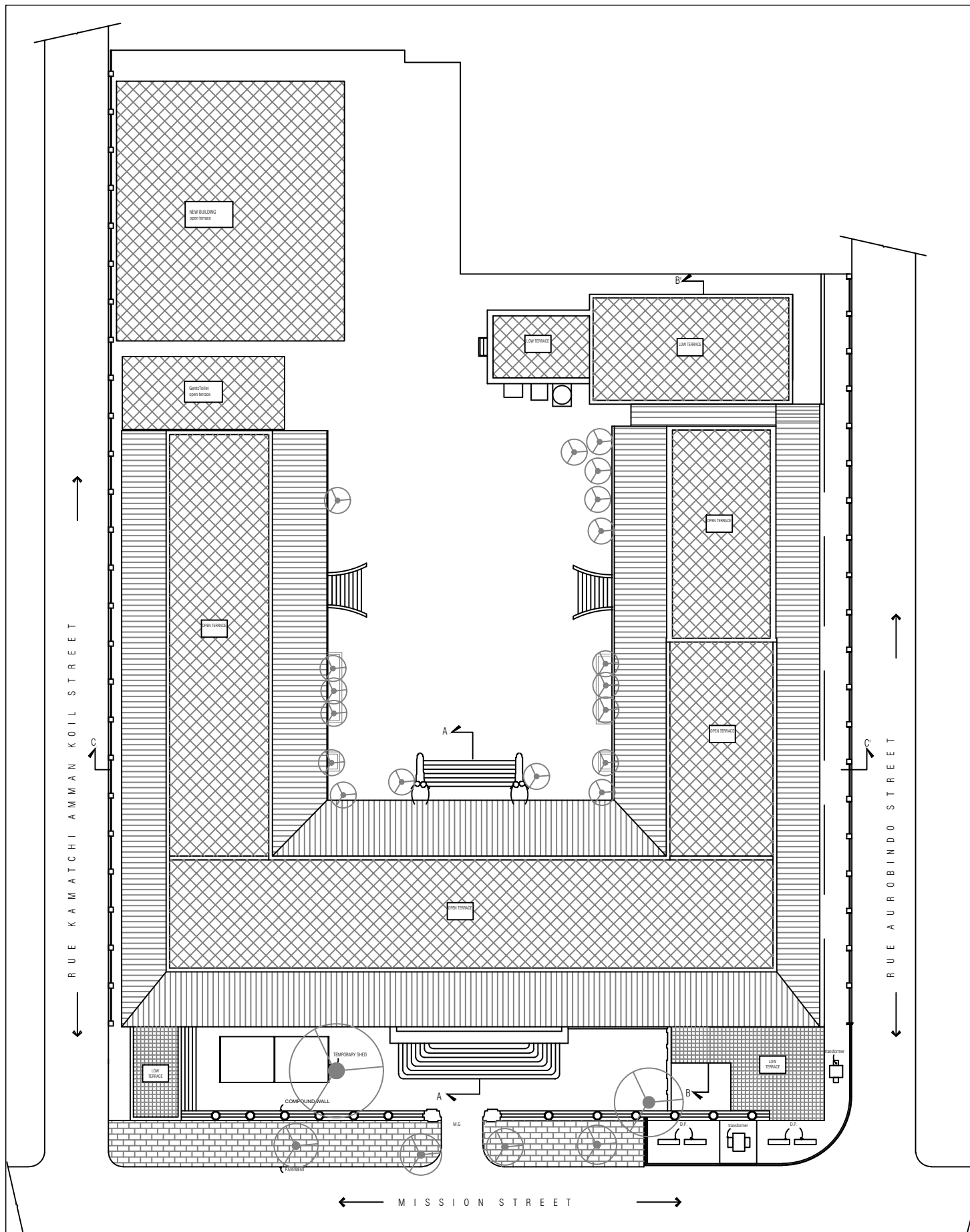
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NORTH





<p>Name of work:</p> <p>Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry</p>	<p>Puducherry Smart City Development (P) Limited,</p>	<p>Structural Consultant: Pondicherry Engineering College, Puducherry.</p> <p>Design Consultant: INTACH Pondicherry 62, Sri Aurobindo Street, Puducherry 605 001.</p>	<p>Drawing Title:</p> <p>PROPOSED FIRST FLOOR RAFTER PLAN</p> <p>Scale-1:250 Dwg no:10</p>	<p>NORTH</p> 
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Name of work:

Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry

Puducherry Smart City Development (P)Limited,

Structural Consultant:

Pondicherry Engineering College, Puducherry.

Design Consultant:

INTACH Pondicherry
62, Sri Aurobindo Street,
Puducherry 605 001.

Drawing Title:

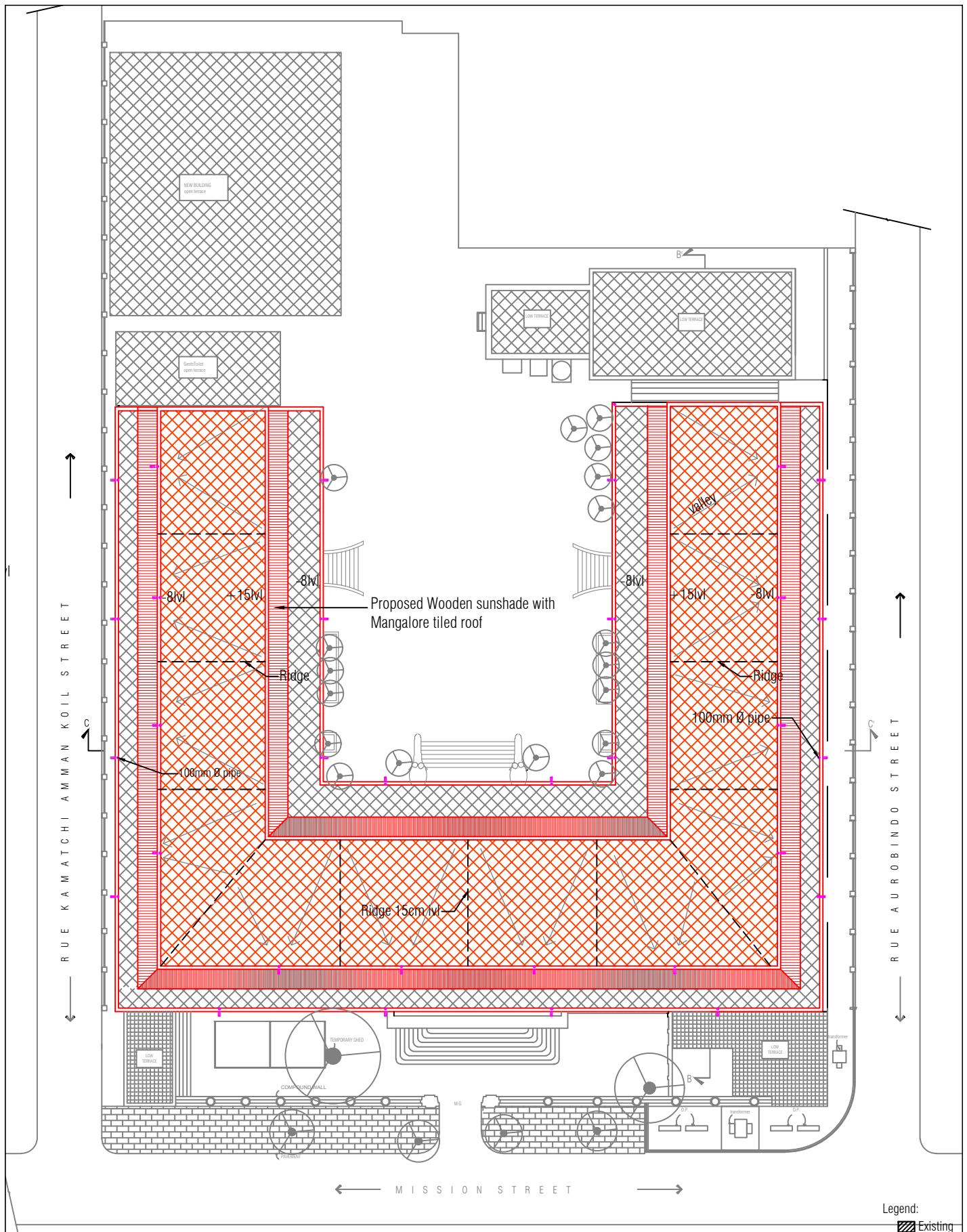
EXISTING TERRACE PLAN

Scale-1:250

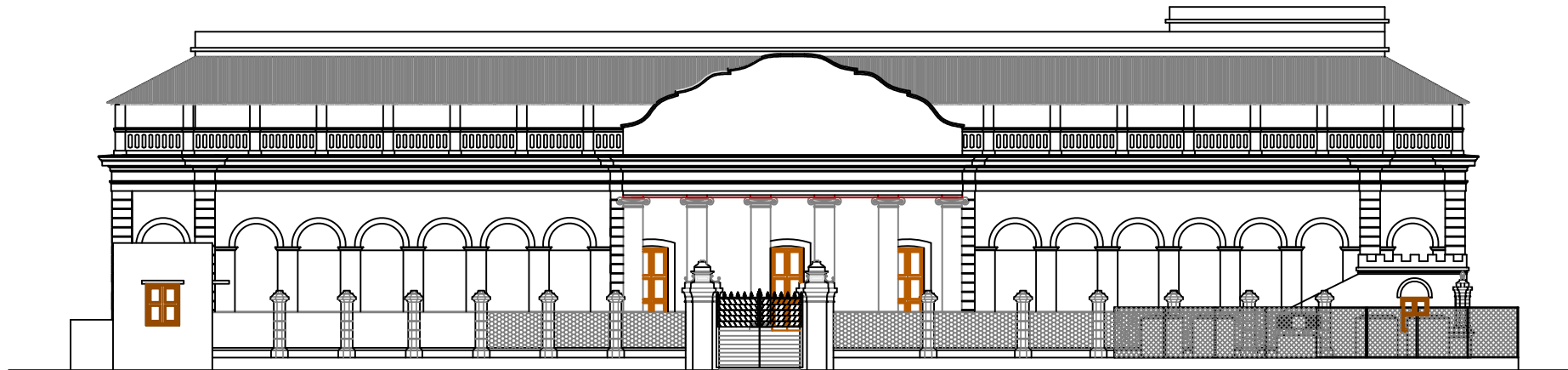
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NORTH

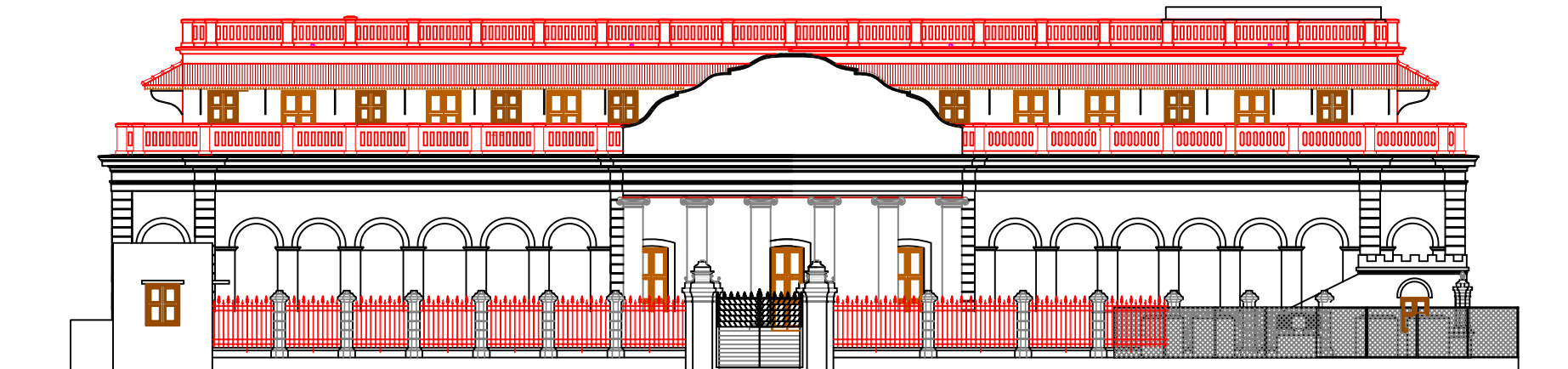






<p>Name of work: Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry</p>	<p>Puducherry Smart City Development (P) Limited,</p>	<p>Structural Consultant: Pondicherry Engineering College, Puducherry. Design Consultant: INTACH Pondicherry 62, Sri Aurobindo Street, Puducherry 605 001.</p>	<p>Drawing Title: PROPOSED TERRACE PLAN Scale: 1:250 Dwg no: 12</p>	<p>Legend: Existing Proposed NORTH</p>
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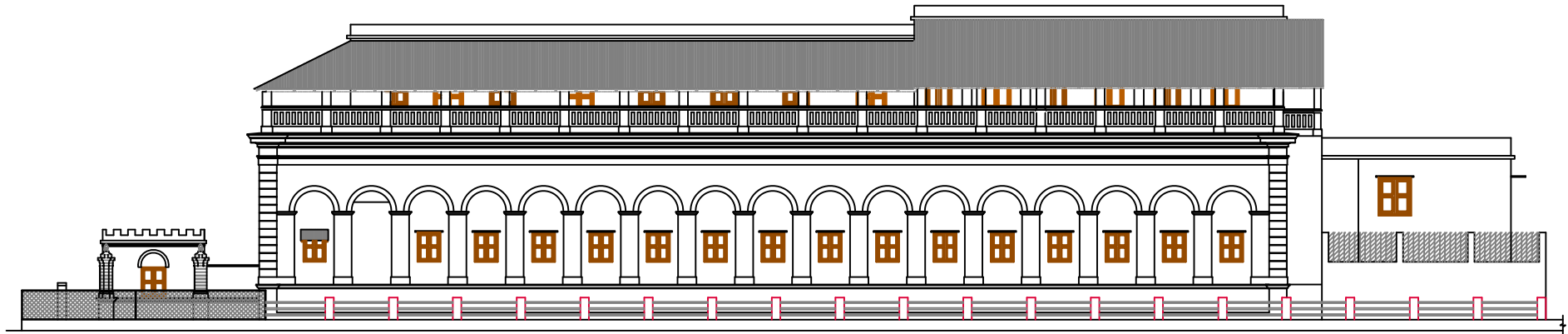
WESTSIDE EXISTING ELEVATION



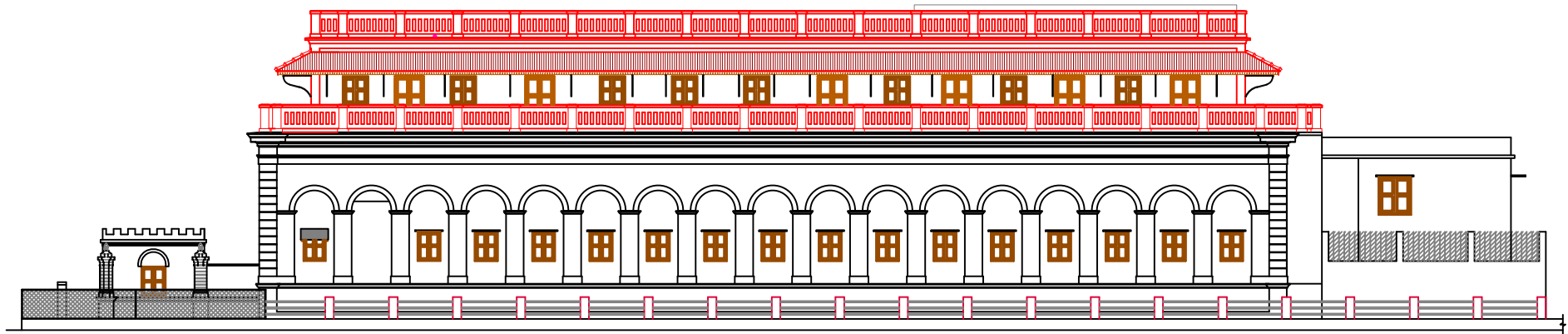
WESTSIDE PROPOSED ELEVATION

Legend:
 Existing
 Proposed



<p>Name of work: Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry</p>	<p>Puducherry Smart City Development (P) Limited,</p>	<p>Structural Consultant: Pondicherry Engineering College, Puducherry. Design Consultant: INTACH Pondicherry 62, Sri Aurobindo Street, Puducherry 605 001.</p>	<p>Drawing Title: EXISTING & PROPOSED ELEVATION</p>	
			<p>Scale-1:150</p>	<p>Dwg no:13</p>



EXISTING SOUTH ELEVATION



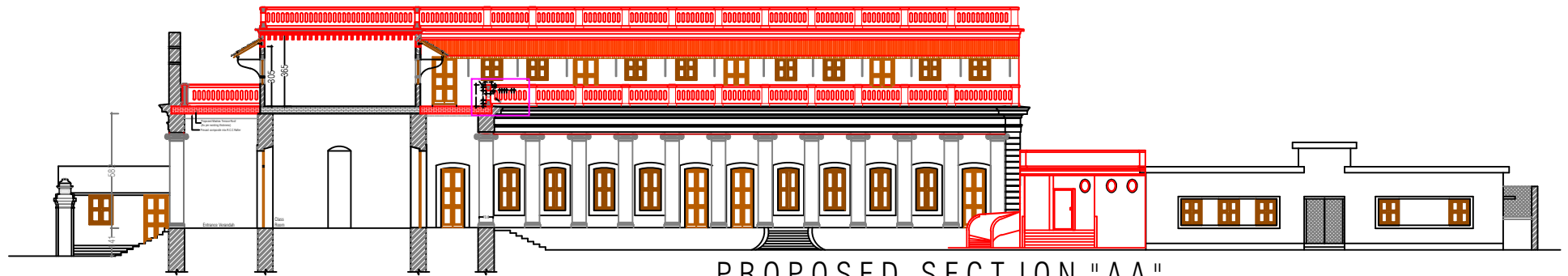
PROPOSED SOUTH ELEVATION

Legend:
 Existing
 Proposed

<p>Name of work: Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry</p>	<p>Puducherry Smart City Development (P) Limited,</p>	<p>Structural Consultant: Pondicherry Engineering College, Puducherry. Design Consultant: INTACH Pondicherry 62, Sri Aurobindo Street, Puducherry 605 001.</p>	<p>Drawing Title: EXISTING & PROPOSED ELEVATION</p>	
			<p>Scale-1:150</p>	<p>Dwg no:14</p>



EXISTING SECTION "A A"



PROPOSED SECTION "AA"

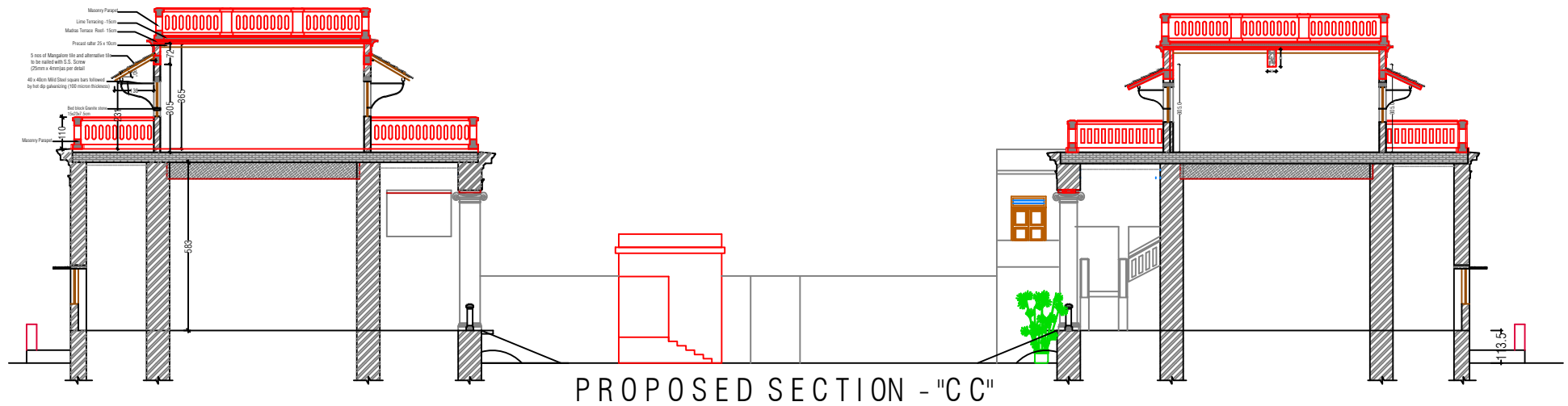
Legend:
 Existing
 Proposed

<p><u>Name of work:</u> Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry</p>	<p>Puducherry Smart City Development (P)Limited,</p>	<p><u>Structural Consultant:</u> Pondicherry Engineering College, Puducherry. <u>Design Consultant:</u> INTACH Pondicherry 62, Sri Aurobindo Street, Puducherry 605 001.</p>	<p>Drawing Title: EXISTING & PROPOSED SECTION</p>	
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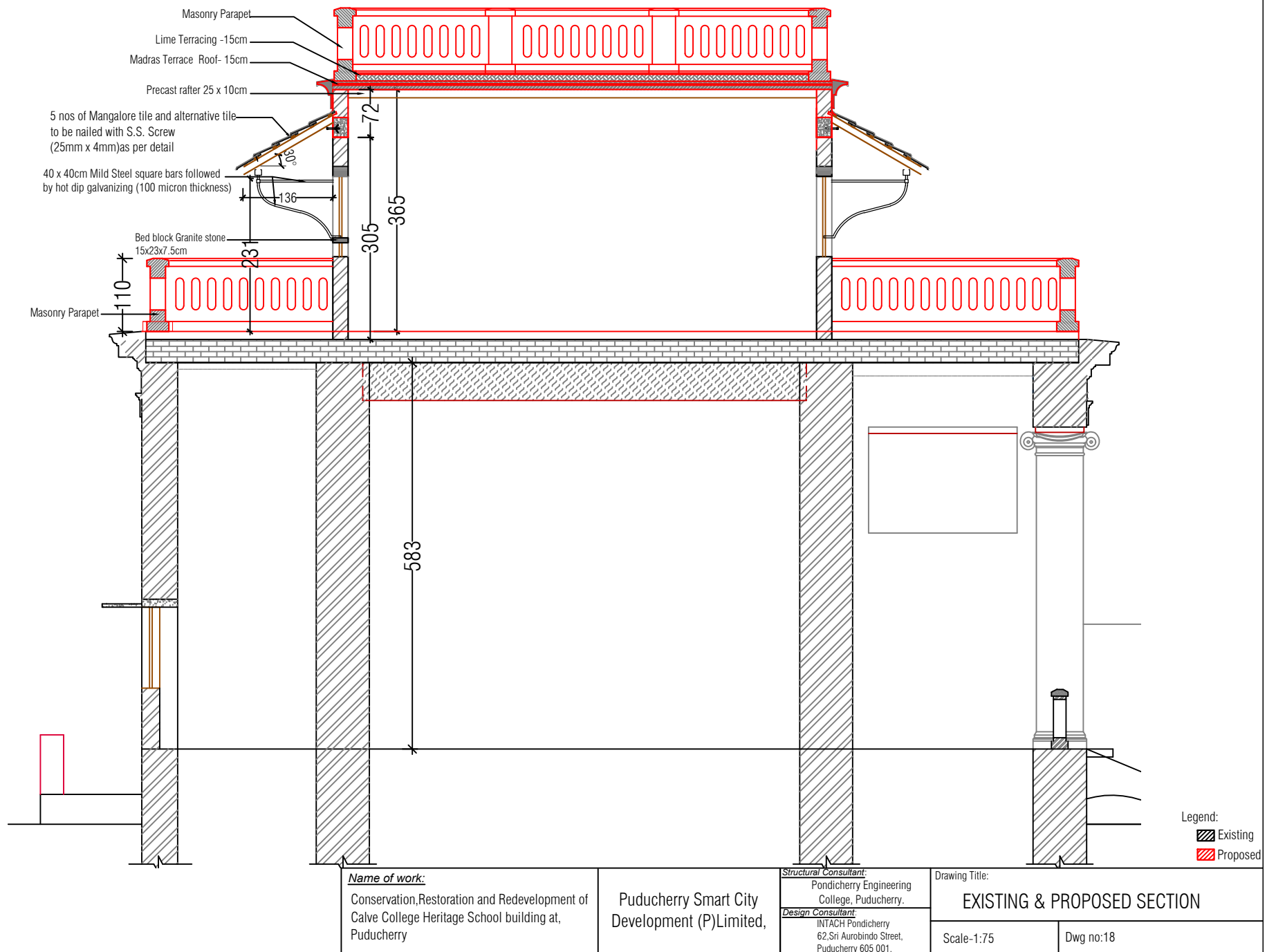
Legend:
 Existing
 Proposed

<p><u>Name of work:</u> Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry</p>	<p>Puducherry Smart City Development (P)Limited,</p>	<p><u>Structural Consultant:</u> Pondicherry Engineering College, Puducherry. <u>Design Consultant:</u> INTACH Pondicherry 62, Sri Aurobindo Street, Puducherry 605 001.</p>	<p>Drawing Title: EXISTING & PROPOSED SECTION</p>	
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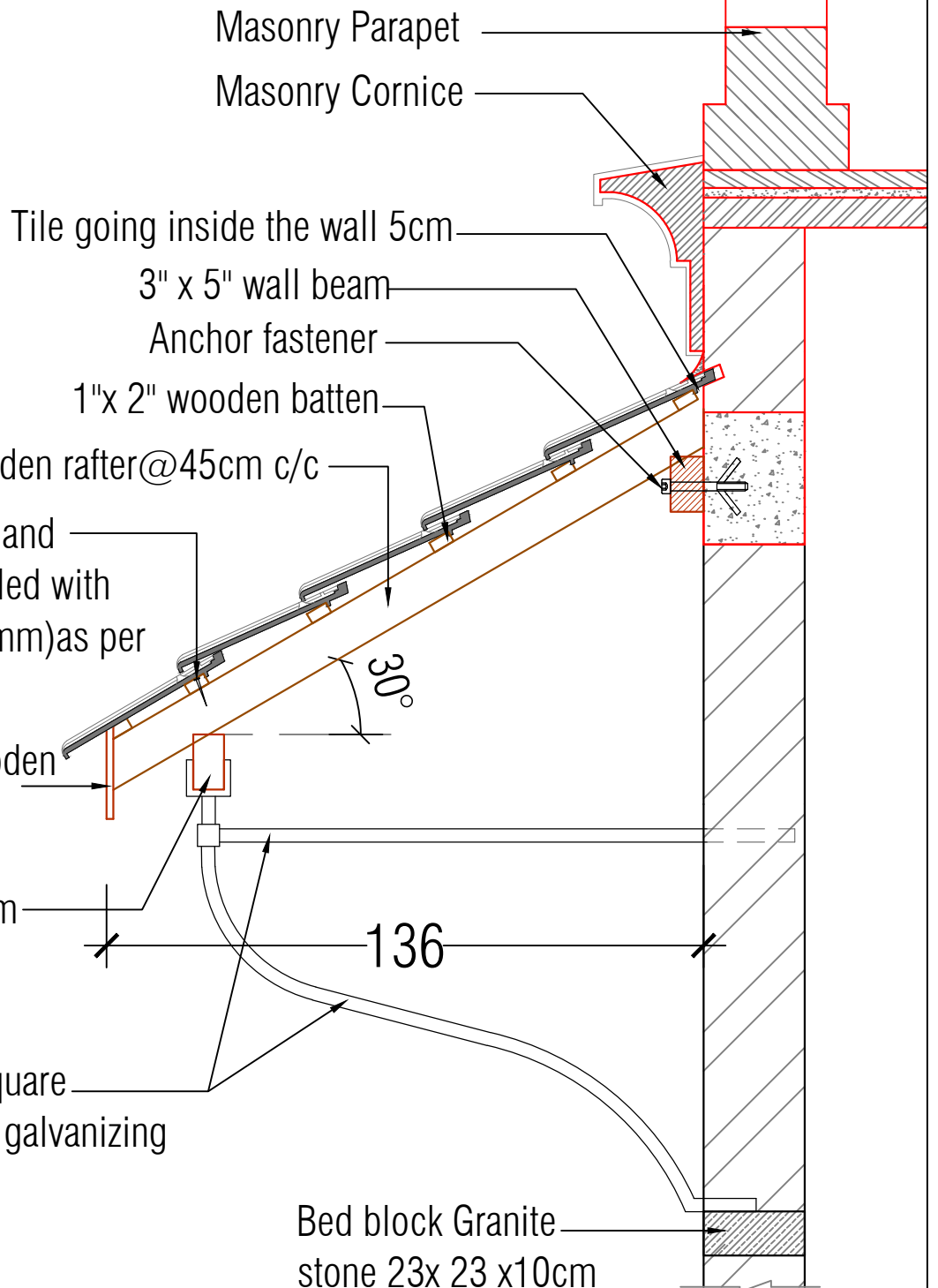
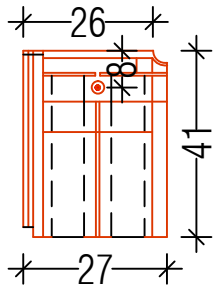


Legend:
 Existing
 Proposed

<p>Name of work: Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry</p>	<p>Puducherry Smart City Development (P)Limited,</p>	<p>Structural Consultant: Pondicherry Engineering College, Puducherry. Design Consultant: INTACH Pondicherry 62, Sri Aurobindo Street, Puducherry 605 001.</p>	<p>Drawing Title: EXISTING & PROPOSED SECTION</p>	
			<p>Scale-1:150</p>	<p>Dwg no:17</p>



Mangalore Tile



Name of work:

Conservation, Restoration and Redevelopment of Calve College Heritage School building at, Puducherry

Puducherry Smart City Development (P) Limited,

Structural Consultant:

Pondicherry Engineering College, Puducherry.

Design Consultant:

INTACH Pondicherry
62, Sri Aurobindo Street,
Puducherry 605 001.

Drawing Title: SUNSHADE DETAIL

Scale-1:15

Dwg no:19



Name of work:

Conservation, Restoration and Redevelopment of
Calve College Heritage School building at,
Puducherry

Puducherry Smart City
Development (P)Limited,

Structural Consultant :

Pondicherry Engineering
College, Puducherry.

Design Consultant:

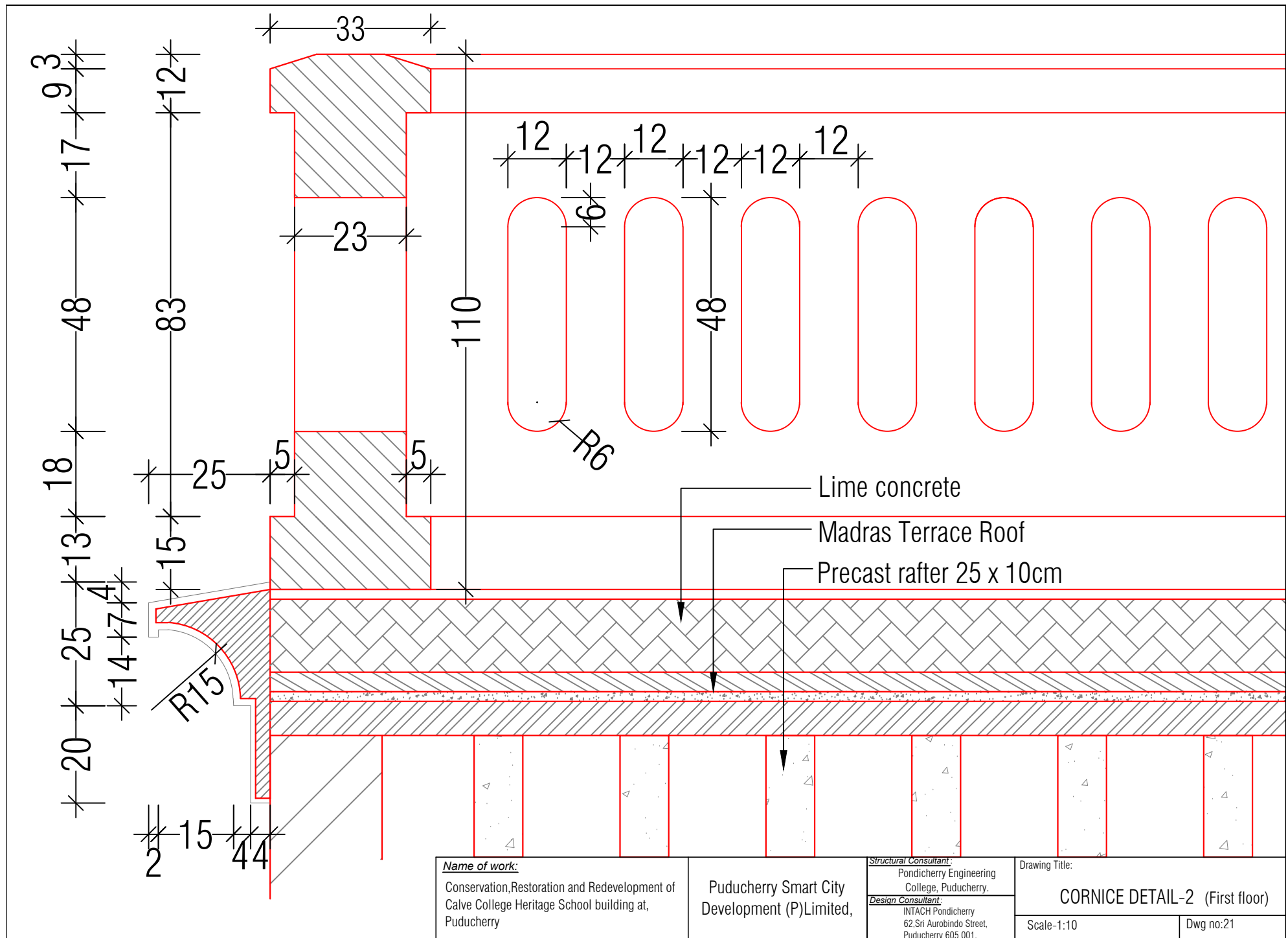
INTACH Pondicherry
62, Sri Aurobindo Street,
Puducherry 605 001.

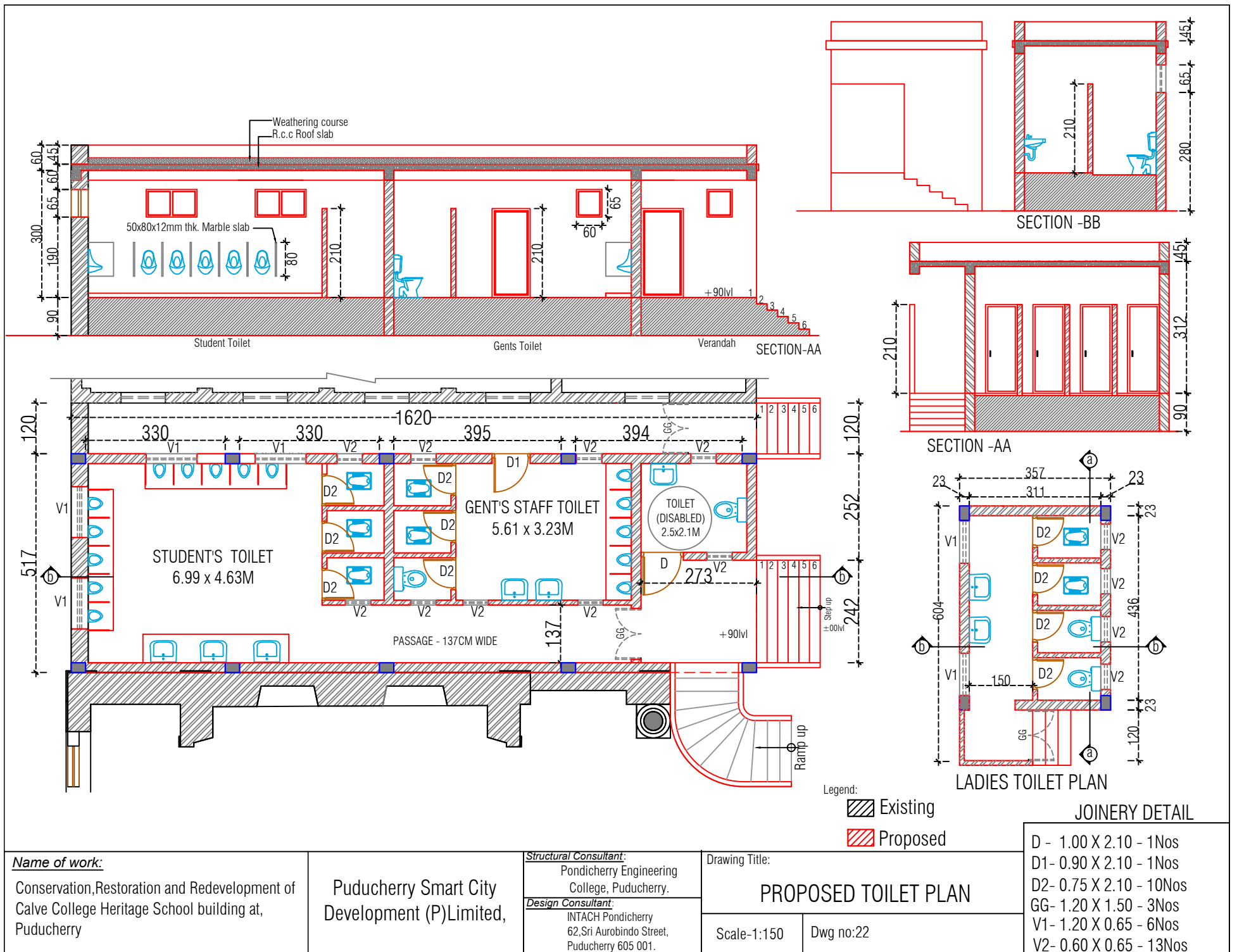
Drawing Title:

CORNICE DETAIL-1 (ground floor)

Scale-1:10

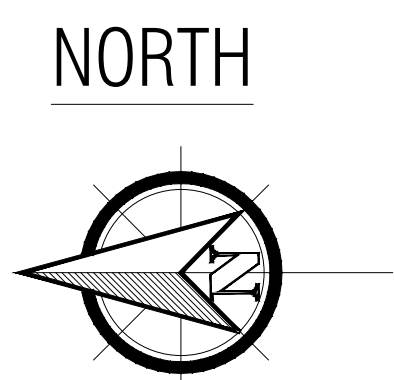
Dwg no:20









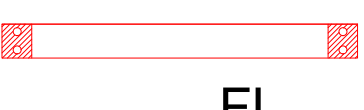


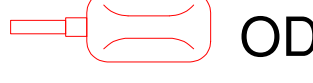
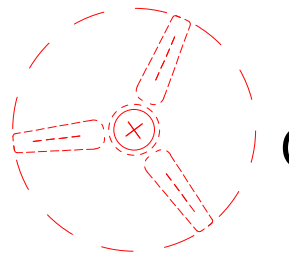
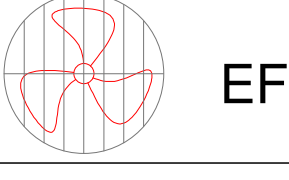




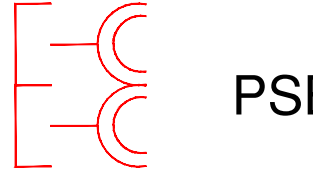





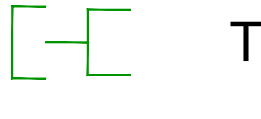

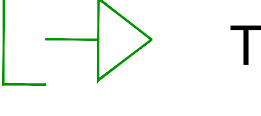

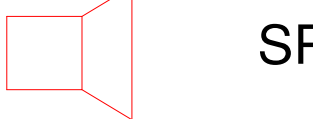


RUE KAMATCHI AMMAN KOIL STREET

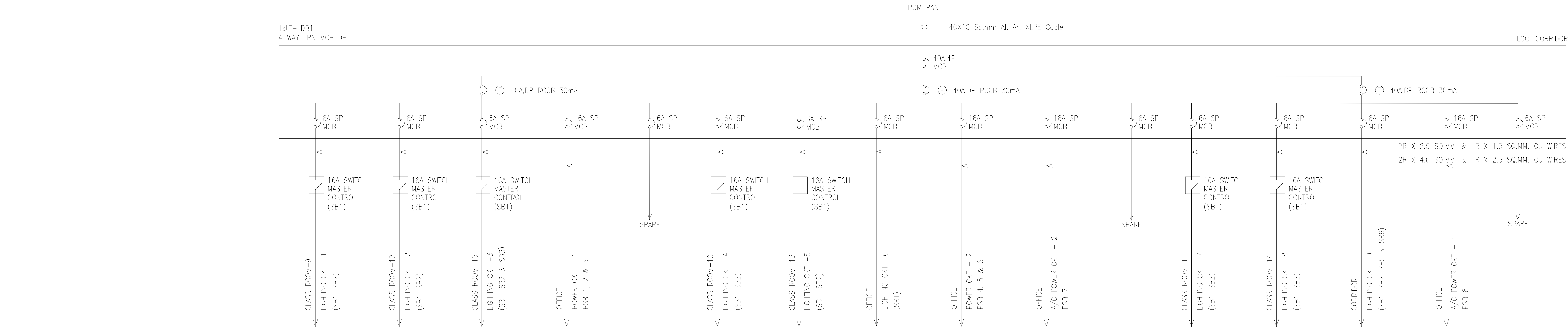
RUE AUROBINDO STREET

MISSION STREET

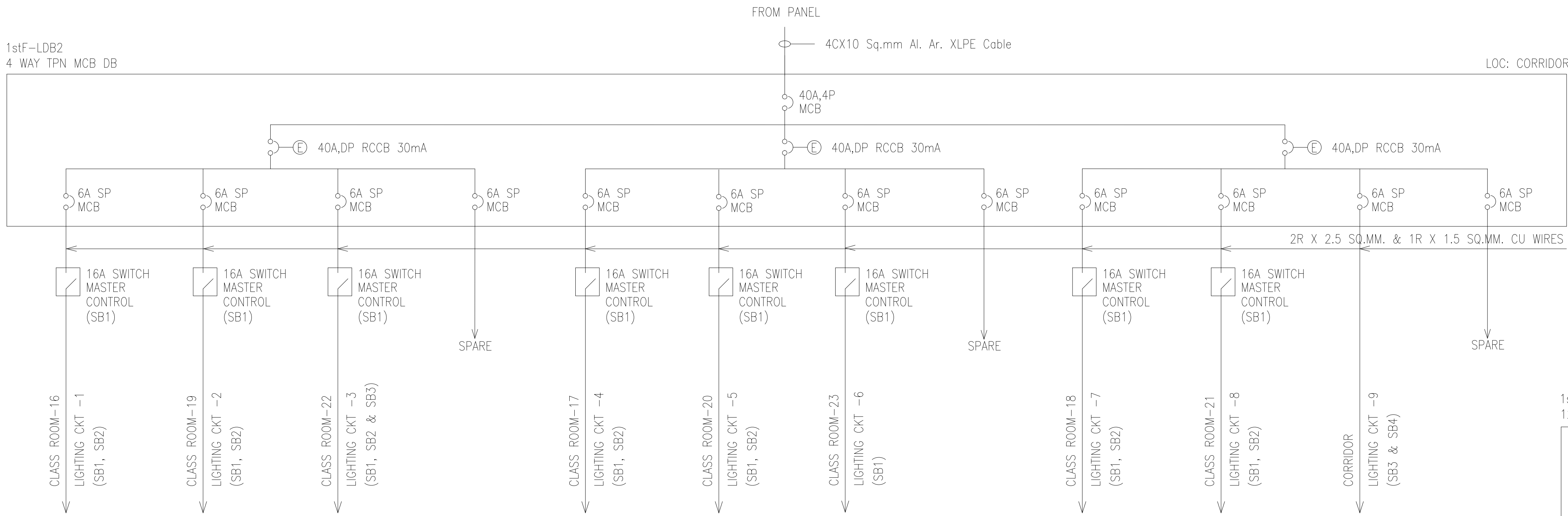
FIRST FLOOR PLAN

LEGEND & SYMBOLS	
SYMBOL	DESCRIPTION
 FL	TUBE LIGHT FITTINGS
 ML	MIRROR LAMP
 WL	WALL LAMP FITTING
 ODL	OUTDOOR LIGHT
 CF	CEILING FAN
 EF	EXHAUST FAN
 SB	SWITCH BOX
 SB	6A SOCKET WITH SWITCH
 SB	6A SOCKET
 SB	6A SOCKET WITH SWITCH
 PSB	16A SOCKET WITH SWITCH
 PSB	16A SOCKET WITH SWITCH
 AC	AC SWITCH
 AC	AC SOCKET
 DB	DISTRIBUTION BOARD
 SPLIT A / C	SPLIT AC
 TP	TELEPHONE SOCKET
 DATA	DATA SOCKET
 TV	TELEVISION SOCKET
 CA	CAMERA
 SP	SPEAKER
TBE - TO BOTTOM EDGE	
CONTROL LINE COLOUR REFERENCE	
--- LIGHT / FAN POINT CONTROL	

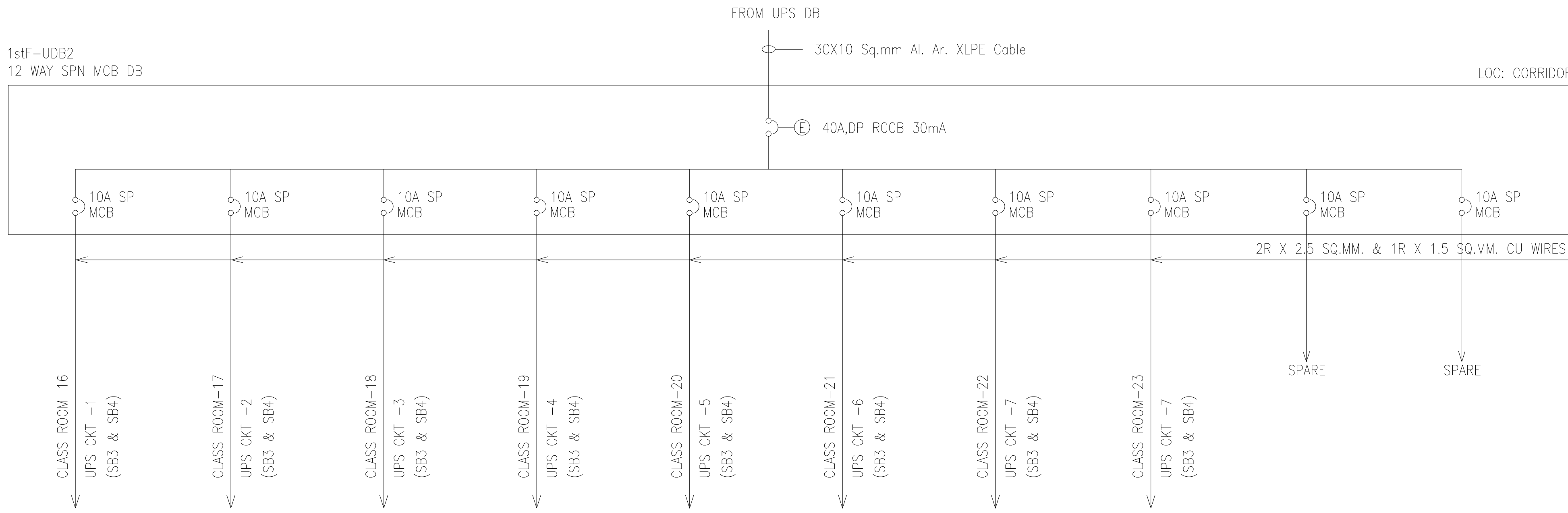
NAME OF WORK	: CONSERVATION, RESTORATION AND REDEVELOPMENT OF CALVE COLLEGE HERITAGE SCHOOL BUILDING AT PUDUCHERRY
CLIENT	: PUDUCHERRY SMART CITY DEVELOPMENT LIMITED
DRAWING TITLE	: ELECTRICAL FITTINGS & CONTROL LAYOUT - FIRST FLOOR
DRAWING NUMBER	: AACPL/CC-EL-003-R0



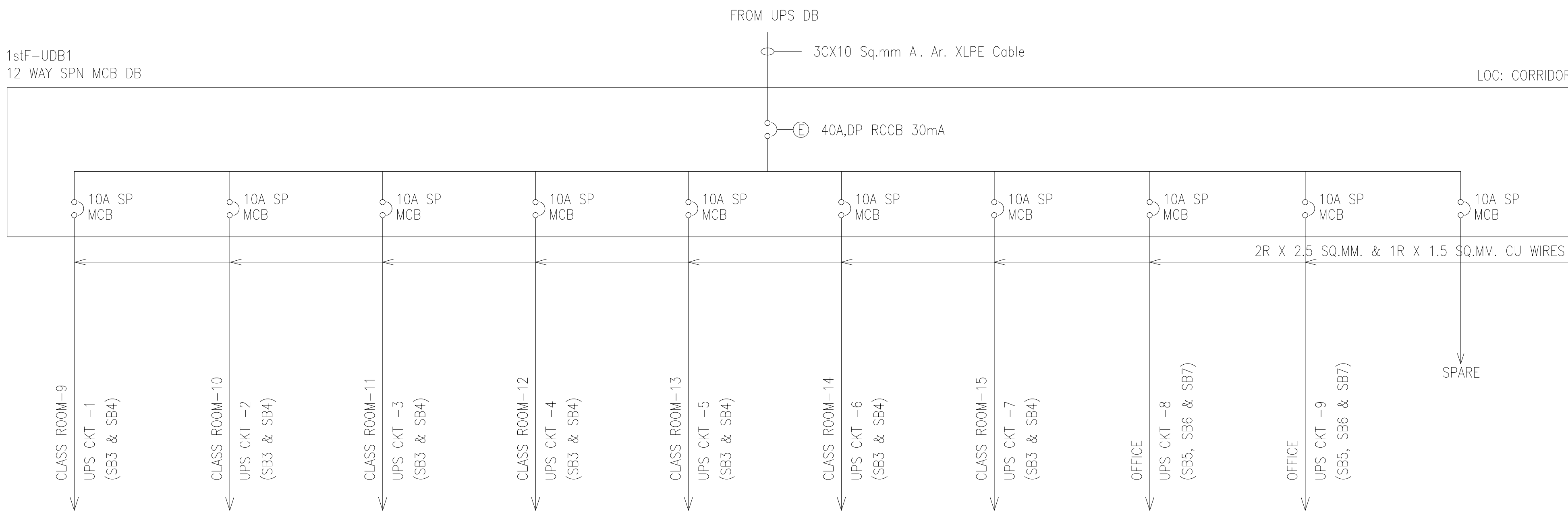
ELECTRICAL SINGLE LINE DIAGRAM - LDB-1



ELECTRICAL SINGLE LINE DIAGRAM - LDB-2

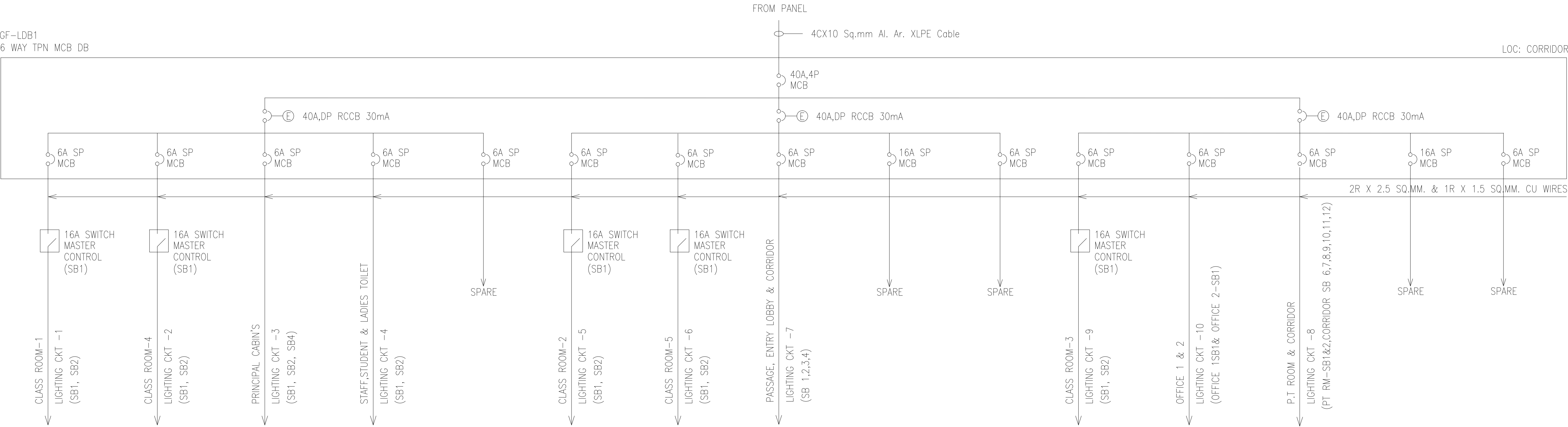


ELECTRICAL SINGLE LINE DIAGRAM - UDB-2

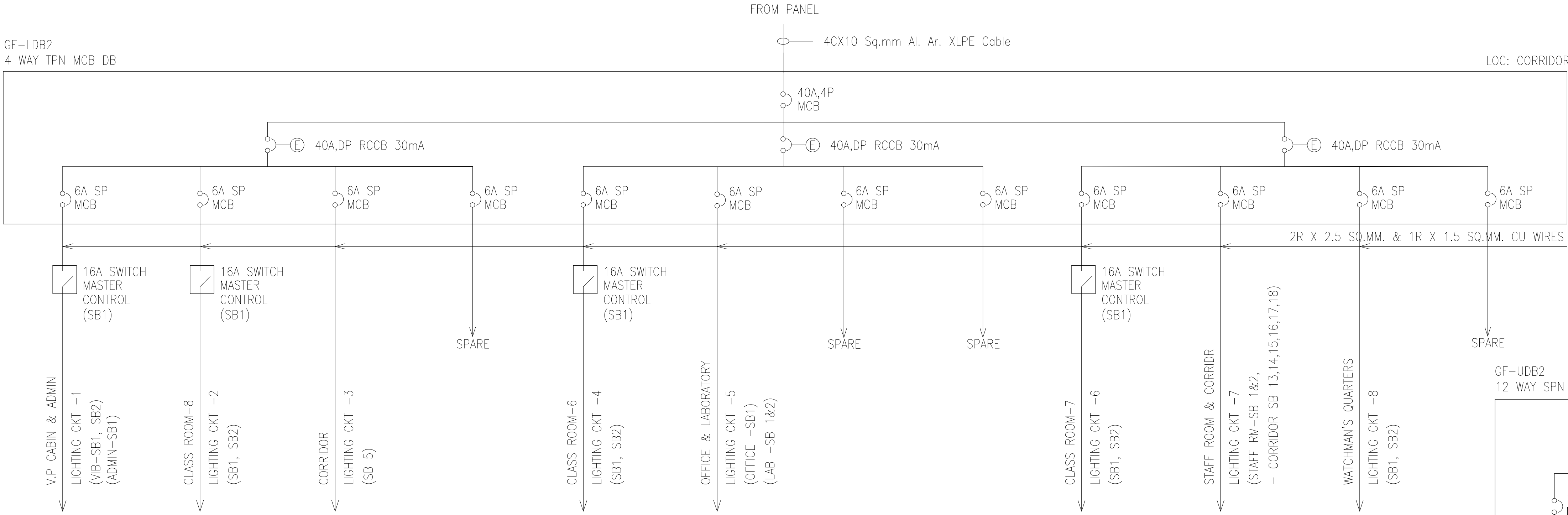


ELECTRICAL SINGLE LINE DIAGRAM - UDB-1

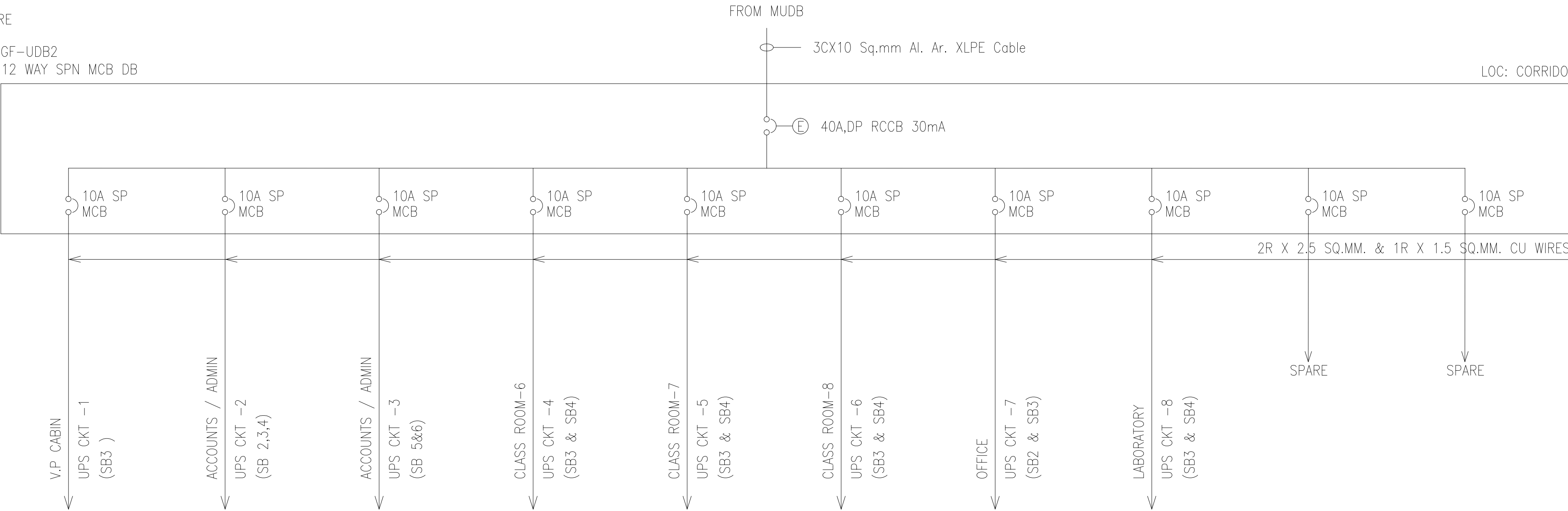
NAME OF WORK	: CONSERVATION, RESTORATION AND REDEVELOPMENT OF CALVE COLLEGE HERITAGE SCHOOL BUILDING AT PUDUCHERRY
CLIENT	: PUDUCHERRY SMART CITY DEVELOPMENT LIMITED
DRAWING TITLE	: ELECTRICAL SINGLE LINE DIAGRAM - FIRST FLOOR
DRAWING NUMBER	: AACPL/CC-EL-004-R0



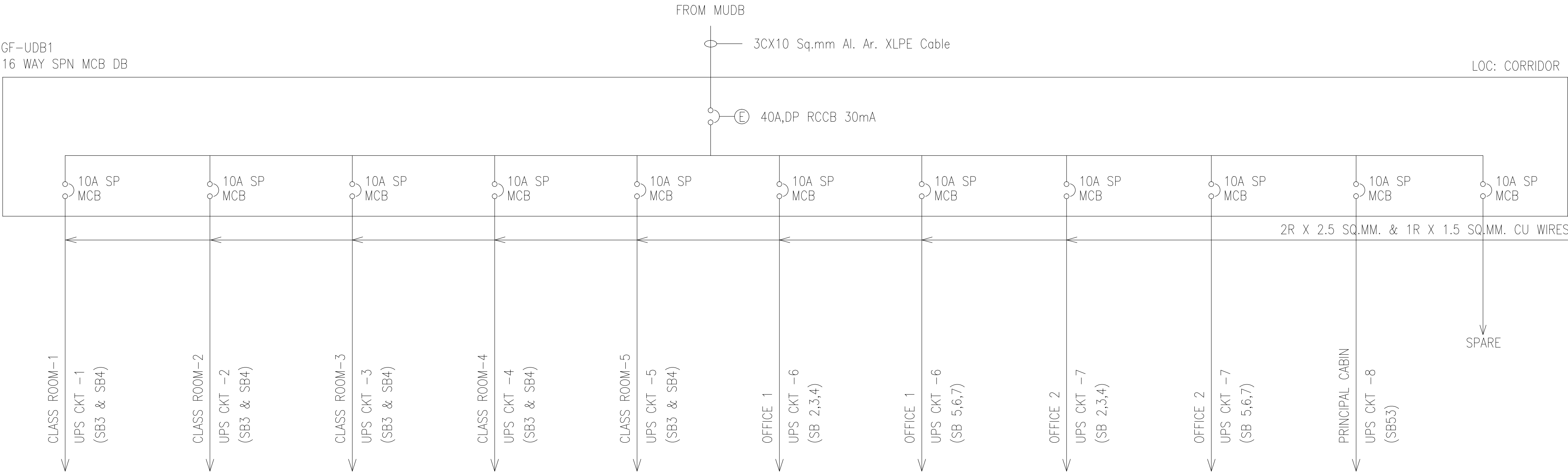
ELECTRICAL SINGLE LINE DIAGRAM - LDB-1



ELECTRICAL SINGLE LINE DIAGRAM - LDB-2



ELECTRICAL SINGLE LINE DIAGRAM - UDB-2



ELECTRICAL SINGLE LINE DIAGRAM - UDB-1

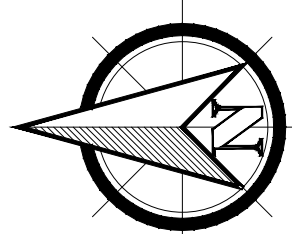
NAME OF WORK : CONSERVATION, RESTORATION AND REDEVELOPMENT OF CALVE COLLEGE HERITAGE SCHOOL BUILDING AT PUDUCHERRY

CLIENT : PUDUCHERRY SMART CITY DEVELOPMENT LIMITED

DRAWING TITLE : ELECTRICAL SINGLE LINE DIAGRAM - GROUND FLOOR

DRAWING NUMBER : AACPL/CC-EL-002-R0

NORTH



PRIVATE BUILDING

PRIVATE BUILDING

RAIN WATER SLOPE

RUE KAMATCHI AMMAN KOIL STREET

RUE AUROBINDO STREET

MISSION STREET

GROUND FLOOR PLAN

LEGEND & SYMBOLS	
SYMBOL	DESCRIPTION
	TUBE LIGHT FITTINGS
	MIRROR LAMP
	WALL LAMP FITTING
	OUTDOOR LIGHT
	CEILING FAN
	EXHAUST FAN
	SWITCH BOX
	6A SOCKET WITH SWITCH
	6A SOCKET
	6A SOCKET WITH SWITCH
	16A SOCKET WITH SWITCH
	16A SOCKET WITH SWITCH
	AC SWITCH
	AC SOCKET
	DISTRIBUTION BOARD
	SPLIT AC
	TELEPHONE SOCKET
	DATA SOCKET
	TELEVISION SOCKET
	CAMERA
	SPEAKER
TBE - TO BOTTOM EDGE	
CONTROL LINE COLOUR REFERENCE	
LIGHT / FAN POINT CONTROL	

NAME OF WORK : CONSERVATION, RESTORATION AND REDEVELOPMENT OF CALVE COLLEGE HERITAGE SCHOOL BUILDING AT PUDUCHERRY

CLIENT : PUDUCHERRY SMART CITY DEVELOPMENT LIMITED

DRAWING TITLE : ELECTRICAL FITTINGS & CONTROL LAYOUT - GROUND FLOOR

DRAWING NUMBER : AACPL/CC-EL-001-R0