

**OFFICE OF THE SUPERINTENDING ENGINEER
CENTRALCIRCLE
MUNICIPAL ENGINEERING DIRECTORATE
GOVERNMENT OF WEST BENGAL**
“MUNICIPAL COMMERCIAL COMPLEX”, 2ND FLOOR, N. S. ROAD, MALDA - 732101
Phone – (03512) 223702, e-mail: medsecentral@yahoo.in

Memo. No. ME/SE(CC)/298/S-41/2019

Dated: 18-01-2022

Notice Inviting e-Tender: No 3/NULM/SE(CC)/2021-2022

of The Superintending Engineer, Central Circle, Municipal Engineering Directorate, Government of West Bengal.

The Superintending Engineer Central Circle, Municipal Engineering Directorate, Government of West Bengal invites e-tender for the work detailed in the table below (Submission of Bid through **online**):

List of Schemes:

Sl. No	Name of the work	Estimated Amount	Earnest Money	Price of Technical & Financial Bid documents and other annexures and W.B. Form No. 2911(ii)	Period of Completion	Name of the Concerned Division	Eligibility of Contractor	Defect Liability Period
1	Construction of Three Storied Shelter for Urban Homeless Under National Urban Livelihood Mission within Kandi Municipality	Rs. 1,95,03,496.00 [Civil = Rs. 1,84,92,536.00 Electrical = Rs.10,10,960.00]	Rs. 3,90650.00 <i>(Details of which has been narrated in "Instruction to Bidders")</i>	Rs. 5000.00 (see note below)	12 months from the date of received of work order.	Murshidabad Division, M.E. Dte., Govt. of W.B.	Bonafide Eligible contractor through pre-qualification.	05 (five) year(s).

NB: - (i) Intending Tenderer will not have to pay the cost of tender documents for the purpose of participating in e-tendering, but the successful L1(Lowest) Bidder will have to pay the cost of tender documents of 5 (five) sets @ price mentioned in the list of scheme of NIEt during purchase of tender documents for execution of agreement as per notification no. 199-CRC/2M-10/2012 dated 21/12/2012 of the Secretary, Public Works Department, CRC Branch, Government of West Bengal. In case of any contractor (L1) expressed his / her willingness to have extra copy of the standard contract forms, only one spare copy of standard contract form may on payment of prescribed price be supplied to a contractor or firm of contactors, eligible to tender in a specific work on receipt of written requisition well in advance for the same. In case of the works in the open tenders an earnest money amounting to 2% (two percent) of the estimated value of work for which tender has been called for, shall have to be deposited by all intending tenderers. In any case Fixed Permanent Security Deposit will not be entertained as an earnest money.

(ii) Enlistment of Contractors has been abolished as per Govt. order no. 1177-F(Y) dated 28/02/2014.

(iii) Payment to the contractor for the work shall be made through the State Mission Director, DAY-NULM and Director, SUDA, West Bengal. Nodal Engineer-in-Charge (Executive Engineer Civil of the Murshidabad Division, MED) of the work will submit the 'passed for payment' Bill to the State Mission Director, DAY-NULM and Director, SUDA, West Bengal

1. In the event of e-Filling, intending bidder may download the tender document from the website <https://wbtenders.gov.in> directly with the help of Digital Signature Certificate. EMD has to be deposited by the bidder through the following payment mode as per memorandum of the Finance Department vide No. 3975-F(Y) dated 28th July, 2016 read with Finance Department vide No. 5688-F(Y) dt.03.11.2016.

1.1. Net banking (any of the banks listed in the ICICI Bank Payment gateway) in case of payment through ICICI bank payment gateway.

1.2. RTGS/NEFT in case of offline payment through bank account in any bank.

(Details of which has been narrated in "Instruction to Bidders").

Modalities regarding receiving performance Bank Guarantee will be as detailed in Finance Department memorandum No. 2691-E(Y) dt.02.05.2017.

Tender document may be download from website & submission of Technical Bid / Financial Bid as per Tender time schedule stated in "Date & Time Schedule".

The documents submitted by the bidders should be indexed and also should be according to his / their Firm name.

1.1.A bidder desirous of taking part in a tender shall login to the e-Procurement Portal of the Government of West Bengal <https://wbtenders.gov.in> using his login ID and Password and thereafter may download the tender document consisting of this N.I.T., Instruction to Bidders (Section - A), different Forms & Affidavits (Section - B), Special Terms & Conditions (Section-C), Specification of Work (Section - D), Additional Terms & Conditions and specification for Electrical works (Section -E)& Schedule of Works (BOQ), W.B. Form No. 2911(ii) and Addenda & Corrigenda *(if any)* from the website directly with the help of Digital Signature Certificate.

1. **Earnest Money:** An earnest money amounting to 2 %(two percent) of the estimated value of work for which tender has been called for, shall have to be deposited by all intending tenderers. In any case Fixed Permanent Security Deposit will not be entertained as an earnest money.

As per G.O. No. 3975-F(Y) dated 28.07.2016 of the Secretary, Audit Branch, Finance Department a bidder should initiate payment of pre-defined EMD for the tender by selecting from either of the following payments modes :

2. The amount of pre-defined Earnest Money is to be submitted online in the following payments modes:

2.1. Net banking (any of the banks listed in the ICICI Bank Payment gateway) in case of payment through ICICI bank payment gateway.

2.2. RTGS/NEFT in case of offline payment through bank account in any bank.

(Details of which has been narrated in "Instruction to Bidders").

3. **Eligibility criteria for participation in tender:**

3.1. **Requirement of Credentials:(Credential criteria should satisfy both Civil & Electrical part separately)**

3.1.1 For 1st call of NIT:

3.1.1.1. Intending tenderer should produce credentials of a similar nature of Completed at least one work of the minimum value of 40% (*forty percent*) of the estimated amount during 5 (*five*) years prior to the date of issue of the tender notice; or,

3.1.1.2. Intending tenderer should produce credentials of 2 (*two*) similar nature

of completed work, each of the minimum value of 30% (*thirty percent*) of the estimated amount during 5 (*five*) years prior to the date of issue of the tender notice; or,

- 3.1.1.3. Intending tenderer should produce credentials of one single running work of similar nature which has been completed to the extent of 80% (*eighty percent*) or more and value of which is not less than the desired value at (3.1.1.1.) above;

In case of running works, only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate it should be clearly stated that the work is in progress satisfactorily and also that no penal action has been initiated against the executed agency, i.e., the tenderer.

3.1.2 Annual Turn Over – Average Rs.100.00 lakhs in last five financial year

3.1.3 Bank solvency Certificate: Minimum Rs.40.00 lakhs

3.2. Other terms and conditions of the credentials:

3.2.1. Payment certificate will not be treated as credential;

3.2.2. Credential certificate issued by the Executive Engineer or equivalent or competent authority of a State / Central Government, State / Central Government undertaking, Statutory / Autonomous bodies constituted under the Central / State statute, on the executed value of completed / running work will be taken as credential.

No credential will be considered as valid unless it is supported by work order, price schedule or BOQ of work and completion certificate mentioning the date of completion issued by the competent authority not below the rank of Executive Engineer or equivalent or competent authority of a State / Central Government, State / Central Government undertakings, Statutory / Autonomous bodies constituted under the Central / State Statute. The completion certificate should indicate the value of the work (equal to booked expenditure).

N.B. The credential certificate for completed works should contain (a) Name of work (b) Estimated Amount(c) Tendered amount, (d) Value of executed work (e)Date of Completion of project along with telephone number & detail address for communication of client must be indicated in the Credential Certificate.*[Non Statutory Documents]*

3.2.3. The prospective bidders will have in their full time engagement experienced technical personnel, the minimum being one Civil Engineering Degree holder, one Civil Engineering Diploma holder.

(Authenticated documents in respect of qualification and engagement for this work will have to be furnished for Technical Evaluation);

[Non Statutory Documents]

3.2.4. PAN Card, Valid Professional Tax Deposit Challan, Valid Trade Licence, valid 15-digit Goods and Service Tax payer Identification Number (GSTIN) under GST Act. 2017 with relevant document(s) and any other(s) if applicable to be accompanied with the Technical Bid document.

[Non Statutory Documents]

3.2.5. The prospective bidders or any of their constituent partner(s) should not have abandoned more than one work. Not more than one of their contracts should have been rescinded during the last 3 (*three*) years from the date of publishing of this NIEt. Such abandonment or rescission will be considered as disqualification towards eligibility (a declaration in this respect through Affidavit will have to be furnished by the prospective bidders without which the technical bid will be treated as non-responsive. Neither prospective bidder nor any of constituent partner(s) should have been debarred to participate in tender(s) by the any Department, Government of West Bengal during the last 2 (*two*) years prior to the date of this NIEt. Such debarment will be considered as disqualification towards eligibility. (A declaration in this respect has to be furnished by the prospective bidders as per prescribed format without which the Technical Bid shall be treated non-responsive).

3.2.6. The Bidder's Net Worth for the last year calculated on the basis of capital, profit and free reserve available to the firm should be positive.

3.2.7. In case of Proprietorship and Partnership Firms and Company the Tax Audited Report in 3CD Form to be furnished along with Balance Sheet and Profit and Loss Account and all schedules forming the part of Balance Sheet and Profit & Loss Account. Tax Audited Report, Balance Sheet and Profit & Loss Account including all schedules forming the part of Balance Sheet and Profit & Loss Account should be in favour of applicant.

[Non Statutory Documents]

3.2.8. Registered Unemployed Engineers' Co-operative Societies / Unemployed Labour Co-operative Societies are required to furnish valid Bye Law, Current Audit Report, Certificate of Registration and Valid Clearance Certificate from A.R.C.S. for the year 2016/2017 Professional Tax Deposit Challan for the Financial Year 2017-2018, PAN Card, Valid 15-digit Goods & Service Tax Payer Identification Number (GSTIN) under GST Act, 2017 with relevant document with up-to-date return along with other relevant supporting papers.

[Non Statutory Documents]

3.2.9 Joint Ventures will not be allowed .

3.2.10. As per memorandum no. 311-W(c)/1M-132/15 dated.28.03.2018 of PWD, for building works worth value less than Rs. 25 crore & which are predominantly Civil work in nature with electrical components less than 25% of the estimated amount put to tender, the Civil contractor is allowed to submit an agreement in non-judicial stamp paper of requisite value with an electrical contractor for execution of the electrical components of the work. In that case the electrical contractor will have to qualify for all requirements set forth in the NIEt for electrical works including credential, electrical supervisor's certificate of competency (SCC) etc. The Civil contractor will have to qualify for all requirements set forth in the NIEt including requisite credential for Civil component of such works but excluding credential and SCC requirements for electrical works. However the onus and full responsibility of execution of the total work (Civil & Electrical) will be on the civil contractor who will execute the agreement with the Department. Payment will also be made to the civil contractor only.

3.2.11. A prospective bidder shall be allowed to participate in the particular Job either in the capacity of individual or as a partner of a firm. If found to have applied severally for a single job, all his applications will be rejected for that job, without assigning any reason thereof.

3.2.12. A partnership firm will have to furnish the registered partnership deed and a company will have to furnish the Article of Association and Memorandum.

[Non Statutory Documents]

Where an individual person hold a digital certificate in his / her own name duly issued to him / her against the company or the firm of which he / she happens to be a director or partner, such individual person shall, while uploading any tender for and on behalf of such company or firm, invariably upload a copy of registered power of attorney showing clear authorization in his / her favour, by the rest of the directors of such company or the partner of such firm, to upload such tender. The power of attorney shall have to be registered in accordance with the provision of the Registration Act.1908 as per G.O. no. 61/SPW/12 dated 08/06/2012.

3.2.13. Partnership Firm, Company Limited Firm, Private Company Limited Firm shall be registered by the respective competent authority from the Registrar of Firms, Society, Non-Trading Corporation, Registrar of Companies etc. & copy of Registration Certificate (with allotment of Registration No.) will have be submitted, otherwise the Technical Bid will not be considered for qualification & Financial Bid shall not be opened.

4. The successful bidder will have to establish field testing laboratory equipped with requisite instruments in conformity with relevant code of practice and technical staff according to the requirements of works to be executed. The executing agency will have to produce satisfactory test report of all the materials of the work as well as on samples collection jointly by him and concerned authority of the Engineer-in-Charge from all completed / ongoing items of works as per relevant codes of practice at his own cost from any Govt. approved / Govt. testing laboratory during execution of works.
5. The executing agency (successful bidder) may not get a running payment unless the gross amount of running bill is 50 (*fifty*) lakh or 30% (*thirty percent*) of the tendered amount whichever is less. Provisions in Clause(s) 7, 8, & 9 contained in West Bengal Form No. 2911(ii) so far as they relate to quantum and frequencies of payment are to be treated as superseded.

The payment will be made as and when fund is available from the concerned source. No claim whatsoever for delay in payment, if any, will be entertained. Retention money towards performance Security amount to 3%(*three percent*) of the value of the work will be deducted from the running account bill of the tender as per prevailing order. No interest will be paid on security deposit.

6. Constructional Labour Welfare CESS @ 1% (one percent) of cost of construction will be deducted from the bill(s) of the contractor(s) on all contracts awarded on or after 01/11/2006 in pursuance with G.O. no. 599A/4M-28/06 dated 27/09/2006. GST, Royalty & all other Statutory levy / CESS will have to be borne by the contractor & the schedule of rates are inclusive of all the taxes & CESS stated above as per rule.

Successful tenderers will be required to observe Successful Tenderers will be required to obtain valid Registration Certificate & Labor License from respective Regional Labour Offices where construction work by them are proposed to be carried out as per Clauses U/S 7 of West Bengal Building & other Construction Works' Act, 1996 and U/S 12 of Contract Labour Act.

the following conditions strictly:

- 6.1. Employees' Provident Fund and Miscellaneous Provisions Act, 1952 and Employees State Insurance Act, 1948 should be strictly adhered to wherever such Acts become applicable.

6.2. Minimum wages to the workers shall be paid according to the rates notified and / or revised by the State Government from time-to-time under the Minimum Wages Act, 1948 in respect of scheduled employments, within the specified time as per law. Payment of bonus, wherever applicable, has to be made.

6.3. Adequate safety and welfare measures must be provided as per the provisions of the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act, 1996 read with West Bengal Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Rules, 2004.

6.4. All liabilities arising out of engagement of workers are duly met before submission of bills for payment.

If there is any violation of any or all the relevant above criteria during execution of the job, it will render the concerned agencies ineligible for the work then and there or at any subsequent stage as may be found convenient.

7. Adjustment of Price (increase or decrease) Vide Notification No.23-CRC/2M-61/2008 dated 13/03/2009 & Notification No. 38-CRC/2M-61/2008 dated 20/04/2009 shall not be applicable. Since BOQ for the works under this NIeT is based upon the schedule of rates of Public Works Directorate, Government of West Bengal with Addendum & Corrigendum as mentioned hereinafter, the bidders shall quote their rate (percentage above / below / at par) accordingly considering that no escalation and / or price adjustment will be allowed by the Department thereto under any circumstances.
8. **No Mobilisation Advance and Secured Advance will be allowed.** Agencies shall have to arrange required land for installation of Plant & Machineries, (specified for each awarded work, storing of materials, labour shed, laboratory etc. at their own cost and responsibility nearest to the work site. The agencies will have to install the above machineries on the site within 45 (*forty five*) days from this end positively with application of Tender.
9. Bids shall remain valid for a period not less than 120 (*one hundred twenty*) days from the last date of submission of Financial Bid / Sealed Bid. In case of inadvertent typographical mistake found in the specified schedule of rates / BOQ, the same will be treated to be so corrected as to conform with the relevant schedule of rates prevailing at the time of floating of tender and / or technically sanctioned estimate. No claim whatsoever for such inadvertent typographical mistake will be entertained.
10. All materials required for the proposed scheme as mentioned including bitumen (*all grade*), bitumen emulsion, cement & steel (which ever applicable) will have to be of specified grade & approved brand in conformity with relevant code of practice (*latest revision*) & manufactured accordingly & will have to be procured & supplied by the agency at his / their own cost including all taxes. Authenticated evidence for purchase of bitumen, bitumen emulsion, cement and steel are to be submitted along with challan and test certificate. In the event of further testing opted by the Engineer-in-Charge, such testing from any Government approved / Government Testing Laboratory will have to be conducted by the agency at his/their own cost. VG 30 / VG 40 grade paving bitumen, as the case may be, of I.O.C.L/ B.P.C.L/ H.P.C.L will be permitted as Straight run Bitumen. All steel materials to be used for the work should be SAIL / TATA / RINL unless otherwise mentioned specifically in the BOQ.

11. Date & Time Schedule:

Sl. No.	Particulars	Date and Time
1	Date of publishing NIEIT Documents. (online) (Publishing Date)	19.01.2022 From 06.00 P.M. onwards.
2	Tender Document download start date and time. (online)	19.01.2022 From 6:15 P.M. onwards.
3	Pre Bid Meeting with the intending Bidders. (Optional for the bidders)	02.02.2022 at 01:00 P.M. At office of The Superintending Engineer, Central Circle, Municipal Engineering Directorate, Government of West Bengal, Municipal Commercial Complex, N .S. Road, Malda - 732101 (office address)
4	Start Date of Bid Submission. (Technical and Financial) (online)	20.01.2022 From 10.30 A.M onwards.
5	Closing date and time of download of Tender Document (online).	21.02.2022 upto 11:00 A.M
6	Closing date and time of Bid submission (Technical and Financial) (online).	21.02.2022 up to 12:00 Noon
7	Date and time of opening of Technical Proposals (online).	23.02.2022 after 12:00 Noon
8	Date and time of uploading of list of Technically qualified bidders. (online)	Will be notified later on.
9	Date of uploading of final list of technically qualified bidders after disposal of appeals, if any.	Will be notified later on.
10	Date and time of opening of Financial Proposal (online).	Will be notified later on.

13. There will be no provision of Arbitration.

Clause 25 of West Bengal Form No. 2911(ii) is modified vide notification no. 8182-F(Y) dated 26/09/2012 of Finance Department, Govt. of West Bengal, as follows:

“Except where otherwise provided in the contract all question and disputes relating to the meaning of the specifications, designs, drawings and instructions herein before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever, in any way arising out of relating to the contracts designs, drawings, specifications, estimate, instructions, orders or these conditions or otherwise concerning the works, or the executions or failure to execute the same, whether arising during the progress of the work, or after the completion or abandonment thereof shall be dealt with as mentioned hereinafter;

If the contractor considers any work demanded of him to be outside the requirements of the contract, or disputes any drawings, record or decision given in writing by the Engineer-in-Charge on any matter in connection with or arising out of the contract or carrying out of the work, to be unacceptable, he shall promptly within 15 (fifteen) days request the Chairman of the Dispute Redressal Committee in writing for written instruction or decision. Thereupon, the Dispute Redressal Committee shall give its written instructions or decision within a period of three months from the date of receipt of the contractor’s letter.

The Dispute Redressal Committee in each of the works Departments shall be constituted with the following officials as members:

1. Additional Chief Secretary / Principal Secretary / Secretary of the Department concerned.	Chairman
2. Engineer-in-Chief / Chief Engineer or any officer of equivalent rank of the Department.	Member

3. One Designated Chief Engineer / Engineer of the Department to be nominated by the Department concerned.	Member Secretary and Convenor
4. One representative of Finance Department of the Government not below the rank of Joint Secretary or Financial Adviser in case of the works Department where FA system has been introduced.	Member

This provision will be applicable irrespective of the value of the works to which the dispute may relate.

14. The Bidder, at the Bidder's own responsibility and risk is encouraged to visit and examine the site of works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for the work as mentioned in the Notice inviting Tender, the cost of visiting the site shall be at the Bidder's own expense. Issuance of letter of acceptance / Work Order may be delayed and / or work may be financially restricted upto the limit of existing administrative approval until receipt of administrative approval / revised administrative approval from the competent authority (*in applicable cases*). Also issuance of letter of acceptance / work Order may be delayed and / or work may be restricted in some stretches till necessary land for the same is made available and / or encroachments are removed (*in applicable cases*). No claim, whatsoever, for such delay in issuance of Letter of Acceptance / Work Order and / or restriction of work will be entertained. Intending bidders may keep these criteria in mind while participating in tender and / or while quoting their rates.

Guiding Schedule of Rates: Rates have been taken from P.W.D. (W.B.) Schedule of Rates for "Road & Bridge Works", "Building Works", "Sanitary & Plumbing Works" and Electrical works effective from 1st November 2017 along with up to date corrigenda & addenda and approved rates of the Superintending Engineer, Respective Circle, Municipal Engineering Directorate, Government of West Bengal.

15. Prospective applicants are advised to note carefully the minimum qualification criteria as mentioned in 'Instructions to Bidders' before bidding.
16. Defect Liability Period:- As per Notification No. 5784-PW/L&A/2M-175/2017 dt. 12.09.2017 of Principal Secretary, PWD the following partial modification in the West Bengal Form No: 2911/2911 (i)/ 2911 (ii) (herein after referred to as printed Tender Form), in cancellation of earlier Notification No.177-CRC/2M-57/2008, Dt.12.07.2012 are made:-

Clause 17 of CONDITIONS OF CONTRACT of the Printed Tender Form shall be substituted by the following as per G.O. no. 5784-PW/L&A/2M-175/2017 dated 12/09/2017:

Clause 17 - If the contractor or his workmen or servants or authorized representatives shall break, deface, injure, or destroy any part of building, in which they may be working, or any building, road, road-curbs, fence, enclosure, water pipes, cables, drains, electric or telephone posts or wires, trees, grass or grassland or cultivated ground contiguous to the premises, on which the work or any part of it is being executed, or if any damage shall happen to the work from any cause whatsoever or any imperfection become apparent in it at any time whether during its execution or within a period of three months or one year or three years or five years, as the case may be (depending upon the nature of the work as described in the explanation appended hereto) hereinafter referred to as the Defect Liability Period, from the actual date of completion of work as per completion certificate issued by the Engineer-in-Charge, the contractor shall make the same good at his own expense, or in default, the Engineer-in-Charge may cause the same to be made good by other workmen and deduct the expense (of which the certificate of the Engineer-in-Charge shall be final and binding on

all concerned) from any sums, whether under this contract or otherwise, that may be then, or at any time thereafter become due to the contractor from the Government or from his security deposit, either full, or of a sufficient portion thereof and if the cost, in the opinion of the Engineer-in-Charge (which opinion shall be final and conclusive against the contractor), of making such damage or imperfection good shall exceed the amount of such security deposit and/or such sums, it shall be lawful for the Government to recover the excess cost from the contractor in accordance with the procedure prescribed by any law for the time being in force.

Provided further that the Engineer-in-Charge shall pass the "Final Bill" and certify thereon, within a period of thirty days with effect from the date of submission of the final bill in acceptable form by the contractor, the amount payable to the contractor under this contract and shall also issue a separate completion certificate mentioning the actual date of completion of the work to the contractor within the said period of thirty days. The certificate of the Engineer-in-Charge whether in respect of the amount payable to the contractor against the "Final Bill" or in respect of completion of work shall be final and conclusive against the contractor. However, the security deposit of the work held with the Government under the provision of clause 1 hereof shall be refundable to the contractor in the manner provided here under:-

For work with five years Defect Liability Period:

- (i) No security deposit shall be refunded to the contractor for 1st 3 years from the actual date of completion of the work;
- (ii) 30% of the security deposit shall be refunded to the contractor on expiry of four years from the actual date of completion of the work;
- (iii) The balance 70 % of the security deposit shall be refunded to the contractor on expiry of five years from the actual date of completion of the work,

Explanation:

The word 'work' means and includes road work, bridge work, building work, sanitary and plumbing work, electrical work and/or any other work contemplated within the scope and ambit of this contract.

Additional provisions in substituted Clause 17 of the Condition of Contract of the printed tender form as per G.O. no. 52-CRC/2M-06/2014 dated 27/10/2014 and G.O. no. 5951-PW/L&A/2M-175/2017 dated 02/11/2017.

In cases of Refunding and Releasing of 100% (*one hundred percent*) Security Deposit held with the Government, arising out from works contract, Security Deposit will be released after issuance of Completion Certificate on submission of unconditional BANK GUARANTEE by the Contractor for the Security Deposit subject to the following conditions:

1. The Bank Guarantee will be issued by a Scheduled Commercial Bank in favour of the Engineer-in-Charge of the concern work, MED, Government of West Bengal on behalf of the contractor.
2. The Bank Guarantee shall remain valid for the whole Defect liability period/Security period as per contract of the work (No renewal in between should be required).

3. The Bank Guarantee will be submitted as per approved Format. The Engineer-in-Charge should obtain confirmation of the Bank Guarantee directly from the Bank before its acceptance.
4. The Bank Guarantee, now pledged in the form of Security Deposit will be released to the contractor in the following manner, if not forfeited under conditions of contract:

For this work defect liability period is 5 years from the date of completion of the work as per completion certificate issued by the concerned Executive Engineer, MED. However, completion certificate should be issued after completion of all items of works as per schedule as required including supplementary items (if any) in all respect but except the items of maintenance of trees etc.

- 4.4.1. No amount shall be refunded to the contractor for first 3 (*three*) years from the actual date of completion of the work;
 - 4.4.2. 30% (*thirty percent*) of the same shall be refunded to the contractor on expiry of 4 (*four*) years from the actual date of completion of the work;
 - 4.4.3. The balance 70% (*seventy percent*) of the same shall be refunded to the contractor on expiry of 5 (*five*) years from the actual date of completion of the work.
17. In case of Ascertaining Authority at any stage of tender process or execution of work necessary registered irrevocable power of attorney is to be produced. Power of Attorney holders are not allowed to sign Tender Documents unless otherwise approved by the Government.
18. No CONDITIONAL/ INCOMPLETE TENDER will be accepted under any circumstances. Original documents in support of own / lease possession of the aforesaid machineries are to be furnished if required by the Tender Inviting Authority.
19. In the event of acceptance of lowest tendered rate, no multiple minimum rate will be considered by the Department.
20. **In case of item rate tender, the technically qualified bidder, whose total offered price considering sum of offered prices of all the items of works taken together, stands lowest, will be considered for acceptance. In no case lowest bidder of individual items of works will be considered for acceptance for the corresponding items of works.**
21. The Tender Inviting Authority reserves the right to cancel the NIeT due to unavoidable circumstances and no claim in this respect will be entertained.
22. During the scrutiny, if it comes to the notice of the tender inviting authority that the credential(s) and/or any other paper(s) of any bidder are incorrect / manufactured / fabricated, that tender will be out rightly rejected and further penal action may be taken against him as per rule.
23. In case there is any objection regarding prequalifying an agency, that should be lodged to the Chairperson & Convener of the Bid Evaluation Committee, i.e., the Superintending Engineer Central. Circle, Municipal Engineering Directorate, Government of West Bengal within 48 (*forty eighty*) hours (*including holidays*) from the date and time of publication of list of qualified agencies and beyond that time schedule no objection will be entertained by the Bid Evaluation Committee. The objection may also be submitted to the E-mail ID medsecentral@yahoo.in of Superintending Engineer ,Central Circle ,MED within the said time frame.
24. Before issuance of Letter of Acceptance / Work Order, the tender inviting authority may verify the credentials & other documents of the lowest tenderer if found necessary. After verification, if it is found that such documents submitted by the lowest tenderer are either manufactured or false, in that case Letter of Acceptance / Work Order will not be issued in favour of that tenderer under any circumstances and further penal action may be taken against him as per rule.
25. If any discrepancy arises between two similar clauses on different notifications, the clause as stated in later notification will supersede former one in following sequence:
 - (i) West Bengal Form No. 2911(ii)
 - (ii) NIeT Kandi

- (iii) Special terms & Conditions
- (iv) Technical bid
- (v) Financial bid

In case of inadvertent typographical mistake in the BOQ / Schedule of Works/ Price Schedule/rates /elsewhere, the same may be treated to be so corrected as to conform with the relevant schedule of rates and / or technically sanctioned estimate.

27. Bid Evaluation Committee (BEC):

A Bid Evaluation Committee (BEC) has been constituted under the Superintending Engineer Central Circle, Municipal Engineering Directorate, and Government of West Bengal, who is the tender inviting authority for all works beyond the tender accepting power of the Executive Engineers.

The members of Bid Evaluation Committee would be:-

1.	Superintending Engineer .Central Circle, Municipal Engineering Directorate, Government of West Bengal	- Chairperson & Convener
2.	Executive Engineer Central Circle, MED, Govt. of WB.	- Member
3.	Executive Engineer, Murshidabad. Division, MED, Govt. of WB.	- Member
4.	Divisional Accounts Officer / Divisional Accountant, Murshidabad Division , MED.	- Member
5.	- Member

Or, as per consecutive orders from competent authority.

The Bid Evaluation Committee will do the technical and financial evaluations of the bidders for different types of works and make recommendation to the tender accepting authority. The bidders will have to meet all the minimum criteria regarding:-

- (a) Financial Capacity
- (b) Technical Capability comprising of personnel & plant & equipment capability
- (c) Experience / Credential

The eligibility of a bidder will be ascertained on the basis of his digitally signed documents in support of the minimum criteria as mentioned in (a), (b), (c) above with the help of his DSC and the declaration executed through prescribed affidavit in non-judicial stamp paper of appropriate value duly notarized. If any document submitted by a bidder is either manufactured or false, in such case the eligibility of the bidder/ tenderer will be out rightly rejected at any stage without any prejudice and further penal action may be taken against him as per rule.

- 29. The Bid Evaluation Committee reserves the right to ignore minor deficiencies at their discretion in case of first call and no challenge whatsoever against such decision of the said committee will be entertained. In case of re tender, the Bid Evaluation Committee reserves the right to ignore some deficiencies at their discretion and no challenge whatsoever against such decision of the said committee will be entertained. In case of third and subsequent calls, the Bid Evaluation Committee reserves the right to ignore some more deficiencies at their discretion and no challenge whatsoever against such decision of the said committee will be entertained.
- 30. Bidders should upload their documents from original copies. Uploading Photocopy & illegible copies will not be accepted.

31. Quality Monitoring and Supervision Consultant:

31.1. Reputed engineering firm may be engaged to act as Supervision Consultant as per direction of the Engineer-in-Charge. The Supervision Consultant will assist the Engineer-in-Charge to monitor the project, checking the quality and quantity of works etc. Supervision Consultant or any person authorized by the Engineer-in-Charge shall at all

reasonable time have access to the site, all plant and all places where materials are being manufactured and tested. The contractor will have to afford every facility for and every assistance in obtaining the right to such access.

31.2. Third Party quality audit may also be conducted for quality monitoring as per sole discretion of the Engineer-in-Charge.

32. This NIT shall form a part of the contract document. The successful bidder on acceptance of his bid by the Accepting Authority, shall have to sign the contract consisting of NIT, all tender documents forming part of the bid as uploaded at the time of invitation of bid, the rates quoted online at the time of submission of bid and acceptance thereof together with any Correspondence leading thereto and standard West Bengal Form No. 2911(ii).

33. As per memorandum no. 4608-F(Y) dated.18.07.2018 of Finance Department Govt. of West Bengal, the successful bidder will have to submit Additional Performance Security @10% of the tendered amount, if the accepted bid value is 80% or less of the Estimated amount put to tender.

The Additional Performance Security shall be submitted in the form of Bank Guarantee from any Scheduled Bank before issuance of the Work Order. If the bidder fails to submit the Additional Performance Security within seven working days from the date of issuance of Letter of Acceptance, his Earnest Money will be forfeited and other necessary actions as per NIT like blacklisting of the contractor, etc, may be taken. The Bank Guarantee shall have to be valid up to end of the Contract Period and shall be renewed accordingly, if required.

The Bank Guarantee shall be returned immediately on successful completion of the Contract. If the bidder fails to complete the work successfully, the Additional Performance Security shall be forfeited at any time during the pendency of the contract period after serving proper notice to the contractor. Necessary provisions regarding deduction of security deposit from the progressive bills of the contractor as per relevant clauses of the contract shall in no way be altered/affected by provision of this Additional Performance Security.

34. **Cost of Tender Documents:** The intending Tenderers shall not have to pay the cost of tender documents for the purpose of participating in e-tendering vide Notification No. 199-CRC/2M-10/2012 dated 21/12/2012 of the Secretary, Public Works Department, Government of West Bengal

However, the successful bidder shall have to pay the cost of contract documents @ **Rs. 5000.00 (Rupees Five thousand)** only per set at the time of formal agreement.



Superintending Engineer
Central Circle,
Municipal Engineering Directorate,
Government of West Bengal.

Copy forwarded for information and for forwarded wide circulation through his Office Notice Board to:-

1. The Director, SUDA, West Bengal
2. The Chief Vigilance Officer , Govt of WB
3. The Secretary, MED, Bikash Bhavan, Salt Lake Kolkata
4. The Chief Engineer, MED, Bikash Bhavan, Salt Lake Kolkata
5. The Chairperson, BOA, Kandi. Municipality
6. The Additional Chief Engineer, North, MED
7. The Additional Chief Engineer, South, MED
8. The Superintending Engineer, Head Quarter, East/West/North/South/Central Circle, MED
9. The Executive Engineer, Malda / Dinajpur / Murshidabad / Jalpaiguri / Siliguri / Coochbehar /Burdwan / Assansol /Birbhum / Bankura / Purulia /Nadia /Hooghly/ Midnapore East / Midnapore West /24- Parganas (N) / 24- Parganas (S) Division, M.E. Directorate,MED
10. Income Tax Officer, Berhampore, 57 R.N. Tagore Road, Murshidabad.



Superintending Engineer
Central Circle,
Municipal Engineering Directorate,
Government of West Bengal.

General guidance for e-Tendering:

Instructions / Guidelines for electronic submission of the tenders have been annexed for assisting the contractors to participate in e-Tendering.

Registration of Contractor:

Any contractor willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement System, through logging on to <https://etender.wb.nic.in> (the web portal of Public Works Department). The contractor is to click on the link for e-Tendering site as given on the web portal.

Digital Signature Certificate (DSC):

Each contractor is required to obtain a Class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders, from the approved service provider of the National Informatics Centre (NIC) on payment of requisite amount. Details are available at the Web Site stated in Clause A.1. above. DSC is given as a USB e-Token.

The contractor can search and download NIeT, Tender Document(s) and Addenda & Corrigenda (*if any*) electronically from computer once he/she logs on to the website mentioned in Clause A.1. using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

Submission of Tenders:

General process of submission:

Tenders are to be submitted through online to the website stated in Clause A.1. in two folders at a time for each work, one is Technical Proposal & the other is Financial Proposal before the prescribed date & time using the Digital Signature Certificate (DSC). The documents are to be uploaded Virus free scanned copy of the documents are to be uploaded duly Digitally Signed. The documents will get encrypted (transformed into non readable formats).

Technical proposal:

The Technical proposal should contain scanned copies of the following in further two covers (folders):

Statutory Cover Containing:

- A. 6.2.0.1. Prequalification Application
(Section – B, Form – I)
- A. 6.2.0.2. Earnest Money has to be deposited by the bidder through the following payment mode as per memorandum of the Finance Department vide No. 3975-F(Y) dated 28th July, 2016.
 - (a) Net banking (any of the banks listed in the ICICI Bank Payment gateway) in case of payment through ICICI bank payment gateway.
 - (b) RTGS/NEFT in case of offline payment through bank account in any bank.
- A. 6.2.0.3. Financial Statement
(Section – B, Form – II)
- A. 6.2.0.4. Affidavit
(Ref:- format for affidavit shown in "X" and Declaration "Y" In Section – B)
- A. 6.2.0.5. West Bengal Form No. 2911(ii) & NIeT with all agenda & corrigendum
(download & upload the same digitally signed, quoting rate will only encrypted in the BOQ under Financial Bid. In case quoting any rate in West Bengal Tender Form No. 2911(ii) the tender liable to summarily rejected)
- A. 6.2.0.6. Special Terms, conditions & specification of works.

Non statutory Cover Containing:

- A. 6.2.1.1. Professional Tax (PT) deposit receipt challan for the financial year 2017-2018, PAN Card, valid 15-digit Goods and Service Tax payer Identification Number (GSTIN) under GST Act. 2017 with relevant document(s) and any other(s) if applicable.
- A. 6.2.1.2. Registration Certificate under Company Act. *(if any)*.
- A. 6.2.1.3. Registered Deed of partnership Firm / Article of Association & Memorandum.
- A. 6.2.1.4. Registered Power of Attorney
(For Partnership Firm/ Private Limited Company, if any).
- A. 6.2.1.5. Tax Audited Report in 3 CD Form along with Balance Sheet & Profit & Loss A/c for the last five years
(year just preceding the current Financial Year will be considered as year – I).
- A. 6.2.1.6. Clearance Certificate for the Current Year issued by the Assistant Register of Co-Op (S) (ARCS).

A. 6.2.1.7. Bye laws are to be submitted by the Registered labour Co-Op (S) & Engineers' Co.-Opt.(S).

A. 6.2.1.8. List of machineries possessed by own/ lease along with authenticated copy of tax invoice, delivery challan& waybill Ref.:- Cl. No. 3.2.9.& 20 and Section -B, Form - IV of this NIeT and a statement should be submitted with mentioning the present status and location of installation of main plant and machineries.

A. 6.2.1.9. List of laboratory Instrument along with authenticated Invoice &Challan.

A. 6.2.1.10. List of Technical staffs along with structure & organization
(Section - B, Form - III).

A. 6.2.1.11. Requisite Credential as per Cl. No. 3(i) and Section - B, Form - V of this NIeT. Scanned copy of Original Credential Certificate as stated in Cl. No. 3(i) of NIeT is to be submitted.

Note: Failure of submission of any of the above mentioned documents (as stated in A. 1.& A. 2.) will render the tender liable to be summarily rejected for both statutory & non statutory cover.

Opening & evaluation of tender:

Earnest money amounting to 2% (*two percent*) of the estimated value of work for which tender has been called for, will have to be submitted online by all intending Tenderers.

Opening of Technical proposal:

Technical proposals will be opened by the Superintending Engineer, Central Circle, Municipal Engineering Directorate, Government of West Bengal. Intending tenderers may remain present if they so desire.

Cover (folder) statutory documents (vide Cl. No. 6.A-1) will be opened first & if found in order, cover (Folder) for non-statutory documents (vide Cl. No. - 6.A2) will be opened. If there is any deficiency in the statutory documents, the tender will summarily be rejected.

Decrypted (transformed in to readable formats) documents of the non-statutory cover will be downloaded & handed over to the tender evaluation committee.

Pursuant to scrutiny & decision of the Bid Evaluation Committee, the summary list of eligible bidders & the serial number of work for which their proposal will be considered will be uploaded in the web portals.

While evaluation the committee may summon the bidders(s) & seek clarification / information or additional documents or original hard copy of any of the documents already submitted & if these are not produced within the stipulated time frame, their proposals will be liable for rejection.

**THE ABOVE STATED NON-STATUTORY/TECHNICAL DOCUMENTS
SHOULD BE ARRANGED IN THE FOLLOWING MANNER**

Click the check boxes beside the necessary documents in the My Document list and then click the tab "Submit Non Statutory Documents" to send the selected documents to Non-Statutory folder.

Next Click the tab "Click to Encrypt and upload" and then click the "Technical" Folder to upload the Technical Documents.

Sl. No.	Category Name	Sub-Category Description	Detail(s)
A.	Certificate(s)	Certificate(s)	<ol style="list-style-type: none"> 1. Valid 15-digit Goods and Service Tax payer Identification Number (GSTIN) under GST Act. 2017 with relevant document(s) and any other(s) if applicable. 2. PAN Card. 3. Valid P. Tax Deposit Challan. 4. Valid Trade License.
B.	Company Detail(s)	Company Detail - 1	<ol style="list-style-type: none"> 1. Proprietorship Firm (<i>Trade License</i>) 2. Partnership Firm (<i>Partnership Deed, Trade License</i>) 3. Ltd. Company (<i>Incorporation Certificate, Trade License</i>) 4. Co-Operative Society (<i>Society Registration Certificate Copy, Trade License</i>) 5. Registered Power of Attorney.
C.	Credential	Credential - 1 Credential - 2	Similar nature of work done and completion certificate with Price Schedule or BOQ which is applicable for eligibility in this NIeT.

Sl. No.	Category Name	Sub-Category Description	Detail(s)
E.	Financial Information	Work in hand	1. Financial Statement (Section – B, Form – II) duly filled up. 2. Affidavits – X and Declaration – Y. 3. Certificate of revolving line of credit by the
		Payment Certificate 1 Payment Certificate 2	Only Payment Certificate not the TDS Certificate. (Issued by an Officer not below the rank of Executive Engineer).
		Profit & Loss A/c. and Balance Sheet for the financial year 2017-2018.	Profit & Loss A/c. and Balance Sheet (with Annexure and 3CD form in case of Tax Audit)
		Profit & Loss A/c. and Balance Sheet for the financial year 2016-2017.	Profit & Loss A/c. and Balance Sheet (with Annexure and 3CD form in case of Tax Audit)
		Profit & Loss A/c. and Balance Sheet for the financial year 2015-2016.	Profit & Loss A/c. and Balance Sheet (with Annexure and 3CD form in case of Tax Audit)
		Profit & Loss A/c. and Balance Sheet for the financial year 2014-2015.	Profit & Loss A/c. and Balance Sheet (with Annexure and 3CD form in case of Tax Audit)
		Profit & Loss A/c. and Balance Sheet for the financial year 2013-2014.	Profit & Loss A/c. and Balance Sheet (with Annexure and 3CD form in case of Tax Audit)
L.	Man Power	Technical Personnel	List of Technical Staffs along with Structures & Organization (as per NIET.)
		Technical Personnel on Contract	List of Technical Staffs along with Structures & Organization (as per NIET.)

Tender Evaluation Committee (TEC)

Bid Evaluation Committee constituted under Superintending Engineer with reference to Order no. 45-W(C)/1M-23/15 dated 13/02/2015 of the Principal secretary to the Govt. of W.B., P.W.D.

Opening of Technical Proposal:

Technical proposals will be opened by the Superintending Engineer (CENTRAL CIRCLE.), M.E.Directorate and his authorized representative electronically from the website using their Digital Signature Certificate (DSC).

Financial proposal

The financial proposal should contain the following documents in one cover (folder) i.e., Bill of Quantities (BOQ). The contractor is to quote the rate (percentage Excess / Less / At par) online through computer in the space marked for quoting rate in the BOQ.

Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the contractor.

Financial capacity of a bidder will be judged on the basis of net worth and available bid capacity as mentioned in the NIEt to be obtained from the information furnished in Form – II (Section– B), i.e., Financial Statement.

The Audited Balance Sheet for the last 5 (*five*) years, Net Worth, Bid Capacity etc. are to be submitted which must demonstrate the soundness of Bidder's financial position, showing longterm profitability including an estimated financial projection for the next 2 (two) years.

Penalty for suppression / distortion of facts:

Submission of false document, by tenderer is strictly prohibited & if found the matter may be referred to the appropriate authority for prosecution as per relevant IT Act / other relevant Acts and further penal action may be taken against him as per rule.

REJECTION OF BID

The Employer (tender accepting authority) reserves the right to accept or reject any Bid and to cancel the Bidding processes and reject all Bids at any time prior to the award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for Employer's (tender accepting authority) action.

AWARD OF CONTRACT

The Bidder whose Bid has been accepted will be notified by the Tender Inviting & Accepting Authority through Letter of Acceptance. Refusal to accept an award after issuance of "Letter of Acceptance" or refusal to enter into contract with the Government without justifiable cause will lead to forfeiture of EMD of the said bidder in favour of the Government and appropriate penal action as per rule / as stated elsewhere in this NIEt will be taken against him.

All the tender documents including N.I.T. & B.O.Q. will be the part of the contract documents. After receipt of Letter of Acceptance, the successful bidder shall have to submit requisite copies of contract documents along with requisite cost (Ref: of this N.I.T.) through Demand Draft / Pay Order /RTGS/NEFT issued from any nationalized / scheduled bank in favour of the Executive Engineer of the concerned work within time limit to be set in the letter of acceptance.

The Letter of Acceptance will constitute the formation of the Contract. Issuance of Letter of Acceptance / Work Order may be delayed due to non-receipt of clear site for the work and no claim, whatsoever, for delay in issuance of Letter of Acceptance / Work Order will be entertained.

The Agreement in West Bengal Form No. 2911(ii) will incorporate all necessary documents e.g. NIEt, all addenda & corrigendum, special terms & conditions (Section – C), different filled-up forms (Section –B), BOQs, prevailing P.W. Directorate Schedule of Rates at the time of floating of NIEt, and the same will be constituted between the Tender Accepting Authority and the successful Bidder.

Online receipt and refund of EMD of e-procurement through State Governmente-procurement portal.

Login by bidder:

A bidder desirous of taking part in a tender invited by a State Government Office / PSU / Autonomous Body / Local Body / PRIs, etc. shall login to the e-procurement portal of the Government of West Bengal <https://wbtenders.gov.in> using his login ID and password.

He will select the tender to bid and initiate payment of pre-defined EMD / Tender Fees forthat tender by select from either of the following payments modes:

- A. 11.0.1.1. Net banking (any of the banks listed in the ICICI Bank Payment gateway) in case of payment through ICICI bank payment gateway.
- A. 11.0.1.2. RTGS/NEFT in case of offline payment through bank account in any bank.

Payment procedure:

Payment by Net Banking (any listed bank) through ICICI Bank Payment Gateway:

- A. 11.1.0.1. On selection of net banking as the payment mode, the bidder will be directed to ICICI Bank payment Gateway webpage (along with a string containing a Unique ID) where he will select the Bank through which he wants to do the transaction.
- A. 11.1.0.2. Bidder will make the payment after entering his Unique ID and password of the bank to process the transaction.
- A. 11.1.0.3. Bidder will receive a confirmation message regarding success/failure of the transaction.
- A. 11.1.0.4. If the transaction is successful, the amount paid by the bidder will get credited in the respective Pooling account of the State Government / PSU / Autonomous Body / Local Body / PRIs, etc. maintained with the Focal Point Branch of ICICI Bank at R.N. Mukherjee Road, Kolkata for collection of EMD / Tender Fees.
- A. 11.1.0.5. If transaction is failure, the bidder will again try for payment by going bank to the first step.

Payment through RTGS/NEFT:

- A. 11.1.1.1. On selection of RTGS/NEFT as the payment mode, the e-procurement portal will show a pre-filled challan having the details to process RTGS/NEFT transaction.
- A. 11.1.1.2. The bidder will print the challan and use the pre-filled information to make RTGS/NEFT payment using his Bank account.
- A. 11.1.1.3. Once payment is made, the bidder will come back to the e-procurement portal after expiry of a reasonable time to enable the NEFT/RTGS process to complete, in order to verify the payment made and continue the bidding process.
- A. 11.1.1.4. If verification is successful, the Fund will get credited to the respective Pooling account of the State Government maintained with the Focal Point Branch of ICICI Bank at R.N. Mukherjee Road, Kolkata for collection of EMD.
- A. 11.1.1.5. Hereafter, the Bidder will go to e-procurement portal for submission of his bid.
- A. 11.1.1.6. But if the payment verification is unsuccessful, the amount will be returned to the bidder's account.

Refund/Settlement Process:

- A. 11.1.3.1. After opening of the bids and technical evaluation of the same by the tender inviting authority through electronic processing in the -e Procurement portal of the State Government, the tender inviting authority will declare the status of the bids as successful or unsuccessful which will be made available, along with the details of the unsuccessful bidders, to ICICI Bank by the e-Procurement portal through web services.
- A. 11.1.3.2. On receipt of the information from the e-Procurement portal, the Bank will refund, through an automated process, the EMD of the bidders disqualified at the technical evaluation to the respective bidders' bank accounts from which they made the payment transaction. Such refund will take place within T±2 Bank Working Days where T will mean the date on which information on rejection of bid is uploaded to the e-Procurement portal by the tender inviting authority.
- A. 11.1.3.3. Once the financial bid evaluation is electronically processed in the e-Procurement portal, EMD of the technically qualified bidders other than that of the L1 and L2 bidders will refund, through an automated process, to the respective bidders' bank accounts from which they made the payment transaction. Such refund will take place within T±2 Bank Working Days where T will mean the date on which information on rejection of financial bid is uploaded to the -e Procurement portal by the tender inviting authority. However, the L2 bidder should not be rejected till the LOI process is successful.
- A. 11.1.3.4. If the L1 bidder accepts the LOI and the same is processed electronically in the e-Procurement portal, EMD of the L2 bidder will be refunded through an automated process, to his bank account from which he made the payment transaction. Such refund will take place within T±2 Bank Working Days where T will mean the date on which information on Award of Contract (AOC) to the L1 bidder is uploaded to the e-Procurement portal by the tender inviting authority.
- A. 11.1.3.5. As soon as the L1 bidder is awarded the contract (AOC) and the same is processed electronically in the e-Procurement portal.
- EMD of the L1 bidder for tenders of State Government offices will automatically get transferred from the pooling account to the State Government deposit head "8443-00-103-001-07" through GRIPS along with the bank particulars of the L1 bidder.
- In Such transfer will take place within T±1 Bank Working Days where T will mean the date on which the Award of Contract (AOC) is issued.
- A. 11.1.3.6. The Bank will share the details of the GRN No. generated on successful entry in GRIPS with the e-Procurement portal for updation.

- A. 11.1.3.7. Once the EMD of the L1 bidder is transferred in the manner mentioned above, Tender fees, if any, deposited by the bidders will be transferred electronically from the pooling account to the Government revenue receipt head "0070-60-800-013-27" through GRIPS for Government tenders.
- A. 11.1.3.8. All refunds will be made mandatorily to the Bank A/c. from which the payment of EMD & Tender Fees (*if any*) were initiated.

Refund/Settlement Process:

- A. 11.1.4.1. The ICICI Internet Banking will communicate to the State Government e-Procurement portal all details of the transactions on daily basis.
- A. 11.1.4.2. The Tender inviting Authority of the Government Offices will be using their respective e-procurement User ID and Password to view the EMD and Tender Fees deposited by the bidders in the pooling accounts.
- A. 11.1.4.3. The nodal officer of the Finance Department, Government of West Bengal will be able to view the Department-wise EMD and Tender Fees deposited by the bidders to the pooling accounts and fund transferred downstream at various stages of the tender process to the Government accounts and bidders' accounts, as applicable by using user access as provided by NIC.



Superintending Engineer, Central Circle,
Municipal Engineering Directorate,
Government of West Bengal.

SECTION - B
FORM - I
PRE - QUALIFICATION APPLICATION

**To
The Superintending Engineer
Central Circle,
Municipal Engineering Directorate,
Government of West Bengal.**

Ref : Tender for(name of work).....

NIeT No..... Sl. No..... of The Superintending Engineer..... Circle, Municipal Engineering Directorate, Government of West Bengal

Dear Sir,

Having examined the Statutory, Non-statutory & NIeT documents, I /we hereby submit all the necessary information and relevant documents for evaluation.

The application is made by me / us on behalf of.....

in the capacity..... duly authorized to submit the order.

The necessary evidence admissible by law in respect of authority assigned to us on behalf of the group of firms for Application and for completion of the contract documents is attached herewith.

We are interested in bidding for the work(s) given in Enclosure to this letter.

We understand that:

- (a) Tender Inviting & Accepting Authority/Engineer-in-Charge can amend the scope & value of the contract bid under this project.
- (b) Tender Inviting & Accepting Authority / Engineer-in-Charge reserve the right to reject any application without assigning any reason.

Enclosure(s): e-Filing:-

- 1. Statutory Documents.
- 2. Non Statutory Documents.

Date.....

Signature, Name and designation of authorized signatory

For and on behalf of

(name of the applicant)

SECTION - B

FORM - II

Information of audited financial statement for the last year to demonstrate the current soundness of the Bidder's financial position

Name of Bidder:

1. The Bidder's Net Worth for the last year calculated on the basis of capital, profit and free reserve available to the firm should be positive.
2. Annual Turn Over

Year	Amount in Rs.	Document Reference as attached (Page no. etc.)
Year-5(2020-2021)		
Year-4(2019-2020)		
Year-3(2018-2019)		
Year-2(2017-2018)		
Year-1(2016-2017)		

3. Bank Solvency Certificate:

Amount in Rs.....

Issuing Bank
Branch.....

Date of issue of Bank Solvency Certificate

Date.....

Signature, Name and designation of authorized
signatory

For and on behalf of

(name of the applicant)

AFFIDAVIT - "X"

(To be furnished in Non-Judicial Stamp Paper of appropriate value duly notarized)

1. I, the undersigned do certify that all the statements made in the attached documents are true and correct. In case of any information submitted is proved to be false or concealed, the application may be rejected and no objection / claim will be raised by the undersigned.
2. The undersigned also hereby certifies that neither our firm.....nor any of its constituent partners have failed to executed more than one works contract under any directorate of Govt of West Bengal and that neither our firm..... nor any of its constituent partners was terminated by any sub-rule under Clause 3 of Tender Form No. 2911 and that neither our firm nor any of its constituent partners was terminated under any clause of Standard Bidding Documents by the Engineer-in-Charge / Employer during last 3 (three) years.
3. The undersigned would authorize and request any Bank, person, Firm or Corporation to furnish pertinent information as deemed necessary and/or as requested by the Department to verify this statement.
4. The undersigned understands that further qualifying information may be requested and agrees to furnish any such information at the request of The Department.
5. Certified that I have applied in the tender vide **NIeT bearing No. WB.....** of the Superintending Engineer, Head Quarter, Municipal Engineering Directorate, Government of West Bengal in the capacity of individual/ as a partner of a firm & I have not applied severally for the same job and also not applied more than two works anywhere per set of required machineries.
6. The undersigned also hereby certifies that the Bid shall remain valid for a period not less than 120 (one hundred twenty) days, after the dead line date for Bid submission.
7. I / we do hereby certify that I shall bring all requisite technical personnel and /or plants/ testing machineries / equipment for all the items of works as per relevant IS / IRC codes of practice and as per BOQ and as per direction of the Engineer-in-Charge at the time of execution of work at site even if upon technical evaluation I am declared as "qualified" without having all the requisite technical personnel and /or plants/ testing machineries / equipment at the time of submission of tender.

Date:

Signature, name and designation of
Authorised Signatory.

For and on behalf of
(Name of the Applicant)

SECTION - B

FORM - III

STRUCTURE AND ORGANISATION

A. 1 Name of Applicant _____
: _____

A. 2 Office Address :

Telephone No. :

Mobile No. :

A. 3 Name and address of Banker :

A. 4 Attach an Organization Chart
showing the structure of the
Company with names of key
personnel and technical staff
with Bio-Data. :

Note: Application covers Proprietary Firm, Partnership, Limited Company or corporation.

Date:

Signature, name and designation Of
Authorised Signatory.

For and on behalf of-----
(Name of the Applicant)

SECTION - B

FORM - IV

Deployment of Building / Road / Bridge Plant / Machineries / Equipment

Name of Plant / Machine / Equipment	Make	Type	Capacity	Motor / Engine No.	Machine No.	Possession Status		Date of release, <i>if</i> <i>engaged</i>	Present Location of Installation
						Idle	Engaged		
1	2	3	4	5	6	7	8	9	10

Date:

Signature, name and designation Of
Authorized Signatory.

For and on behalf of
(Name of the Applicant)

SECTION - B (Contd...)

Minimum Plant / Machinery and Equipment to be Deployed by the Contractor

It is entirely the responsibility of the Contractor to deploy sufficient plant and mechanical equipment to ensure compliance with his obligations under the Contract:

Successful bidder will have to deploy requisite machinery and equipment during execution of the work at site as per direction of the Engineer-in-Charge.

List of Equipment for Testing Laboratory

Successful bidder will have to provide requisite testing equipments during execution of the work at site as per direction of the Engineer-in-Charge.

Field Testing Instruments

Successful bidder will have to provide requisite field testing equipments during execution of the work at site as per direction of the Engineer-in-Charge.

DECLARATION "Y"

(To be submitted in non-judicial stamp paper of appropriate value, duly notarised)

- I, the undersigned, declare that all the statements made in the attached documents in respect of mode of ownership of machineries are true and correct.
- Certified that required specified machineries for the works under this NIeT will be installed at the working site within 45 (*forty five*) days (maximum) from the date of LOA / work Order.
- The undersigned also hereby certifies that neither our firm _____ nor any constituent firm had been debarred to participate in tender by Public Works Department, UD&MA Deptt. Or other Govt. deptt. during the last 5(*five*) years prior to the date of this NIeT.
- The undersigned understands and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the Department.
- Certified that I have applied in the Tender vide **in the tender vide NIeT bearing No. WB..... of the Superintending Engineer, Central Circle, Municipal Engineering Directorate, Government of West Bengal** in the capacity of individual / as a partner of a firm and that I have not applied severally for the same job.
- Certified that I have applied in the tender in the capacity of individual / as a partner of a firm.
- Certified that I have access to or have available liquid assets (aggregate of working capital, Cash-in-Hand, uncommitted Bank Guarantees) and / or credit facilities not less than 10% of the estimated cost put to tender. In this respect, I have attached necessary documents with this application.
- I, the under-signed, do certify that all the statements made in the attached documents are true and correct. If any declaration submitted is found / ascertain to be incorrect / fabricated / misrepresented / fraudulent etc., accordingly tender will be liable to be cancelled / terminated immediately & I / my firm / company shall also be liable to be prosecuted under section 197, 199 & 200 of Indian Penal Code, 1860 along with section- 71 & section -73 of Indian Information & Technology Act 2008 & any other applicable law for the time being in force in addition to forfeiture of Earnest Money / Security Deposit.

Date:

Signature, name and designation Of
Authorised Signatory.

For and on behalf of -----
(Name of the Applicant/Firm with Seal)

SECTION - B

FORM - V

Experience Profile

Name of the Firm:

List of projects completed that are similar in nature to the work applied for executed during the last 5 (five) years.

Name of Employer	Name, Location & nature of work	Name of Consulting Engineer responsible for supervision	Contract price in Indian Rs.	Percentage of Participation of company	Original Date of start of work	Original Date of completion of work	Actual Date of starting the work	Actual Date of completion of work	Reasons for delay in completion (if any)

Date:

.....
Signature, name and designation Of
Authorised Signatory.

For and on behalf of
(Name of the Applicant)

Special Terms and Conditions

C. 1 General:

Unless otherwise stipulated, all the works are to be done as per general conditions and general specifications as mentioned in the Departmental Schedule, i.e., Public Works Department Schedule of Rates for Building Works (Volume – I) and Sanitary & Plumbing works (Volume – II) including Materials, Labour & Carriage effective from 1st December 2017 with up-to-date addenda and corrigenda, if any, in force issued by the Superintending Engineer, Planning & Monitoring Circle, PWD & Convener, Combined Schedule Committee of PWD, as applicable for the working area of concerned Circle at the time of uploading of tender.

For general conditions and general specifications of items of works including supply and carriage works, not appearing in the aforesaid specification books, relevant Public Works Department Schedule of Rates for Road & Bridge Works (Volume-III) including Materials, Labour & Carriage in different districts of West Bengal for the working area effective from 1st December 2015 with up-to-date agenda & corrigenda, if any, in force issued from competent authority of PWD or relevant I.S. / I.R.C. Codes of practice or National Building Code in force at the time of uploading of tender will be considered for the appropriate working area.

C. 2 Definition of “Engineer-in-Charge” and commencement of work:

The word “Engineer-in-Charge” means the Executive Engineer, M.E. Directorate of the concerned Division. The word “Department” appearing anywhere in the tender documents means Municipal Engineering Directorate under UD&MA Department, Government of West Bengal, who have jurisdiction, administrative or executive, over part or whole of the works forming the subject matter of the tender or contract. The word “approved” appearing anywhere in the documents means approved by the Engineer-in-Charge. In case, the work is transferred to any other Division, the Executive Engineer under whom the work will be executed should be treated as the Engineer-in-Charge. The work will have to be taken up within specified time as mentioned in the work order. Failure to do so will constitute a violation of the contract stipulation as regards to proportionate progress and timely completion of work and the contractor will thereby make himself liable to pay compensation or other penal action as per stipulation of the printed tender form. The Superintending Engineer of concerned Circle, Municipal Engineering Directorate, Government of West Bengal will act as Nodal Superintending Engineer. The Executive Engineer, concerned Division, M.E. Directorate, Government of West Bengal shall be the Nodal Engineer-in-Charge of the work. Nodal Superintending Engineer will control the whole work. Deviation of the work if any should be controlled and sanctioned/approved by the nodal Superintending Engineer of MED as per G.O. No.- 5784-PW/L&A/2M-175/2017 Dated 12.09.17.

C. 3 Terms & Conditions in extended period:

As Clause 5 of West Bengal Form No. 2911(ii) when an extension of time for completion of work is granted by the Engineer-in-Charge for valid reasons over which the contractor have no control, it will be taken as granted by the working contractor that the validity of the contract is extended automatically up to the extended period with all terms and conditions, rates etc. remaining unaltered, i.e., the tender is revalidated up to the extended period.

C. 4 Co-operation with other agencies and damages and safety of road users:

All works are to be carried out in close co-operation with the Department and other contract(s) that may be working in the area of work. The work should also be carried out with due regard to the convenience of the road users and occupants of the adjacent locality, *if any*. All arrangements and programme of work must be adjusted accordingly. All precautions must be taken to guard against chances of injury or accidents to workers, road users, occupants of the adjacent locality etc. The contractor must see that all damages to any property which, in the opinion of the Engineer-in-Charge are due to the negligence of the contractor are promptly rectified by the contractor at his own cost and expenses and according to the direction and satisfaction of the Engineer-in-Charge.

C. 5 Transportation arrangement:

The contractor will arrange for all means of transport including railways wagons required for carriage and supply of materials and also the materials required for the construction work. The Department may however, at their own discretion grant necessary certificates, *if required*, for booking of railways wagons etc. But, in case of failure of the department to help the contractor in this respect, the contractor will have to arrange at his own initiative so that progress of work is not hampered and no claim whatsoever on this ground will be entertained under any circumstances. If railways facilities are not available, the contractor will have to depend on transport of materials by road as necessary to complete the work without claiming any extra payment from Department in this regard. The contractor must consider this aspect while quoting rate.

C. 6 Contractor's Site Office:

The contractor will have to set up an office adjacent to the work as may be approved by the Engineer-in-Charge where all directions and notice of any kind whatsoever, which the Engineer-in-Charge or his representative may desire to give to the contractor in connection with the contract, may be left or sent by post to such office or delivered to the contractor's authorised agent or representative. For such intimation to the contractor's site office, it will be deemed to be sufficient enough to be served upon the contractor. On selection, the contractor shall have to strictly display the work programme in Bar Chart and relevant drawings of the project in the site office.

C. 7 Incidental and other charges:

The cost of all materials, hire charges of Tools and plants, labour, Corporation / Municipal Fees for water supply, Royalty or road materials *if(any)*, electricity and other charges of Municipalities or statutory local bodies, ferry charges, Toll charges, loading and unloading charges, handling chargers, overhead charges etc. will be deemed to have been covered by the rates quoted by the contractor inclusive of all taxes, all other charges for the execution of the specified work, including supply of materials and related carriage, complete or finished in all respect up to the entire satisfaction of the Engineer-in-charge of the work. No extra claim in this regard beyond the specified rate as per work schedule in this respect will be entertained.

C. 8 Authorised Representative of Contractor:

The contractor should not assign the agreement or sublet any portion of the work. The contractor, may however, appoint and authorised representatives in respect of one or more of the following purposes only.

C. 8.1. General day to day management of work.

C. 8.2. To give requisition for Departmental materials, Tools & Plants etc., to receive the same and sign hand receipts thereof.

C. 8.3. To attend measurements when taken by the Departmental Officers and sign the records of such measurements which will be taken as accepted by the contractor.

The selection of the authorised representatives will be subject to the prior approval of the Engineer-in-Charge concerned and the contractor will in writing seek such approval of the Engineer-in-Charge giving therein the name of work, Tender No., the Name, Address and the attested specimen signature of the representative he wants to appoint and the specific purposes as specified here-in-above, which the representative will be authorised for. Even after first approval, the Engineer-in-Charge may issue at any subsequent date, revised directions about such authorised representatives and the contractor will be bound to abide by such directions. The Engineer-in-Charge will not be bound to assign any reason for his revised directions. Any notice correspondence etc. issued to the authorised representative or left at his address, will be deemed to have been issued to the contractor.

C. 9 Power of Attorney:

The Provision of the power of attorney, *if any*, must be subject to the approval of the Department. Otherwise the Department will not be bound to take cognizance of such of attorney.

C. 10 Extension of time:

For cogent reasons over which the contractor will have no control and which will retard the progress, extension of time for the period lost will be granted on receipt of application from the contractor before the expiry date of contract. No claim whatsoever for idle labour, additional establishment, enhanced cost of materials and labour and hire charges of tools & plants etc. will be entertained under any circumstances. The contractor should consider the above factor while quoting his rate. Applications for such extension of time should be submitted by the contractor in the manner indicated in Clause 5 of the printed form of West Bengal Form No. 2911(ii).

C. 11 Contractor's Godown:

The contractor must provide suitable godowns for cement and other materials at the site of work. The cement godown should be sufficient in capacity and it must be water tight with either an elevated floor with proper ventilation arrangement underneath the floor or if solid raised flooring is made, cement is to be stored on bamboo or timber dunnage to the satisfaction of the Engineer-in-Charge. No separate payment will be made for these godowns or for the store yard. Any cement, which is found at the time of use to have been damaged, shall be rejected and must immediately be removed from the site by the contractor as per directed of the Engineer-in-Charge.

C. 12 Arrangement of Land:

The contractor will arrange land for installation of his Plants and Machineries, his godown, store yard, labour camp etc. at his own cost for the execution of the work. Departmental land, if available and if applied for, may be spared for the said purpose on the written permission of the ULB authority as per rule.

C. 13 Use of Government Land:

Before using any space in Government land for any purpose whatsoever, approval of the Engineer-in-Charge will be required. Departmental land, if available and if applied for, may be spared for the purpose on usual charges as fixed by the Competent Authority. The contractor will have to make his own arrangements for storage of tools, plants, equipments; materials etc. of adequate capacity and will clear and remove on completion of work and will also remove the shed, huts etc. which he might have erected in Government land. If after such use, the contractor fails to clear the land, Department will arrange to remove those installations and adequate recovery will be made from the dues of the contractor.

C. 14 Work Order Book:

The contractor will within 7 (*seven*) days of receipt of the order to take up the work, supply at his own cost one Work Order Book to Sub-Divisional Officer / Assistant Engineer concerned, who is authorised to receive and keep in custody the Work Order Book on behalf of the Engineer-in-Charge. The Work Order Book will be kept at the site of work under the custody of Sub-Divisional Officer / Assistant Engineer or his authorised representative. The Work Order Book should have machine numbered pages in triplicate. Directions or instructions from Departmental officers to be issued to the Contractor will be entered (*in triplicate*) in the Work Order Book (*except when such directions or instructions are given by separate letters*). The contractor or his authorised representatives should regularly note the entries made in the Work Order Book and also record thereon the actions taken or being taken by him for complying the said directions or instructions on any relevant points relating to the work. The contractor or his authorised representative may take away the triplicate pages of the Work Order Book for his own record and guidance.

Cases of supplementary items or of claims may not be entertained unless supported by

entries in the Work Order Book or any written order from the Tender Accepting Authority.

The first page of the Work Order Book shall contain the following particulars:

- C. 14.1. Name of the Work;
- C. 14.2. Reference to contract number;
- C. 14.3. Contractual rate in percentage;
- C. 14.4. Date of opening of the Work Order Book;
- C. 14.5. Name and address of the Contractor;
- C. 14.6. Signature of the Contractor;
- C. 14.7. Name & address of the Authorized representative (*if any*);
- C. 14.8. Specific purpose for which the contractor's representatives is authorized to act on behalf of the Contractor;
- C. 14.9. Signature of the authorized representative duly attested by the Contractor;
- C. 14.10. Signature of the Sub-Divisional Officer / Assistant Engineer concerned;
- C. 14.11. Date of actual completion of work;
- C. 14.12. Date of recording final measurement;

Entries in C. 14.11.& C. 14.12.above shall be filled in on completion of the work and before the Work Order Book is recorded in the office of the Sub-Divisional Officer / Assistant Engineer.

C. 15 Clearing of Materials:

Before starting any work, work site, wherever necessary, must be properly dressed after cutting clearing of all varieties of jungles, shrubs, bamboo clusters or any undesirable vegetation from the alignment or site of works. On completion of works all temporary structures or obstructions including some pipes in underground works, *if any*, must also be removed. All scars of construction should be obliterated and the whole site should be left in a clear and neat manner to the satisfaction of the Engineer-in-Charge. Total length (*in case of road project*) should be demarcated by proper chainaging with fixing 200 m post as predilection of the Engineer-in-Charge on

both sides of the alignment and Bench Marking at desired locations as per direction of the Engineer-in-Charge. No separate payment will be made for all these works, the cost thereof being deemed to have been included in the rates of various items of works quoted by the contractor in the schedule of probable items of works.

C. 16 Sundry Materials:

The contractor must erect temporary pillars, master pillars etc. as may be required in suitable places as directed by the Engineer-in-Charge at his own cost before starting and during the work by which the departmental staff will check levels layout of different works and fix up alignment and the contractor will have to maintain and protect the same till completion of the work. All machineries and equipments like Level Machine, Staff, Theodolite etc. and other sundry material like pegs, strings, nails, flakes instruments etc. and also skilled labour required for setting out the levels, for laying out difference structures and alignment will also have to be supplied by the contractor at his own cost as per direction of the Engineer-in-Charge without any extra claim towards the Department.

C. 17 Supplementary / Additional items of Works:

- C. 17.1. Rates of Supplementary Item(s) will be analysed in the 1st instant as far as possible from the rates of the allied items of works appearing in the tender schedule.
- C. 17.2. Rates of Supplementary Item(s) will be analysed to the maximum extent possible from the rates of allied items of works appearing in the Public Works Department Schedule of Rates (for Building / Sanitary & Plumbing Works) of probable items of work forming part of the tender document. Rates of SOR for the working area at the time of floating of NIeT will be applicable.
- C. 17.3. In Case, additional items do not appear in the above Public Works Department Schedule of Rates, such items for the works will be paid at the rates entered in the Public Works (Roads) Department Schedule of Rates for the working area at the time floating of NIeT.
- C. 17.4. If the Supplementary Item(s) cannot be computed even after application of clauses stated above, rates of supplementary item(s) will be analysed to the maximum extent possible from the rates of allied items of works appearing in the current PWD Schedule of Rates (for Building / Sanitary & Plumbing / Road Works) of probable items of work for the work area at the time of execution of work.
- C. 17.5. If the rates of the Supplementary Item(s) cannot be computed even after application of clauses stated above, the same will be determined by analysis from market rates of material, labour and carriage cost prevailing at the time of execution of such items of work. Profit and overhead charges (*both together*) at 10% (*ten percent*) will be allowed only. In that case the contractual percentage will not be applicable. In such cases rates should be determined by the Superintending Engineer concerned under whom the work is being executed.

Contractual percentage shall only be applicable with regard to the portions of the analysis based on PWD Schedule of Rates as mentioned in Clauses C. 17.1., C. 17.2., C. 17.3 & C. 17.4. stated above only.

It may be noted that the cases of supplementary items of claim will not be entertained unless supported by entries in the Work Order Book or any written order from the tender accepting authority.

C. 18 Covered up works:

When one item of work is to be covered up by another item of work the later item should not be done before the former item has been measured up and has been inspected by the Engineer-in-Charge or the Sub-Divisional Officer / Assistant Engineer, as the authorized representative of the Engineer-in-Charge and order given by him for proceeding with the later item of work. When, however, this is not possible for practical reasons, the Sub-Assistant Engineer, if so authorized by the Sub-Divisional Officer / Assistant Engineer may do this inspection in respect of minor works and issue order regarding the later item.

C. 19 Approval of Sample:

Samples of all materials to be supplied by the contractor and to be used in the work will have to be approved by the Engineer-in-Charge and checking the quality of such materials will have to be done by the concerned Department or as directed by the Engineer-in-Charge prior to utilization in the work.

C. 20 Water and Energy:

The contractor will have to arrange at his own cost, required energy for operation of equipments and machineries, for operating pump set, illuminating work site, office, etc. that may be necessary in different stages of execution of work. No facility of any sort will be provided for utilization of the departmental sources of energy existing at the site of work. Arrangement for obtaining water for the work should also be made by the contractor at his

own cost. All cost for getting energy and / or for any purpose whatsoever will have to be borne by the contractor for which no claim will be entertained.

All materials, tools and plants and all labour (*skilled and unskilled*) including their housing, water supply, sanitation, light, procurement of food for contractors staff & crews, medical aids etc. are to be arranged for by the contractor at his own cost. The cost for transportation of labour, materials and all other incidental items as required for work shall also have to be borne by the Contractor without any extra claim from the Department.

Amenities for contractors:

All materials, tools and plants and all labour (skilled and unskilled) including their housing, water supply, sanitation, light, procurement of food for staff & crews, medical aids, etc. are to be arranged by the contractor at his own cost. The cost of transport of labour, materials and all other incidental items as required for work shall also have to be borne by the Contractor without any extra claim from department.

C. 21 Road open to traffic:

It should be clearly understood that the contractor will be responsible to keep the road open to all kinds of traffic during execution of the work. The work should be so arranged and the programme of work must be so adjusted as not to disturb the

smooth flow of road traffic in any way. If necessary, diversion road should be provided and maintained by the contractor at his own cost for the entire period of work, if not separately provided in the tender. The Contractor should take all necessary precautions including guarding, lighting and barricading as necessary, to guard against the chances of injury or accident to the road user and traffic and ferry users during execution of the work for which nothing extra will be paid except otherwise mentioned in the specific price schedule. The contractor will also have to indemnify the Department against consequences of any such injury or accident, if so happens and which, as per opinion of the Engineer-in-Charge is due to contractor's fault.

Suitable road sign, as and where necessary, should be provided by the contractor at his own cost as per direction of the Engineer-in-Charge and will also be maintained till the completion of the work. Road barriers, with red light at night, are to be placed where the existing surface is disturbed with proper road signs. All these should be done at the cost of the contractor without any extra claim towards the Department.

C. 22 Drawings:

All works should be carried out in conformity with the drawings supplied by this Department. The Contractor will have to carry out all the works according to the Departmental General Arrangement Drawing and Detail Working Drawings to be supplied by the Department from time-to-time.

C. 23 Serviceable Materials:

The responsibility for stacking the serviceable materials (*as per decision of the Engineer-in-Charge*) obtained during dismantling of existing structures/roads and handing over the same to the Engineer-in-Charge of work of this Department lies with the contractor and nothing will be paid on this account. In case of any loss or damage of serviceable materials prior to handing over the same to this Department, full value will be recovered from the Contractor's bill at rates as will be assessed by the Engineer-in-Charge.

C. 24 Unserviceable Materials:

The Contractor will have to remove all unserviceable materials, obtained during execution at a place as will be directed. The contractor should dress and clear the work site after completion of work as per direction of the Engineer-in-Charge. No extra payment will be made on this account.

C. 25 Contractor's risk for loss or damage:

All risk on account of railway or road carriage or carriage by boat including loss or damage of vehicles, boats, barges, materials or labour, *if any*, will have to be borne by the contractor without any extra claim from the Department.

C. 26 Idle labour & additional cost:

Whatever may be the reason, no claim on idle labour, enhancement of labour rate additional establishment cost, cost of Toll and hire and labour charges of tools and plants, railway freight etc. will be entertained under any circumstances.

C. 27 Charges and fees payable by contractor:

C. 27.1. The contractor will have to pay all fees required to be given or paid by any statute or any regulation or by-law of any local or other statutory authority which may be applicable to the works and will keep the department indemnified against all penalties and liabilities of every kind for breach of such statute, regulation or law.

- C. 27.2. The Contractor will save and indemnify the department from and against all claims, demands, suit and proceedings for or on account of infringement of any patent, rights, design, trade mark or name of other protected right in respect of any constructional plant, machine, work, materials, thing or process used for or in connection with works or temporary works or any of them.

C. 28 Issue of Departmental Tools and Plants:

All Tools and Plants required for the work will have to be supplied by the Contractor at his own cost. All cost of fuel and stores for proper running of the Tools and Plants must be borne by the Contractor.

C. 29 Realisation of Departmental claims:

Any of sum money due and payable to the contractor (*including security deposit refundable to him/her*) under this contract may be appropriated by the Government and set off against any claim of Government for the payment of sum of money arising out of this contract or under any other contract made by the contractor with the Government. If the entire claim of Government is not appropriated by this way, claim for balance amount may be appropriated as per Public Demand Recovery Act.

C. 30 Compliance of different Acts:

The contractor shall comply with the provisions of the Apprentices Act, 1961, Minimum Wages Act, 1848. Contract Labour (Regulation and Abolition) Act 1970 and the rules and orders issued hereunder from time to time. If he fails to do so, Engineer-in-Charge or Superintending Engineer of the concern Circle of P.W. Directorate may at his discretions, take necessary measure over the contract.

The Contractor shall also make himself responsible for any pecuniary liabilities arising out on account of any violation of the provision of the said Act(s). The Contractor must obtain necessary certificate and license from the concerned Registering Office under the Contract Labour (Regulation & Abolition) Act, 1970.

The contractor shall be bound to furnish the Engineer-in-Charge all the returns, particulars or date as are called for from time-to-time in connection with implementation of the provisions of the above Acts and Rules and timely submission of the same, failing which the contractor will be liable for breach of contract and the Engineer-in-Charge may at his discretion take necessary measures over the contract.

C. 31 Safety, Security and Protection of the Environment:

The Contractor shall, throughout the execution and completion of the Works and the remedying of any defects therein:

- C. 31.1. have full regard for the safety of all persons and the Works (*so far as the same are not completed or occupied by the Department*);
- C. 31.2. provide and maintain at his own cost all lights, guards, fencing, warning signs and watching, when and where necessary or required by the Engineer-in-Charge for the protection of the Works or for the safety and convenience of the public or others;

- C. 31.3. take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation;
- C. 31.4. ensure that all lights provided by the Contractor shall be screened so as not to interfere with any signal light of the railways or with any traffic or signal lights of any local or other authority.

C. 32 Commencement of work:

The work must be taken up within the date as stipulated in the work order and completed in all respects within the period specified in Notice Inviting e-Tender.

C. 33 Programme of work:

Before actual commencement of work the contractor shall submit a programme of construction of work with methodology clearly showing the required materials, men and equipment. The contractor will submit a programme of construction in the pattern of Bar Chart or Critical Path Method and a time table divided into four equal periods of progress of work to complete the work within the specific period for approval of the Engineer-in-Charge who reserves the right to make addition, alterations and substitutions to such programme in consultation with the contractor and such approved programme shall be adhered to by the contractor unless the same is subsequently found impracticable in part or full in the opinion of the Engineer-in-Charge and is modified by him/her. The contractor must pray in writing, showing sufficient reasons therein for modification of programme.

The work shall have to be executed strictly as per the time limit mentioned in this document failing which shall invite appropriate penalty as applicable.

The conditions laid down in Clause 2 of the printed tender form regarding the division of total period and progress to work and the time table there for as provided in the said clause shall be deemed to have been sufficiently complied with the actual progress of work and does not fall short of the progress laid down in the approved time table for one fourth, half and three fourth of time allowed for the work.

C. 34 Setting out of the work:

The contractor shall be responsible for the true and perfect setting out of the work and for the correctness of the position, levels, dimensions and alignments of all parts of work, if any rectification or adjustment becomes necessary the contractor shall have to do the same at his own cost according to the direction of the Engineer-in-Charge. During progress of works, if any, error appears or arises in respect of position, level, dimensions or alignment of any part of the work contractor shall at his own cost rectify such defects to the satisfaction of the Engineer-in-Charge. Any setting out that may be done or checked by either of them shall not in any way relieve the contractor from their responsibility for correctness and rectification thereof.

C. 35 Precautions during works:

The contractor shall carefully execute the work without disturbing or damaging underground or overhead service utilities viz. Electricity, Telephones, Gas, Water pipes, Sewers etc. In case disturbances of service utilities is found unavoidable the matter should immediately be brought to the notice of the Engineer-in-Charge and necessary precautionary measures as would be directed by the Engineer-in-Charge

shall be carried out at the cost and expenses of the contractor. If the service utilities are damaged or disturbed in any way by the contractor during execution of the work, the cost of rectification or restoration of damages as would be fixed by the Engineer-in-Charge concerned will be recovered from the contractor.

C. 36 Testing of qualities of materials & workmanship:

All materials and workmanship shall be in accordance with the specifications laid down in the contract and also as per specification mentioned in the relevant Schedule of Rates for Building Works (Volume - I) and Sanitary & Plumbing Works (Volume - II) and relevant IS / IRC codes and the Engineer-in-Charge reserves the right to test, examine and measure the materials / workmanship direct at the place of manufacture, fabrication or at the site of works or any suitable place. The contractor shall provide such assistance, instrument, machine, labour and materials as the Engineer-in-Charge may require for examining, measuring and testing the works and quality, weight or quantity of materials used and shall supply samples for testing as may be selected and required by the Engineer-in-Charge without any extra cost. Besides this, he will carry out tests from outside Government Laboratory as per instruction of Engineer-in-Charge. The cost of all such tests will have to be borne by the agency and that must be considered during quoting rate.

C. 37 Site Condition:

The contractor before tendering must visit the site and satisfy himself as to the extent of the proposed construction difficulties and problems, if any, to start, to continue and complete the work within the time as stipulated in this tender without dislocation of normal traffic during day as well as to night. The execution of the work should be planned and phased so that there are no undue hazards to the movement of normal traffic over the road. No additional payment will be entertained on this account.

Difficulties and inconveniences in transporting materials over the bad roads, Kutcha roads, incomplete roads and over the weak and damaged culverts should be taken into consideration by the Contractor. The materials for the work may be required to carry over kutcha roads. These approach roads should be maintained by the Contractor at his own cost.

Difficulties in collection of different materials in lot, over the road flank due to insufficient space if there be any, should be noted by the bidder. No extra rate or extra time will be allowed on these accounts. The bidder should quote his rate taking into consideration regarding security of the materials. Nothing will be entertained under any circumstances beyond the respective tendered provisions.

C. 38 Preliminaries:

During execution of the work, contractor will remain responsible for providing reasonable facilities to traffic on the road and also lighting and guarding of the road during night for its safety while the work is in progress and no extra rate will be paid on this account before taking up the work.

Approximately half of the road width including one flank should be kept clear to the traffic from all obstructions and the surface should be properly cleaned and leveled as far as possible.

Sign Boards / Direction Boards are to be erected at required points of specified size indicating in red letters on a white back ground as per direction of the Engineer-in-Charge, cost of which will have to be borne by the agency.

Road barriers should be placed wherever the existing road surface is disturbed with proper road signs. During night, these should be provided with light, Night Guard / "Chowkidar" for watching the barrier etc. should also be maintained by the Contractor to give due warning to road users, especially at night.

C. 39. Specification for Building, Sanitary & Plumbing Works& Ancillary Works and Quality Control Tests:

All works and all quality control tests should conform to specifications mentioned in the BOQ and in the NIeT and in the relevant "Schedule of Rates, Building, Sanitary & Plumbing Works of PWD, Government of West Bengal read with relevant Corrigenda and Addenda". Where the above BOQ, NIeT& SOR is silent about specification or quality control tests of any particular item of work, the same should conform to the specifications and quality control test laid down in the relevant, "Schedule of Rates of Road & Bridge Works PWD, Government of West Bengal read with relevant Corrigenda & Addenda / relevant IS / IRC Codes of practice."

C. 40 Timely completion of work:

All the supply and the work must have to be completed in all respects within the time specified in Notice Inviting e-Tender from the date of commencement as mentioned in work order. Time for completion as specified in the tender shall be deemed to be the essence of the contract.

C. 41 Procurement of materials:

All materials required to complete execution of the work will have to be supplied by the contractor after procurement from authorised and approved source.

C. 42 Rejection of materials:

All materials brought to the site must be approved by the Engineer-in-Charge. Rejected materials must be removed by the Contractor from the site within 24 hours from the issue of order to that effect. In case of non-compliance of such order, the Engineer-in-Charge will have the authority to cause such removal at the cost and expense of the contractor and the contractor will not be entitled to claim for any loss or damage on that account.

C. 43 Implied elements of work in items:

Except of such items as are included in the Specific Priced Schedule of probable items and approximate quantities no separate charges will be paid for traffic control measures, shoring, shuttering, dewatering, curing etc. and the rates of respective items or works are deemed to be inclusive of the same.

C. 44 Damaged cement:

Any cement lying at contractor's custody, which is found at the time of use to have been damaged, will be rejected and must immediately be removed from the site by the contractor or disposed of as directed by the Engineer-in-Charge at the costs and expenses of the contractor.

C. 45 Issue of Departmental Materials:

Departmental materials will not be issued under any circumstances

C. 46 Forced Closure:

In case of forced closure or abandonment of the works by the Department, the contractor will be eligible to be paid for the finished works and reimbursement of expenses actually incurred but not for any losses.

C. 47 Tender Rate:

The contractor should note that the tender is strictly based on the rates quoted by the Contractor on the priced schedule of probable item of work. The quantities for various other items of works as shown in the priced schedule of probable items of works are based on the drawings and designs prepared by the Department. If variations become necessary due to design consideration and as per actual site conditions, those will have to be done by the contractor at the time of execution at the rate prescribed in the tender condition. No conditional rate will be allowed in any case.

C. 48 Delay due to modification of drawing and design:

The contractor will not be entitled for any compensation for any loss due to delay arising out of modification of the drawing, addition & alterations of specifications, delay in issuance of drawings, etc.

C. 49 Additional Conditions:

A few additional conditions under special terms and conditions:

- C. 49.1. Rate quoted will be inclusive of clearing site including removal of surplus (*both serviceable & unserviceable*) earth, rubbish, materials etc. as per direction of the Engineer-in-Charge.
- C. 49.2. Rate quoted will be inclusive of all Taxes.
- C. 49.3. Display board (*Informatory*) of size 150 cm X 90 cm is to be provided at starting and end chainage of the work-site with aluminum plate hoisted on steel tubular pipe/ angle post to a height of 1.5 Meter at the cost of the contractor including fitting, fixing, painting, lettering etc. complete as per direction of the Engineer-in-Charge.
- C. 49.4. The Contractor is to display caution board maintaining I.S. / I.R.C. norms at his own cost as per direction of the Engineer-in-Charge.
- C. 49.5. Deep excavation of trenches left out for days should be avoided.
- C. 49.6. Labour Welfare CESS will be deducted @ 1% (*one percent*) of gross bill value as per rule, *if applicable*.
- C. 49.7. The whole work will have to be executed as per Departmental drawings available in this connection at the tendered rate.
- C. 49.8. Income Tax will be deducted from each bill of the contractor as per applicable rate and rules in force.

C. 50 Royalty:

The Contractor will have to comply the relevant rules and regulations and laws of the land in this regard.

C. 51 Night Work:

The contractor shall not ordinarily be allowed to execute the work at night. The contractor may however, have to execute the work at night, if instructed by the Engineer-in-Charge. For true technical or emergent reasons, the work may require to be executed during the night also according to the instruction of the Engineer-in-Charge. In that case the contractor shall have to arrange for separate set of labour with sufficient and satisfactory lighting arrangement for the night work. No extra payment whatsoever in this respect will be made to the contractor.

C. 52 Working condition:

During execution of work, contractor will remain responsible for providing unhindered passage to traffic on road adjacent to site, providing lighting and guarding arrangement during night for safety and no extra cost will be paid on this account.

Work may be required to be executed at night also. Accordingly sufficient lighting arrangement is to be made by the bidder and the cost of such arrangement shall be deemed to have been included in the rates of relevant items.

It is to be noted that there will not be any electrical facility at work site. Bidder should make his own arrangement for water, necessary power of lighting, welding, running of pumps etc. and the cost for such arrangement shall be deemed to have been included in the rates quoted by the bidder.

SECTION-D

**Additional Terms & Conditions and
specification for Electrical works**

D. 1. The contractor shall meet the following required eligibility criteria for electrical component of work.

D. 1.1. The contractor shall have at least the following technical person:

D. 1.1.1. One Degree holder and One Diploma holder Electrical Engineer in full time engagement with the bidder for this work.

D. 1.1.2. One Electrical Supervisor having valid Electrical Supervisor's Certificate of competency issued by the West Bengal Licensing Board, Government of West Bengal in full time engagement with the bidder for this work.

D. 1.1.3. The supervisor deployed by the contractor should have valid Electrical SCC Part No. 1, 2, 4, 7A & 11 issued by the West Bengal Licensing Board, Government of West Bengal.

D. 1.2. The contractor shall have to meet the following requirements:

D. 1.2.1. The contractor shall have valid Electrical Contractor's License issued by the West Bengal Licensing Board, Government of West Bengal.

D. 1.2.2. The contractor shall have valid Electrical supervisory certificate having SCC Part No. 1, 2, 4, 7A & 11 issued by the West Bengal Licensing Board, Government of West Bengal.

D. 1.2.3. The contractor shall have to ensure presence of at least one licensed Electrical Supervisor, as stated in Clause No. D. 1.1.2. & D. 1.1.3. above during execution of Electrical Works.

D. 1.3. The contractor shall have at least one no. of each of the following equipments:

D. 1.3.1. Insulation Tester (500 V, 1 KV, 2 KV Megger)

D. 1.3.2. Earth Megger

D. 1.3.3. Digital Multi-meter

D. 1.3.4. Tong Tester

D. 1.3.5. Drilling Machine

D. 1.3.6. Crimping Machine

D. 1.3.7. Lux Meter

D. 2. The Superintending Engineer of concerned Circle, **Municipal Engineering Directorate**, Government of West Bengal will act as Nodal Superintending Engineer. The **Executive Engineer, Murshidabad Division, M.E. Directorate, Government of West Bengal** shall be the Nodal Engineer-in-Charge of the work. **As and when required they will take assistance from the E&M Sector of KMDA as per G.O. No.-345/MA/N/Estt(MED)/2M-19/2017 Dated 22.11.17.** Single tender comprising of both civil and electrical works shall be invited by the **concerned Superintending Engineer, MED.** After the work is awarded, the Nodal Executive Engineer will send copy of agreement to the **E&M Sector of KMDA. The E&M Sector, KMDA** shall operate electrical part of the agreement.

- D. 3 The contractor will give detailed execution programme of the electrical work to the E&M Sector, KMDA through the **Executive Engineer Murshidabad ,MED,** Government of West Bengal and it will be the part of his agreement with the Department. The contractor will indicate time / stage of the work in the work programme.
- D. 4 Supervision of Civil and Electrical components of works will be carried out by concerned wings of the Department under overall coordination of the Nodal Superintending Engineer / Nodal Engineer in charge as the case may be.
- D. 5 Payment to the contractor for the work shall be made through **the State Mission Director, DAY-NULM and Director, SUDA, West Bengal. Nodal Engineer-in-Charge of the work will submit the 'passed for payment' Bill to the State Mission Director, DAY-NULM and Director, SUDA, West Bengal,** on getting the recorded Measurement Book(s) with requisite certificates for making payment to the contractor from the concerned Engineer-in-Charge of the electrical works.
- D. 6 Final Bill for whole work shall be finalized and paid by the Nodal Executive Engineer of the work.
- D. 7 The **E&M Sector, KMDA** will be competent authority for deciding reduced rates for electrical component of work, if any. Date of completion of all components of work will be same. Levy of compensation under relevant clause of West Bengal Form No. 2911(ii) as-well-as fair and reasonable extension of time will be decided by the Nodal Superintending Engineer-in-Charge of the work, in consultation with the **E&M Sector, KMDA** in respect of electrical works only.

Nodal Executive Engineer-in-Charge of the work shall be competent authority to give fair and reasonable extension of time under provision of relevant clause of West Bengal Form No. 2911(ii) and Nodal Superintending Engineer-in-Charge of the work shall be competent authority to reschedule milestones of the work.

- D. 8 Same milestones shall be applicable for all components of work. The agency will ensure that the components of the work are executed in time without giving any change for slippage of milestones of the project. The amount to be withheld under relevant clause West Bengal Form No. 2911(ii) of the contract will be decided by the Nodal Executive Engineer of the work in consultation with the **E&M Sector, KMDA** for electrical works. In the event of not achieving the necessary milestones as assessed from milestone bar chart, specified percentage of the tendered value of work will be withheld for failure of each milestone.
- D. 9 The contractor shall make available one supervisor for attending day-to-day complaints from the date of testing & commissioning and upto the end of period of six months from the date of completion of the work as part of this contract at no extra cost.
- D. 10 The work shall be carried out as per PWD specification for electrical work amended upto date and as per additional specification and conditions for this work.

- D. 11 The materials shall be procured only from the manufacturers and their authorised dealers and documentary proof for such procurement and supply shall be produced by the contractor.
- D. 12 The Department reserves the right to send such material to the manufacturers / authorised test laboratory to verify the genuineness and quality of product.
- D. 13 The contractor advised to visit the site before quoting for this tender to apprise himself about the site environments and other conditions. Drawing and inventories, if any, can be seen in the Office of the **E&M Sector, KMDA** for electrical component of work.
- D. 14 The electrical work shall be progressed with progress of civil work. No claim of the contractor shall be entertained by the Department for the idle labour.
- D. 15 The conduit shall be laid in the RCC slab in general well before their concreting and in walls well before their plastering and in polythene pipes as per instruction of Engineer-in-Charge for electrical work. The actual run of conduit and size of the boxes are to be marked on the drawing by the contractor and got approved from Engineer-in-Charge for electrical work before erection at site.
- D. 16 All concealed and earthing work shall be done in presence of the Engineer-in-Charge for electrical work or his authorised representative.
- D. 17 The contractor shall be responsible for any damage done to the building or electrical installation during the execution of the work. Damage, if any, shall have to be made good by the contractor at his own cost failing which the same shall be got rectified / made good at the risk and cost of the contractor.
- D. 18 The work shall be carried out in engineering like manner and bad workmanship shall be rejected summarily. For redoing the job, no claim of the contractor shall be entertained on this account.
- D. 19 The site shall be cleared of malba, debris caused by working at the site by the contractor without any extra cost to the Department.
- D. 20 The contractor or his authorised representative shall sign the site order book and comply with the remarks entered therein by the representative of the Department.
- D. 21 The contractor will ensure that all the skilled persons managed / deployed for executing the electrical work possess the wireman license by approved authorities. Consequences arising due to the default of the contractor to comply with this condition would be contractor's responsibility only.
- D. 22 The contractor will make his own arrangement for storage of his own material, and if issued to him departmentally. The material shall be issued to him from ULB store, if any. The watch and ward of the materials and of the installation would be responsibility of the contractor till the work is completed / handed over to the Department. Nothing extra shall be paid to the contractor on this account. The contractor shall make his own arrangement for carriage of materials, fitting, cable, etc., issued to him departmentally from the store to the site of work at his own cost. Nothing extra shall be paid to the contractor on this account.

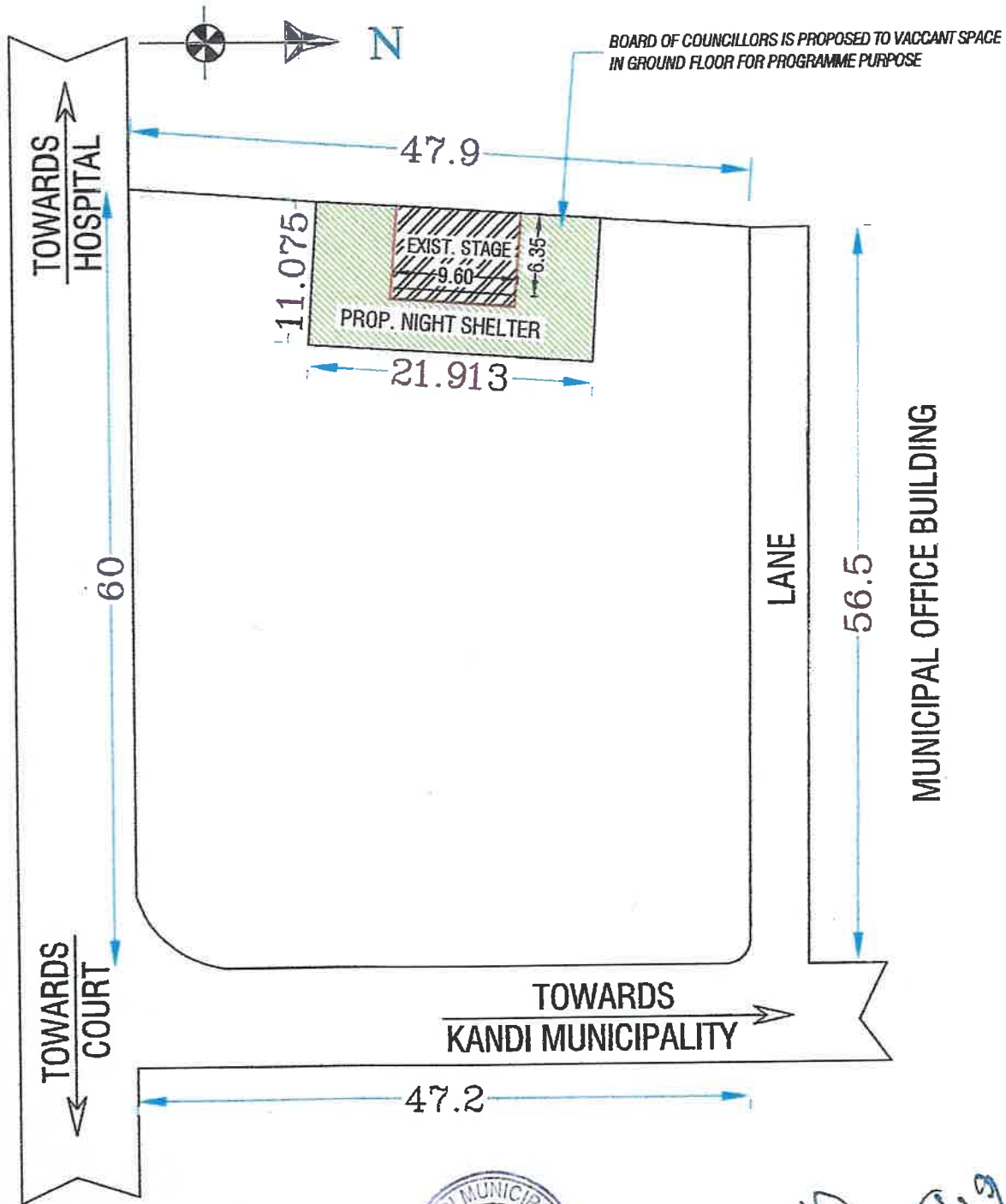
- D. 23 All the DB's switchgears shall have identification marking on them written in white paint. Nothing extra shall be paid on this account.
- D. 24 Earth points with studs are to be provided on each of switchboards / DBs.
- D. 25 The MCBDB made of MS sheet should not be less than 1.6 MM thick and left out MCB outlets of the sheet enclosures (not occupied by the MCBs) shall be covered with blanking plates.
- D. 26 All hardware, fastening material viz. nuts, bolts, washers and screws etc. to be used on work shall be of Zinc / Cadmium plated iron.
- D. 27 All the materials should be ISI marked where ever not specified. If ISI marked material is not available it should be conforming to BIS specification amended upto date.
- D. 28 The contractor shall have to furnish the insulation test report, earth report, along with all required details of electrical load on the prescribed proforma for the electric connection from the supply company.
- D. 29 The contractor shall submit the completion certificates and completion plans as per general specification for electrical work.
- D. 30 The chases in wall shall be done by chase cutting machines, for which contractor shall arrange adequate number of chase cutting machines (chase cutters) for cutting chases in wall etc. for laying of conduits.
- D. 31 If any extra substitution and deviations are required in the item of work during execution of work that should have take prior approval from the competent authority of electrical work.



Superintending Engineer Central Circle,
Municipal Engineering Directorate,
Government of West Bengal

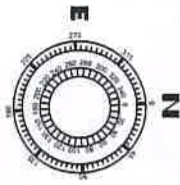
SITE PLAN OF PROPOSED G+4, FIFTY (50) BEDED NIGHT SHELTER FOR URBAN HOMELESS UNDER NULM PROJECT OF KANDI MUNICIPALITY, PLOT NO 1268, MOUZA: RUPPUR

ALL DIMENSION ARE IN METER



S. A. E.
KANDI MUNICIPALITY
Kandi Municipality

16/11/19
CHAIRMAN
KANDI MUNICIPALITY



TOWARDS
HOSPITAL

47900

REVISED PROPOSAL OF PROPOSED STRUCTURE

EXISTING STAGE TO BE RELOCATED HERE

20182

13172

9600

15272

6350

13829

LANE

56500

TOWARDS
COURT

TOWARDS
KANDI MUNICIPALITY

47200

Layout Plan of Proposed G+2, SUH Building Under NULM, Kandi Municipality

AS
21/07/21

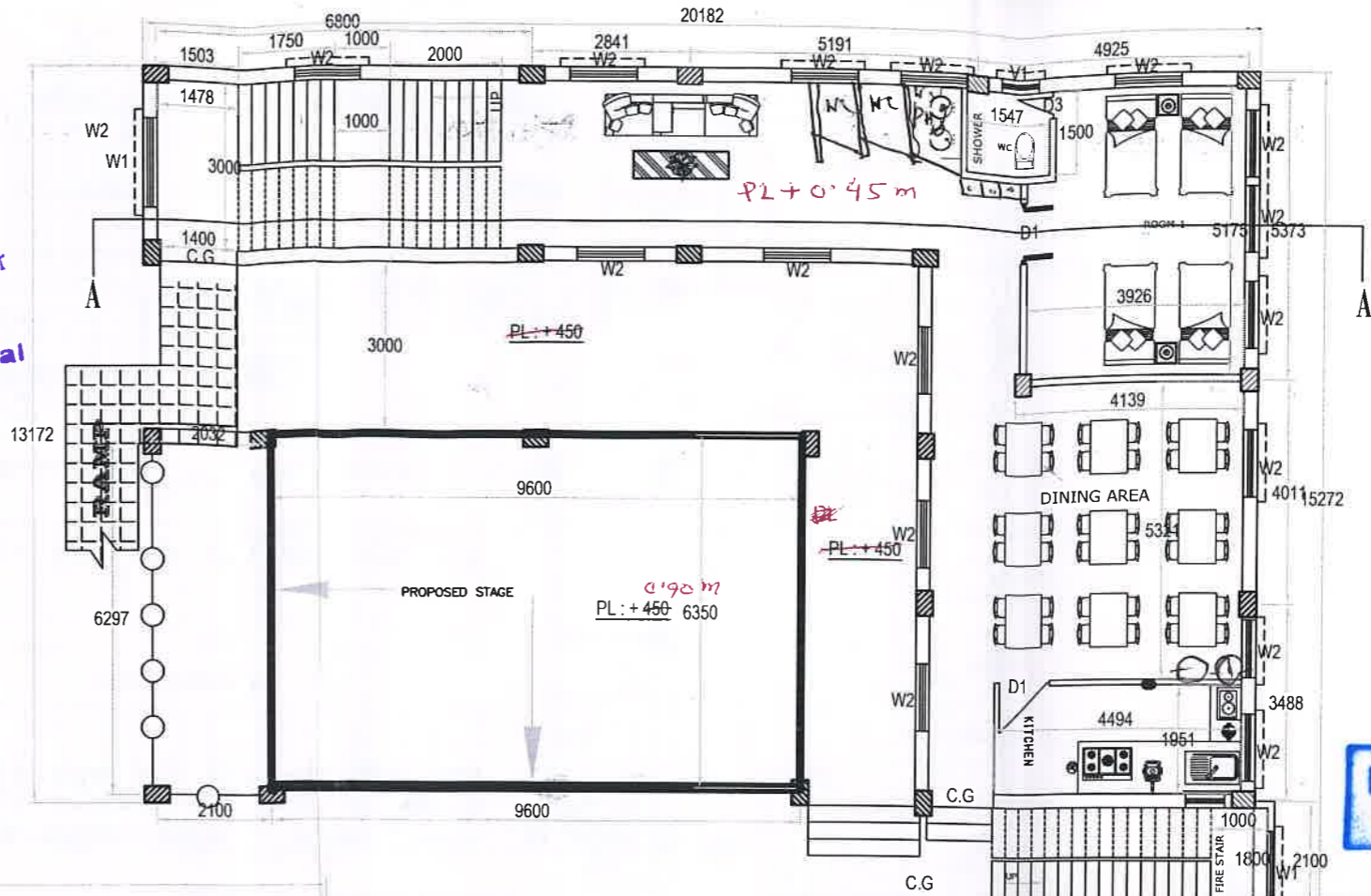
Engineer-in-charge
Kandi Municipality

[Signature]
Chairperson
Board of Administrators
Kandi Municipality

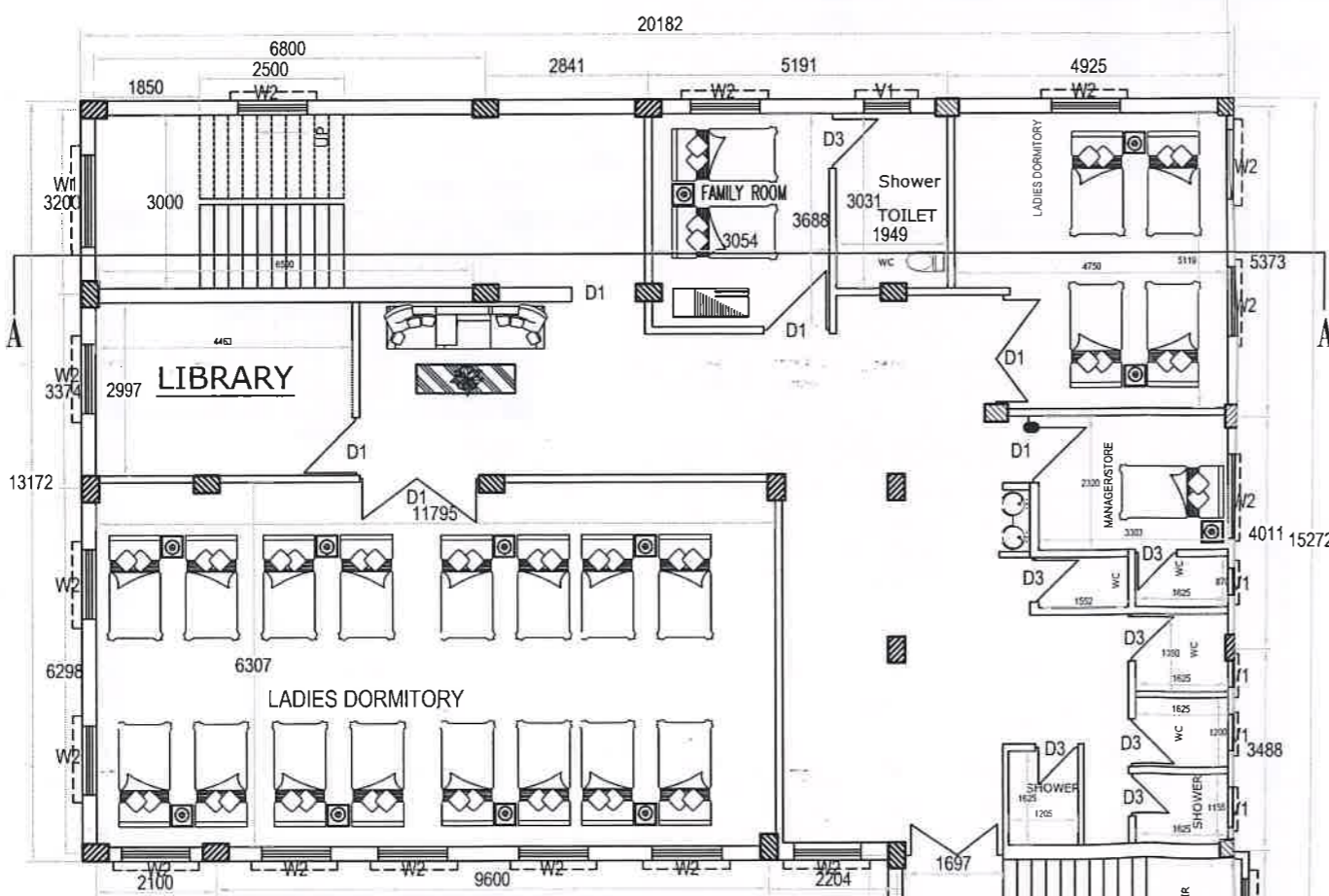
J. Choudhury
25/08/21
Superintending Engineer
Central Circle
M. E. Dte.
Govt. of West Bengal

AE
24/8/21
Assistant Engineer
S.E. Central Circle
M. E. Dte., Malda
Govt. of West Bengal

AE
25/8/21
(Animesh Ray)
Executive Engineer
Central Circle
Municipal Engineering Directorate
Govt. of West Bengal



AE
23/07/21
Engineer-in-charge
Kandi Municipality



1ST FLOOR PLAN
(Scale 1:100)

Note :-Floor to Floor Height-3.00m

GROUND FLOOR PLAN

(Scale 1:100)

Note :-Floor to Floor Height-5.00m

GENERAL NOTES:

- UNLESS OTHERWISE SPECIFIED ALL DIMENSION & LEVELS ARE IN MM.
- UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT STEEL SHALL BE OF GRADE Fe500 .
- UNLESS OTHERWISE SPECIFIED CONCRETE MIX SHALL BE OF GRADE M20 .
- COVER TO MAIN REINF. SHALL BE AS FOLLOWS:-
a) COLUMN- 40 MM.
b) BEAM -25 MM.
c) FLOOR SLAB - 20 MM.
d) FOUNDATION SLAB BEAM - 50 MM.

D1	1100 X2100
D3	750 X2100
W1	1500 X1350
W2	1200 X1350
V1	900 X600
C.G	1800 X2100

Chairperson
Board of Administrators
Kandi Municipality

Note :- (Sec "A-A" Shown in page 3)

AE
29/07/2021
ASSISTANT ENGINEER
Murshidabad Division
M.E Directorate
Dept. of Municipal Affairs
Govt. of West Bengal

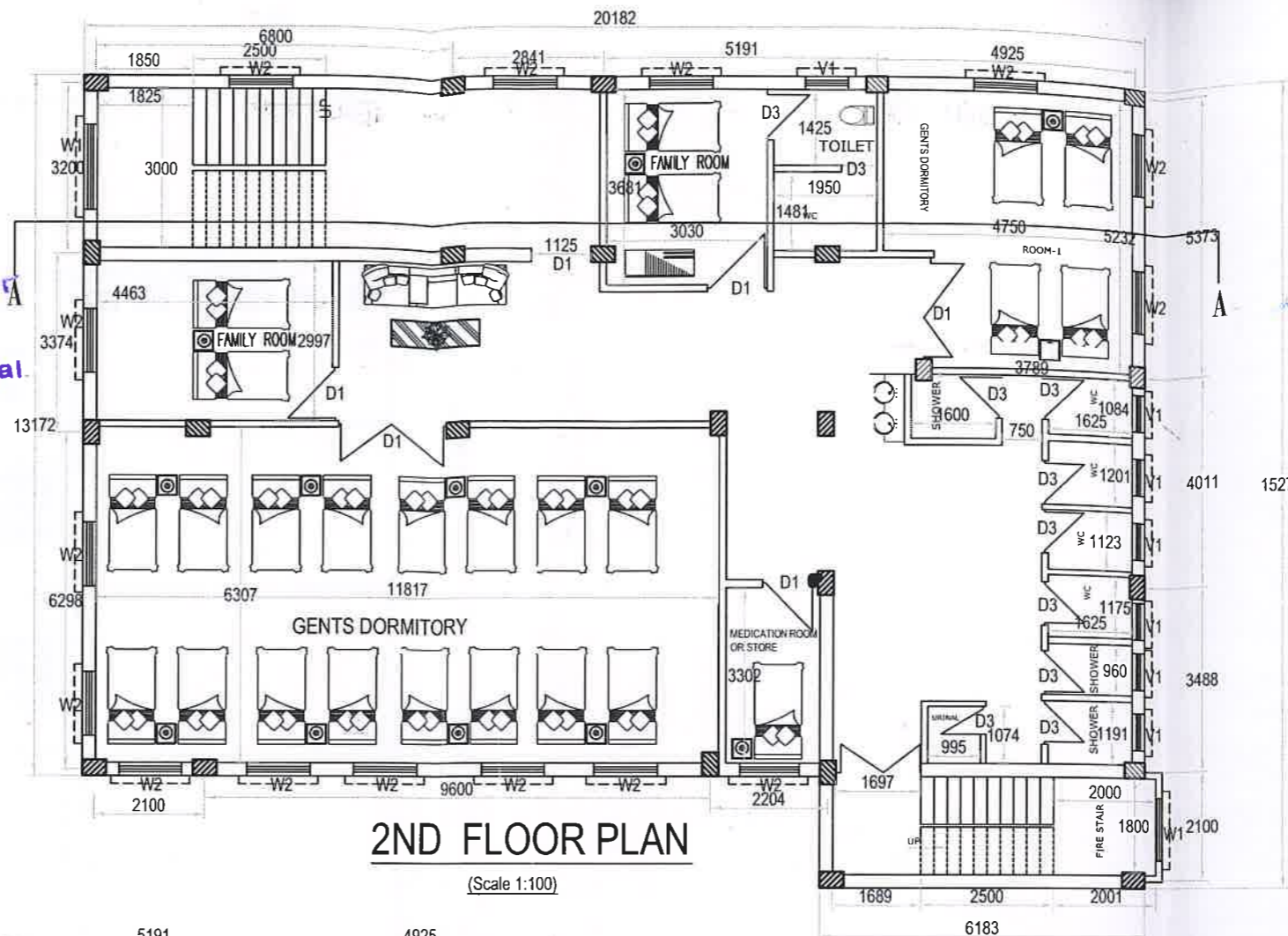
My Ananta
30.07.21
EXECUTIVE ENGINEER
MURSHIDABAD DIVISION M.E.DTE.

PROJECT CONSTRUCTION OF PROPOSED SHELTER (G+2 BUILDING) FOR URBAN HOMELESS UNDER DAY- NULM WITHIN KANDI MUNICIPALITY				
Sheet Details: GROUND FLOOR & 1st FLOOR PLAN				
OFFICE OF THE EXECUTIVE ENGINEER, M.E.Dte, Murshidabad Division				
SCALE - 1:100	DATE	DRAWING NUMBER	SHEET NO.	REV.
DRAWN BY :			1 OF 7	
APPROVED BY :				
AE	EE	SE		

J. Chaudhri
25/08/21
Superintending Engineer
Central Circle
M. E. Div.
Govt. of West Bengal

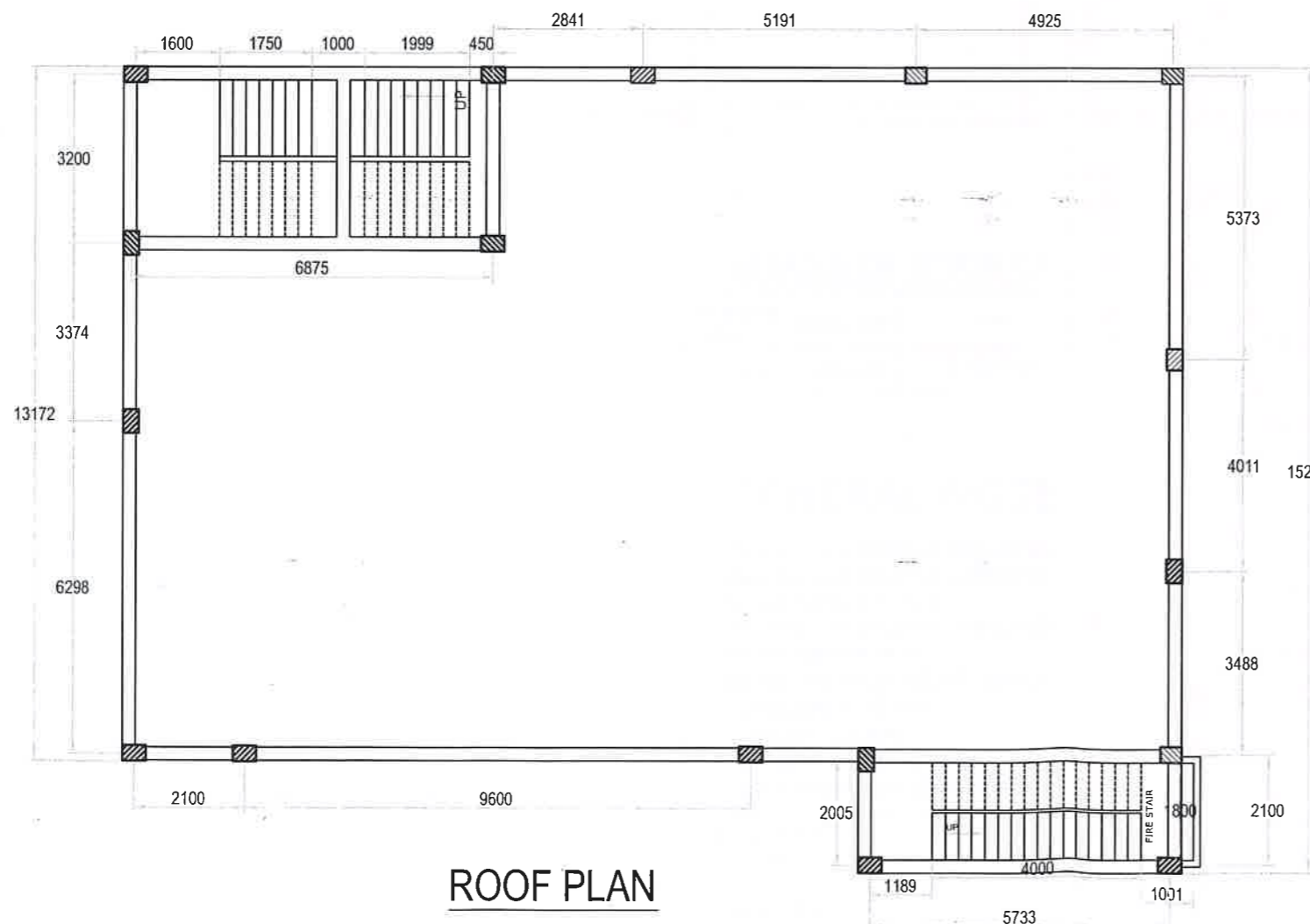
Assistant Engineer
S.E. Central Circle
M.E. Div., Malda
Govt. of West Bengal

(Animesh Ray)
Executive Engineer
Central Circle
Municipal Engineering Directorate
Govt. of West Bengal



Engineer-in-charge
Kandi Municipality

Note :-Floor to Floor Height-3.00m



GENERAL NOTES:

- UNLESS OTHERWISE SPECIFIED ALL DIMENTION & LEVELS ARE IN MM.
- UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT STEEL SHALL BE OF GRADE Fe500 .
- UNLESS OTHERWISE SPECIFIED CONCRETE MIX SHALL BE OF GRADE M20 .
- COVER TO MAIN REINF. SHALL BE AS FOLLOWS:-
 - COLUMN- 40 MM.
 - BEAM -25 MM.
 - FLOOR SLAB - 20 MM.
 - FOUNDATION SLAB BEAM - 50 MM.

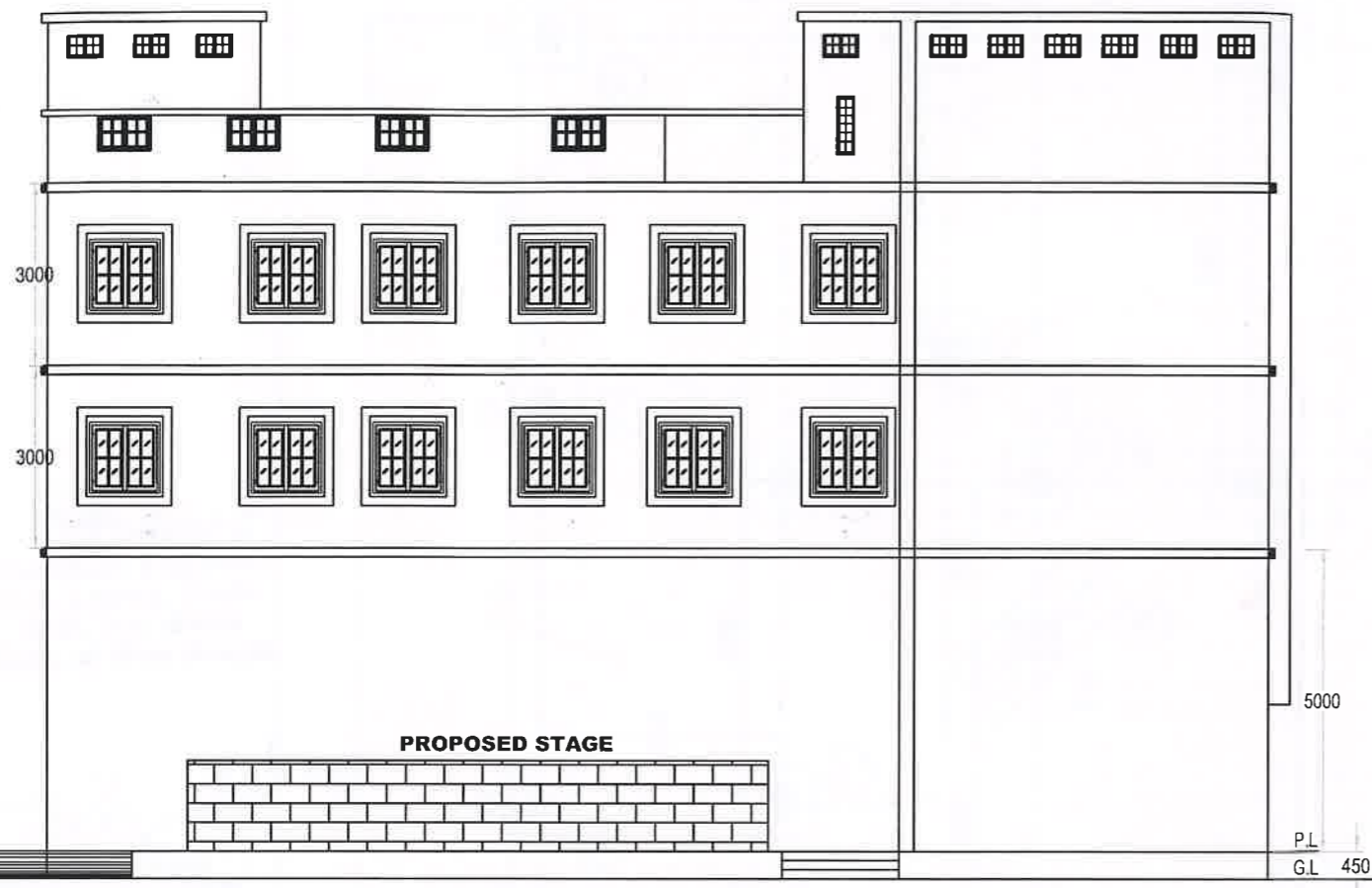
D1	1100 X2100
D3	750 X2100
W1	1500 X1350
W2	1200 X1350
V1	900 X600
C.G	1800 X2100

Note :- (Sec "A-A" Shown in page 3)

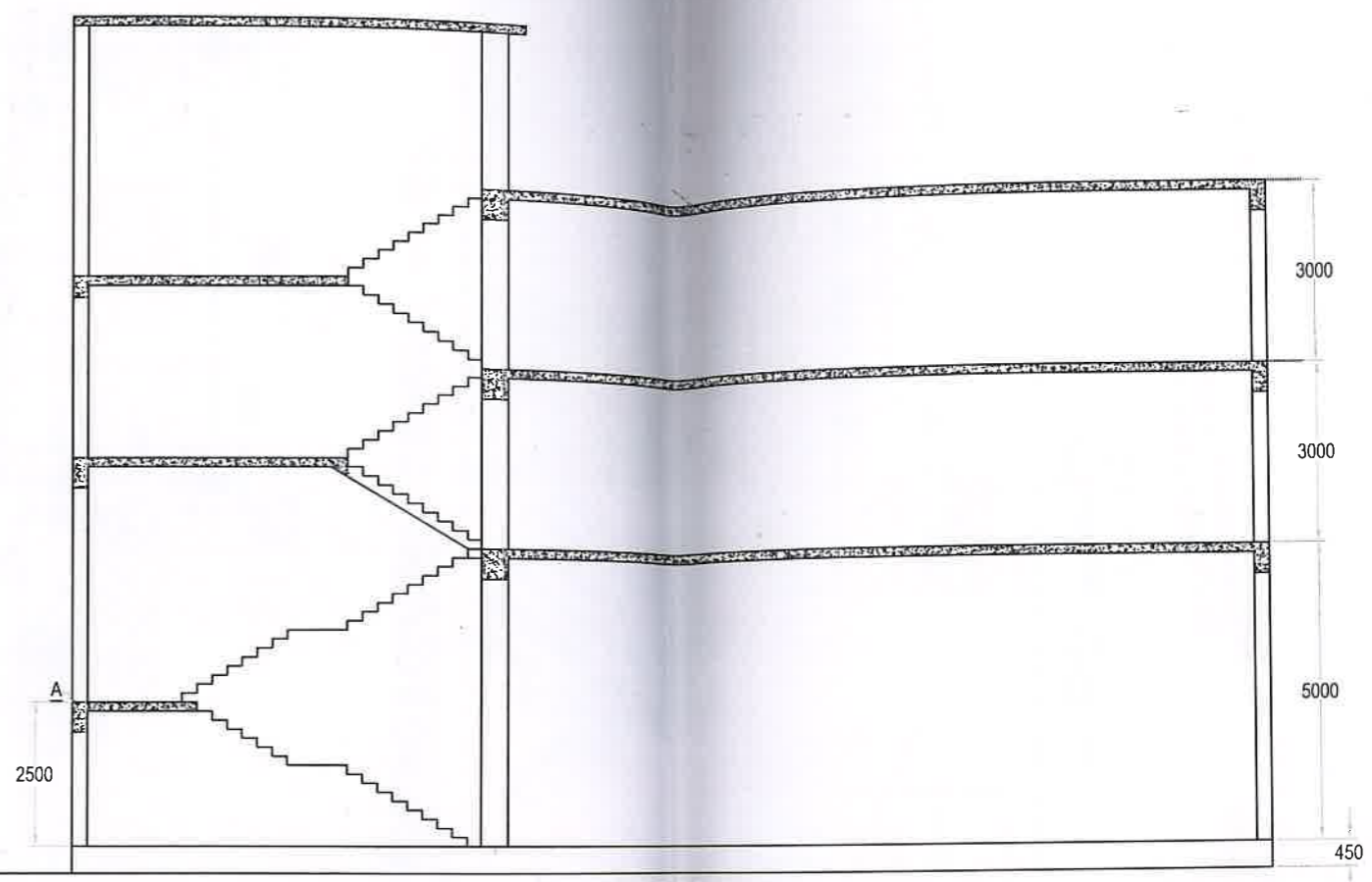
29/07/2021
ASSISTANT ENGINEER
Murshidabad Division
ME Directorate
Dept. of Municipal Affairs
Govt. of West Bengal

30.08.21
EXECUTIVE ENGINEER
MURSHIDABAD DIVISION M.E.DTE.

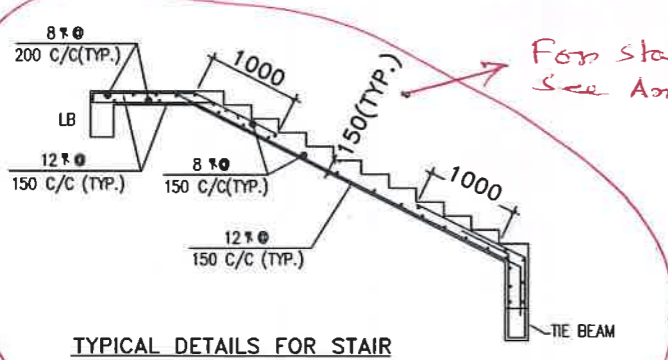
PROJECT	CONSTRUCTION OF PROPOSED SHELTER (G+2 BUILDING) FOR URBAN HOMELESS UNDER DAY- NULM WITHIN KANDI MUNICIPALITY			
Sheet Details:	2ND FLOOR PLAN & ROOF PLAN		Chairperson Board of Administrators Kandi Municipality	
OFFICE OF THE EXECUTIVE ENGINEER, M.E.Dte, Murshidabad Division				
SCALE -	1:100	DATE	DRAWING NUMBER	SHEET NO.
DRAWN BY:				2 OF 7
APPROVED BY:				
AE	EE	SE		



ELEVATION
(Scale 1:100)



SECTION A-A
(Scale 1:1)



TYPICAL DETAILS FOR STAIR

DETAILS OF STAIR CASE BEAM

A FLBEAM MKD.	BEAM SIZE	TOP	BOTTOM
STAIR	300x450	3-20φ 2-16φ TOR	3-20φ 2-16φ TOR

GENERAL NOTES:

- UNLESS OTHERWISE SPECIFIED ALL DIMENTION & LEVELS ARE IN MM.
- UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT STEEL SHALL BE OF GRADE Fe500 .
- UNLESS OTHERWISE SPECIFIED CONCRETE MIX SHALL BE OF GRADE M20 .
- COVER TO MAIN REINF. SHALL BE AS FOLLOWS:-
 - COLUMN- 40 MM.
 - BEAM -25 MM.
 - FLOOR SLAB - 20 MM.
 - FOUNDATION SLAB BEAM - 50 MM.

[Signature]
Engineer-in-charge
Kandi Municipality

[Signature]
 29/07/2021
ASSISTANT ENGINEER
 Murshidabad Division
 M.E Directorate
 Dept. of Municipal Affairs
 Govt. of West Bengal

[Signature]
 30.07.21
EXECUTIVE ENGINEER
 MURSHIDABAD DIVISION M.E.D

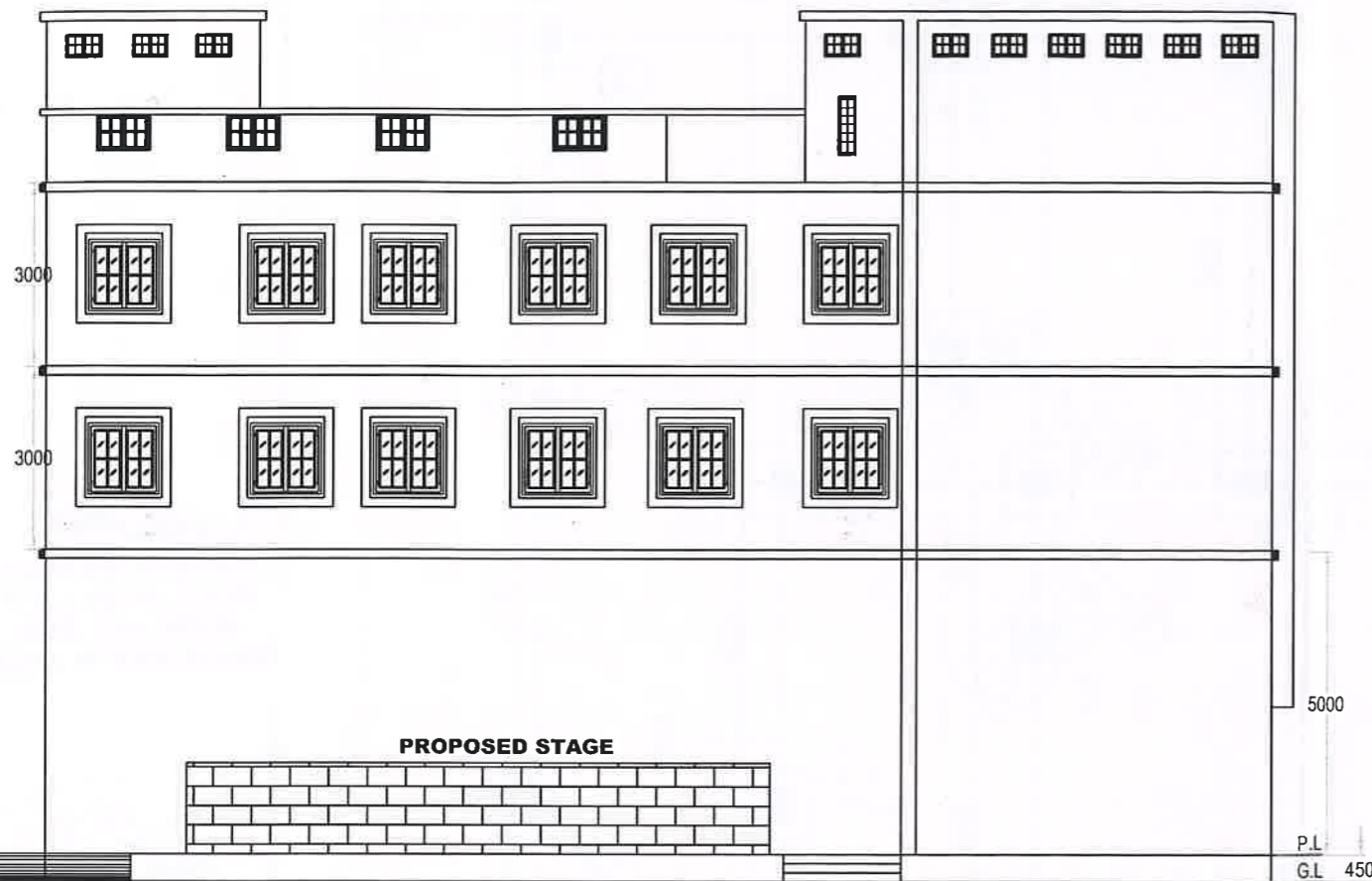
[Signature]
 24/8/21
Assistant Engineer
 S.E. Central Circle
 M.E. Dept, Malda
 Govt. of West Bengal

[Signature]
 25/08/21
(Animesh Ray)
Executive Engineer
 Central Circle
 Municipal Engineering Directorate
 Govt. of West Bengal

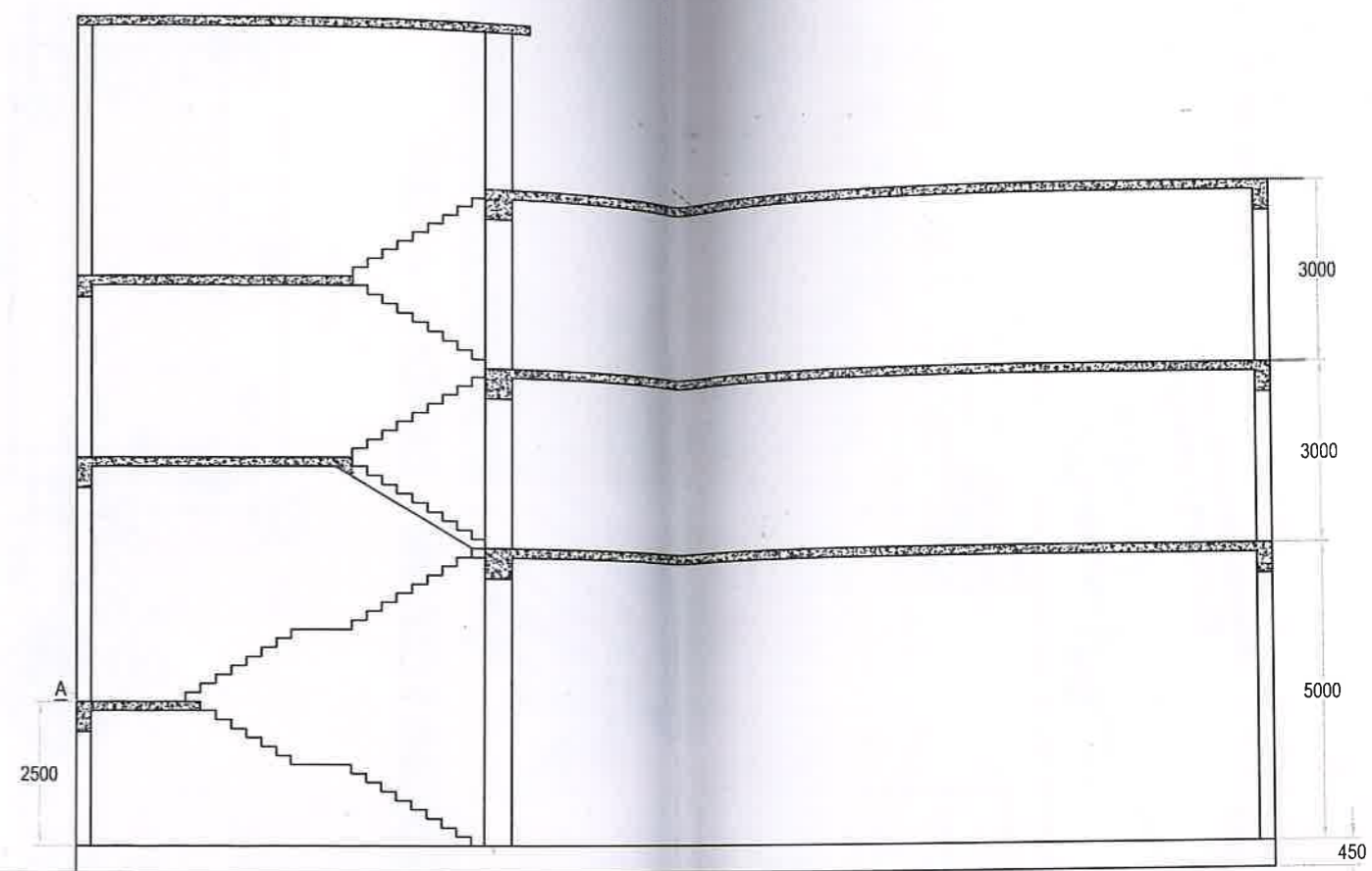
[Signature]
 25/08/21
Superintending Engineer
 Central Circle
 M. E. Dte.
 Govt. of West Bengal

[Signature]
Chairperson
Board of Administrators
Kandi Municipality

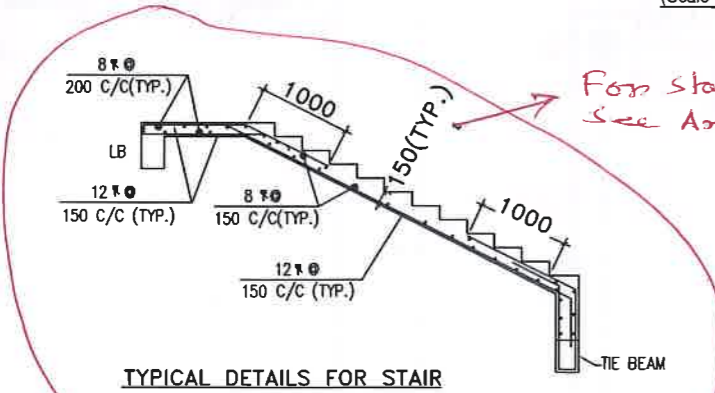
PROJECT CONSTRUCTION OF PROPOSED SHELTER (G+2 BUILDING) FOR URBAN HOMELESS UNDER DAY- NULM WITHIN KANDI MUNICIPALITY					
Sheet Details: ELEVATION & SECTION					
OFFICE OF THE EXECUTIVE ENGINEER, M.E.Dte, Murshidabad Division					
SCALE - 1:100	DATE	DRAWING NUMBER	SHEET NO. 3 OF 7	REV.	
DRAWN BY:					
APPROVED BY:					
AE	EE	SE			



ELEVATION
(Scale 1:100)



SECTION A-A
(Scale 1:1)



DETAILS OF STAIR CASE BEAM

A FLBEAM MKD.	BEAM SIZE	TOP	BOTTOM
STAIR	300x450	3-20φ 2-16φ TOR	3-20φ 2-16φ TOR

22/07/21
Engineer-in-charge
Kandi Municipality

29/07/2021
ASSISTANT ENGINEER
 Murshidabad Division
 M.E Directorate
 Dept. of Municipal Affairs
 Govt. of West Bengal

30.07.21
EXECUTIVE ENGINEER
 MURSHIDABAD DIVISION M.E.D

GENERAL NOTES:

- UNLESS OTHERWISE SPECIFIED ALL DIMENTION & LEVELS ARE IN MM.
- UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT STEEL SHALL BE OF GRADE Fe500 .
- UNLESS OTHERWISE SPECIFIED CONCRETE MIX SHALL BE OF GRADE M20 .
- COVER TO MAIN REINF. SHALL BE AS FOLLOWS:-
 - COLUMN- 40 MM.
 - BEAM -25 MM.
 - FLOOR SLAB - 20 MM.
 - FOUNDATION SLAB BEAM - 50 MM.

[Signature]
 Chairperson
 Board of Administrators
 Kandi Municipality

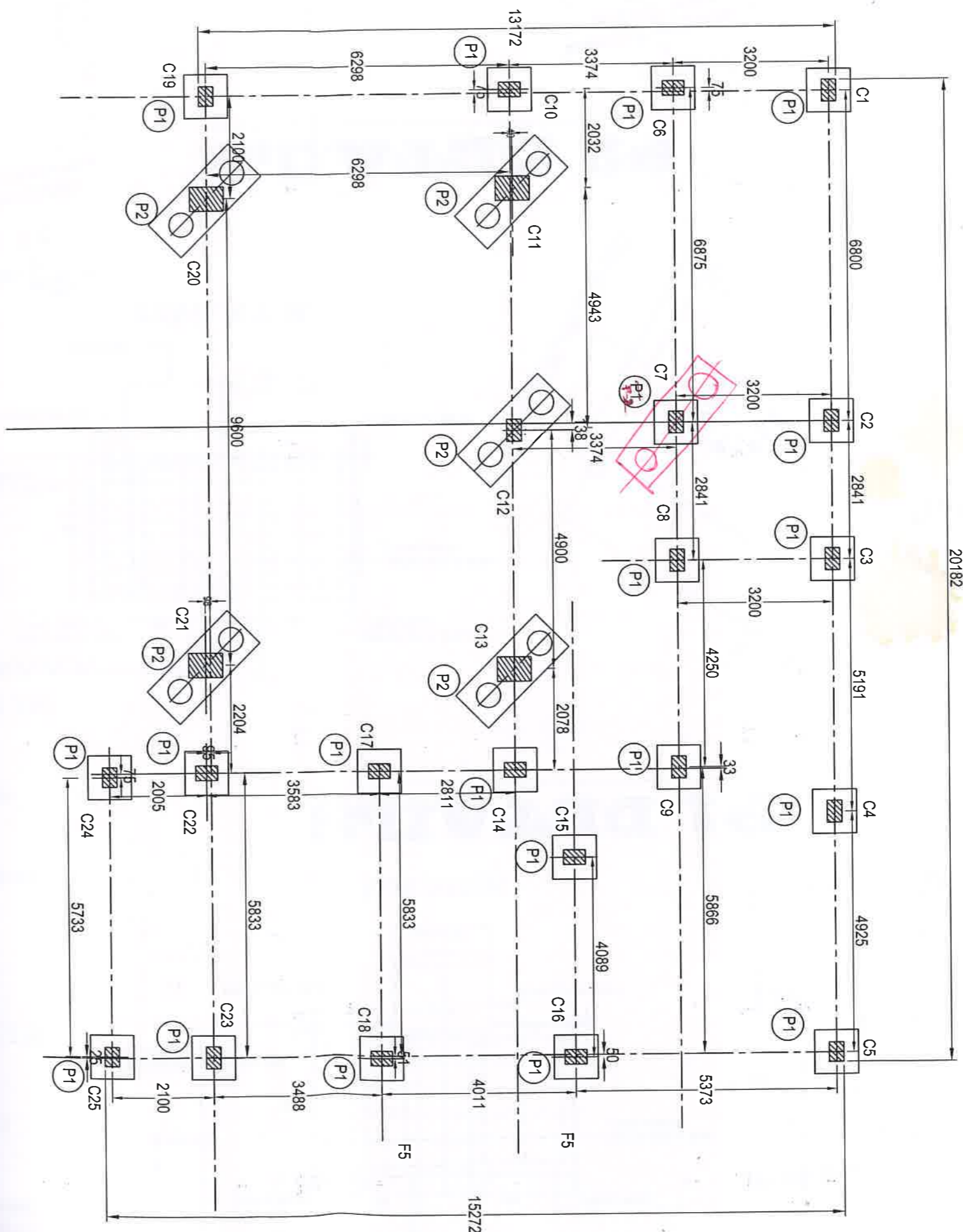
24/8/21
Assistant Engineer
 S.E. Central Circle
 M.E. Dept. Murshidabad
 Govt. of West Bengal

25/08/21
(Animesh Ray)
Executive Engineer
 Central Circle
 Municipal Engineering Directorate
 Govt. of West Bengal

[Signature]
Superintending Engineer
 Central Circle
 M. E. Dte.
 Govt. of West Bengal

PROJECT CONSTRUCTION OF PROPOSED SHELTER (G+2 BUILDING) FOR URBAN HOMELESS UNDER DAY- NULM WITHIN KANDI MUNICIPALITY				
Sheet Details:		ELEVATION & SECTION		
OFFICE OF THE EXECUTIVE ENGINEER, M.E. Dte, Murshidabad Division				
SCALE - 1:100	DATE	DRAWING NUMBER	SHEET NO. 3 OF 7	REV
DRAWN BY:				
APPROVED BY:				
AE	EE	SE		

(Anillesh Ray)
 Executive Engineer
 Central Engineering Directorate
 Municipal Govt. of West Bengal
 20182
 (M. E. Dte.)
 Assistant Engineer
 S.E. Central Circle
 M.E. Murshidabad
 Govt. of West Bengal
 24/8/21



LAYOUT PLAN OF FOOTING & COLUMN GENERAL NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENTION & LEVELS ARE IN MM.
2. UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT STEEL SHALL BE OF GRADE Fe500.
- UNLESS OTHERWISE SPECIFIED CONCRETE MIX SHALL BE OF GRADE M20.
- COVER TO MAIN REINF. SHALL BE AS FOLLOWS:-
 - a) COLUMN- 40 MM.
 - b) BEAM - 25 MM.
 - c) FLOOR SLAB - 20 MM.
 - d) FOUNDATION SLAB DEAM - 50 MM.

COLUMN MKD.	SIZE	REINFORCEMENT	STIRRUPS
C1-C7, C18	450X300	4-16T+4-16T	8T@150C/C
C3, C4, C8, C9, C15, C16, C19, C11, C12, C13, C20, C21	700X500	4-20Ø+4-20Ø TOR	10T@150C/C
C5, C19, C24, C25	400X300	6-16T	8T@150C/C
C12	500X400	8-16T	8T@150C/C
C6, C7, C22, C23, C1, C2	450X300	4-20Ø+4-16Ø TOR	8T@150C/C

PROJECT: Construction of proposed shelter (G+2 BUILDING) FOR URBAN HOMELESS UNDER DAY - NULM WITHIN KANDI MUNICIPALITY			
Sheet Details: Foundation Layout Plan including column Details			
OFFICE OF THE EXECUTIVE ENGINEER, M.E. Dte, Murshidabad Division			
SCALE -	1:100	DATE	
DRAWN BY:	EE	DRAWING NUMBER	
APPROVED BY:	SE	SHEET NO.	4 OF 7
AE		REV.	

22/07/21

30.07.21

25/08/21

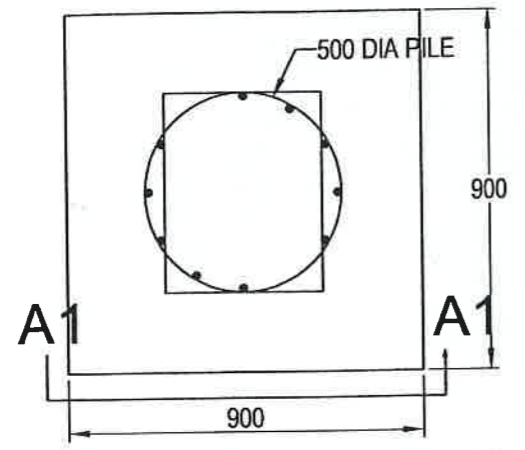
Engineer-in-charge
Kandi Municipality

Chairperson
Board of Administrators
Kandi Municipality

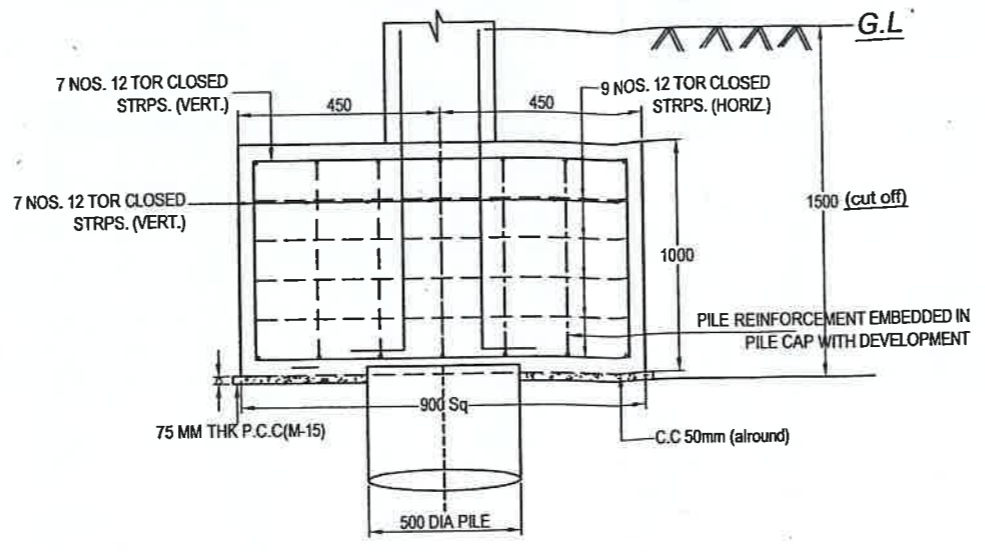
EXECUTIVE ENGINEER
MURSHIDABAD DIVISION M.E.DTE.

Superintending Engineer
Central Circle
M. E. Dte,
Govt. of West Bengal

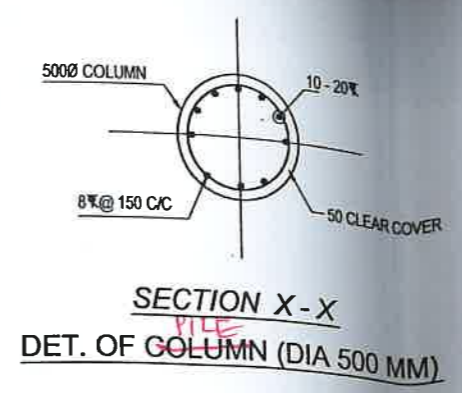
Plan of single pile cap(P1)



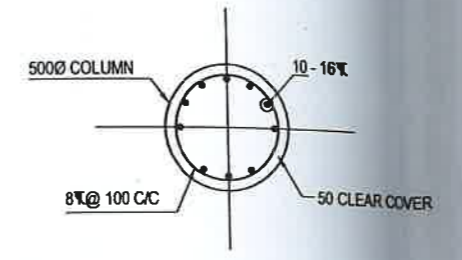
P1 DETAILS



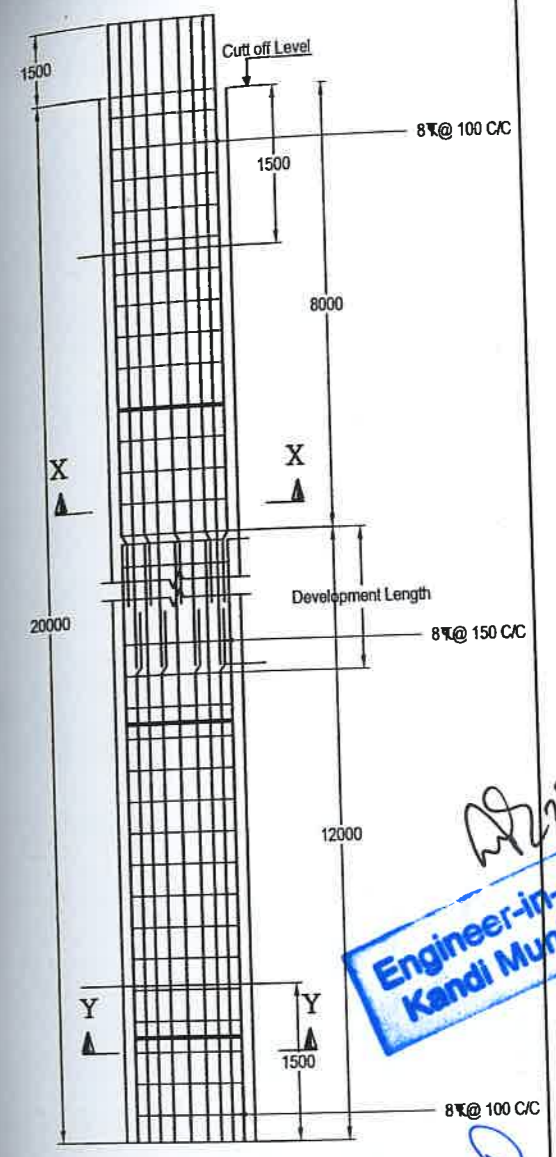
SECTION A1-A1



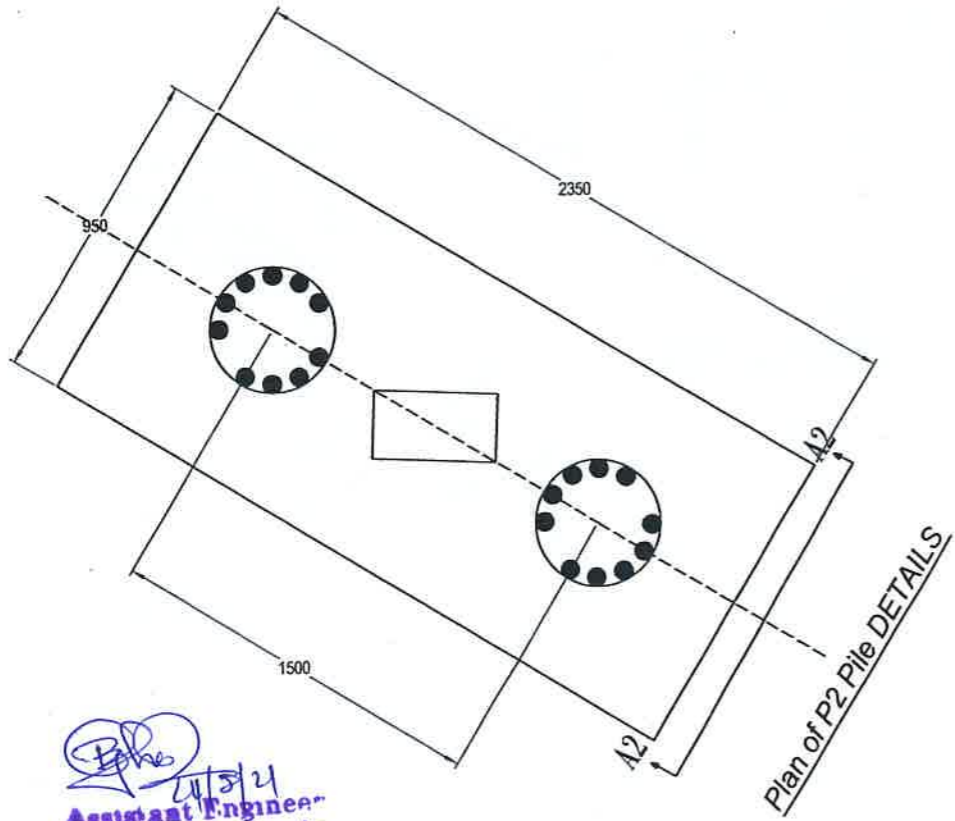
SECTION X-X
DET. OF COLUMN (DIA 500 MM)



SECTION Y-Y
DET. OF COLUMN (DIA 500 MM)

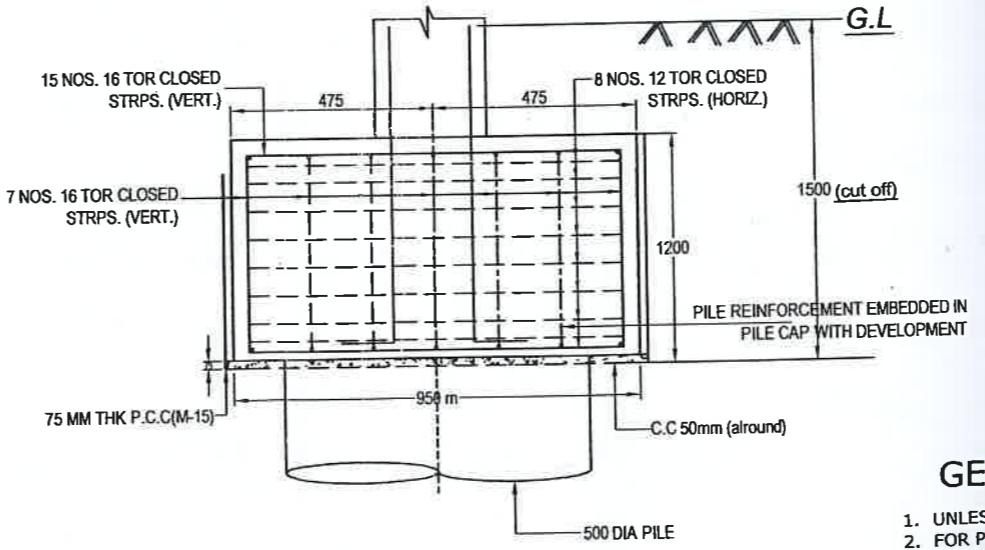


LOGN SECTION OF 500Ø PILE
GRADE OF CONCRETE M-25
Cut off Level-1.5M
Pile Length From G.L.=21.5M



Plan of P2 Pile DETAILS

P2 DETAILS



SECTION A2-A2 P2

GENERAL NOTES:

- UNLESS OTHERWISE SPECIFIED ALL DIMENTION & LEVELS ARE IN MM.
 - FOR PILE AND PILE CAP GRADE OF CONCRETE M-25 & Fe-500 GRADE OF STEEL.
 - UNLESS OTHERWISE SPECIFIED CONCRETE MIX SHALL BE OF GRADE M20. COVER TO MAIN REINF. SHALL BE AS FOLLOWS:-
 - a) COLUMN - 40 MM.
 - b) BEAM - 25 MM.
 - c) FLOOR SLAB - 20 MM.
 - d) FOUNDATION SLAB BEAM - 50 MM.
 - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT STEEL SHALL BE OF GRADE Fe500.
- 6. G.L. will be finalised as per site condition as demitted by E.I.C.*

22/07/21
Engineer-in-charge
 Kandi Municipality

[Signature]
 Chairperson
 Board of Administrators
 Kandi Municipality

[Signature]
 Assistant Engineer
 C.E. Centra. Circle
 M.E. Div, Malda
 Govt. of West Bengal

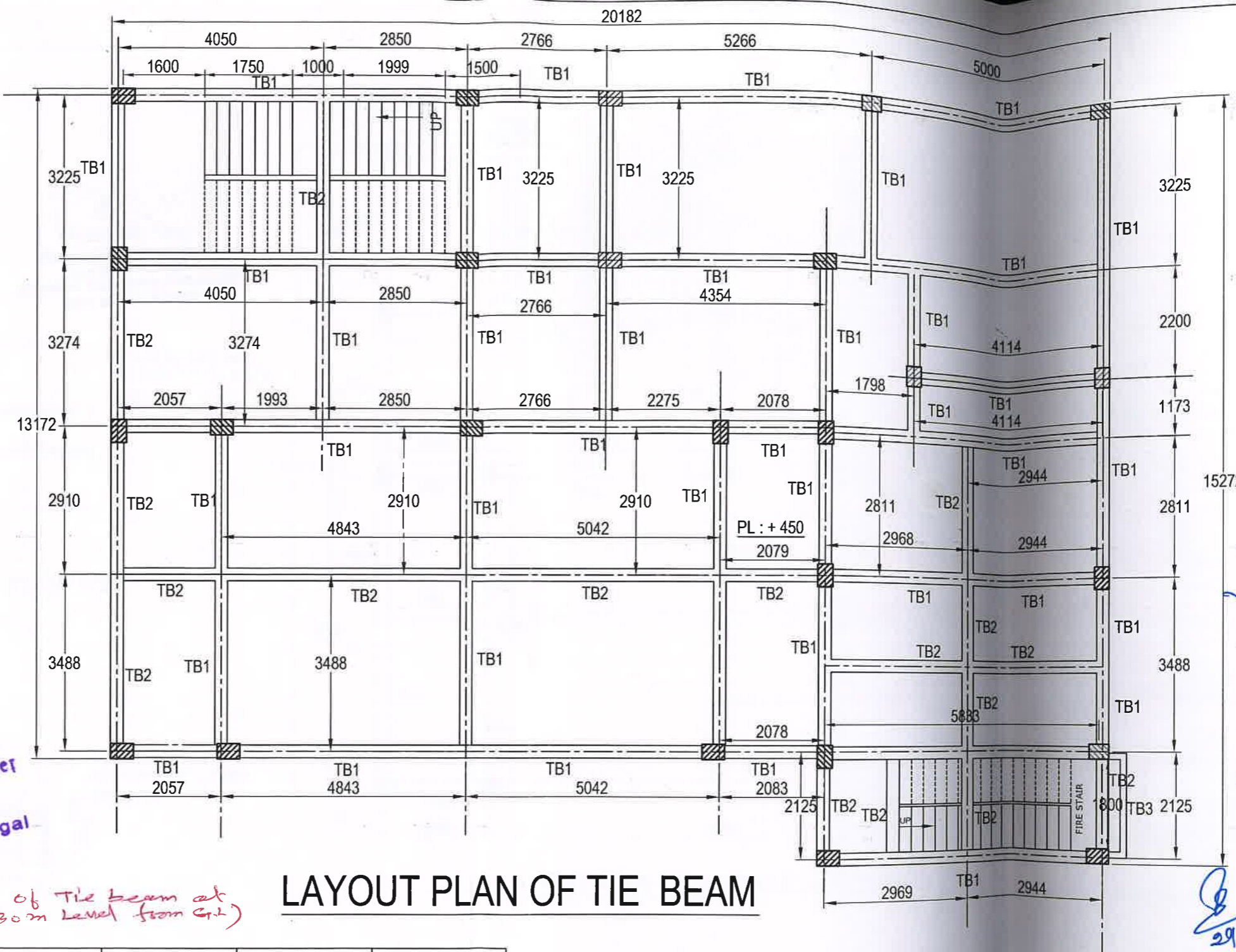
[Signature] 25/08/21
(Animesh Ray)
 Executive Engineer
 Central Circle
 Municipal Engineering Directorate
 Govt. of West Bengal

[Signature] 25/08/21
Superintending Engineer
 Central Circle
 M. E. Dte.
 Govt. of West Bengal

[Signature]
 EXECUTIVE ENGINEER
 MURSHIDABAD DIVISION M.E.D. Div.

[Signature] 29/07/2021
 ASSISTANT ENGINEER
 Murshidabad Division
 M.E Directorate
 Dept. of Municipal Affairs
 Govt. of West Bengal

PROJECT	CONSTRUCTION OF PROPOSED SHELTER (G+2 BUILDING) FOR URBAN HOMELESS UNDER DAY- NULM WITHIN KANDI MUNICIPALITY		
Sheet Details:	DETAILS OF PILE AND PILE CAP		
OFFICE OF THE EXECUTIVE ENGINEER, M.E. Dte, Murshidabad Division			
SCALE -	DATE	DRAWING NUMBER	SHEET NO. REV.
DRAWN BY :			5 OF 7
APPROVED BY :	EE	SE	



[Signature]
 24/8/21
 Assistant Engineer
 S.E. Central Circle
 M.E. Div, Malda
 Govt. of West Bengal

[Signature]
 25/8/21
 (Animesh Ray)
 Executive Engineer
 Central Circle
 Municipal Engineering Directorate
 Govt. of West Bengal

[Signature]
 25/08/21
 Superintending Engineer
 Central Circle
 M. E. Div.
 Govt. of West Bengal

[Signature]
 30.07.21
 ASSISTANT ENGINEER
 Murshidabad Division
 M.E. Directorate
 Dept. of Municipal Affairs
 Govt. of West Bengal

EXECUTIVE ENGINEER
 MURSHIDABAD DIVISION M.E.DTE

[Signature]
 29/07/2021
 ASSISTANT ENGINEER
 Murshidabad Division
 M.E. Directorate
 Dept. of Municipal Affairs
 Govt. of West Bengal

[Signature]
 27/11/21
 Engineer-in-charge
 Kandi Municipality

LAYOUT PLAN OF TIE BEAM

DETAILS OF TIE BEAM (Top of Tie beam at +0.30m level from G.L.)

TIE BEAM	BEAM SIZE	TOP	BOTTOM	EXTRA TOP	EXTRA BOTT	STIRRUPS
TB1	450X300	2-20Ø TOR	2-20Ø TOR	2-20Ø TOR	1-16Ø TOR	8T@150C/C
TB2	400X250	2-16Ø TOR	2-16Ø TOR	1-16Ø TOR	1-16Ø TOR	8T@150C/C
TB3	300X250	2-16Ø TOR	2-16Ø TOR			8T@150C/C

GENERAL NOTES:

- UNLESS OTHERWISE SPECIFIED ALL DIMENTION & LEVELS ARE IN MM.
- UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT STEEL SHALL BE OF GRADE Fe500 .
- UNLESS OTHERWISE SPECIFIED CONCRETE MIX SHALL BE OF GRADE M20 .
- COVER TO MAIN REINF. SHALL BE AS FOLLOWS:-
 - COLUMN- 40 MM.
 - BEAM -25 MM.
 - FLOOR SLAB - 20 MM.
 - FOUNDATION SLAB BEAM - 50 MM.

PROJECT CONSTRUCTION OF PROPOSED SHELTER (G+2 BUILDING) FOR URBAN HOMELESS UNDER DAY- NULM WITHIN KANDI MUNICIPALITY

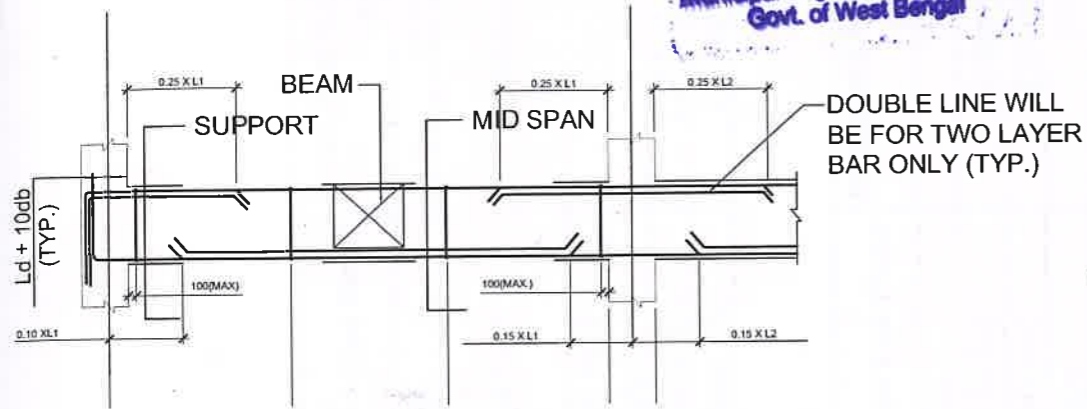
Sheet Details: TIE BEAM LAYOUT PLAN WITH REINFORCEMENT DETAILS

OFFICE OF THE EXECUTIVE ENGINEER, M.E.Dte,
 Murshidabad Division

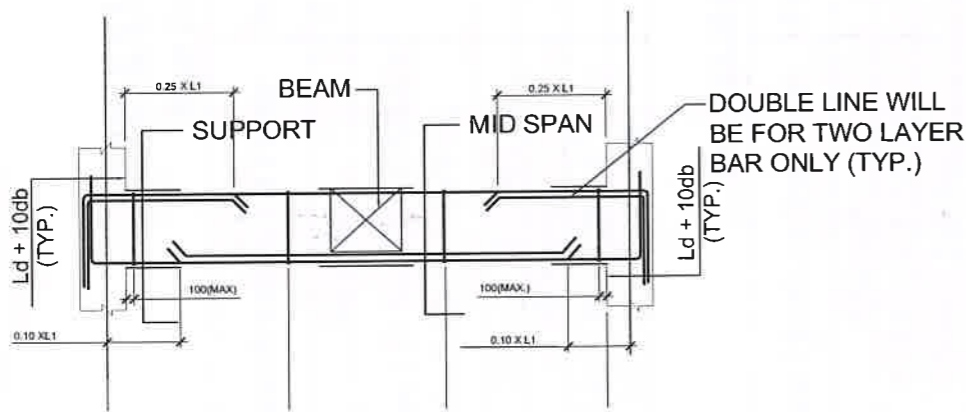
SCALE - 1:1	DATE	DRAWING NUMBER	SHEET NO.	REV.
DRAWN BY :		Chairperson	6 OF 7	
APPROVED BY :		Board of Administrators		
AE	EE	Kandi Municipality		

[Signature]
 Assistant Engineer
 S.E. Central Circle
 M.E. Dte, Malda
 Govt. of West Bengal

[Signature]
 (Animesh Ray)
 Executive Engineer
 Central Circle
 Municipal Engineering Directorate
 Govt. of West Bengal



TYP. BEAM CURTAILMENT DETAIL FOR CONTINUOUS SPAN

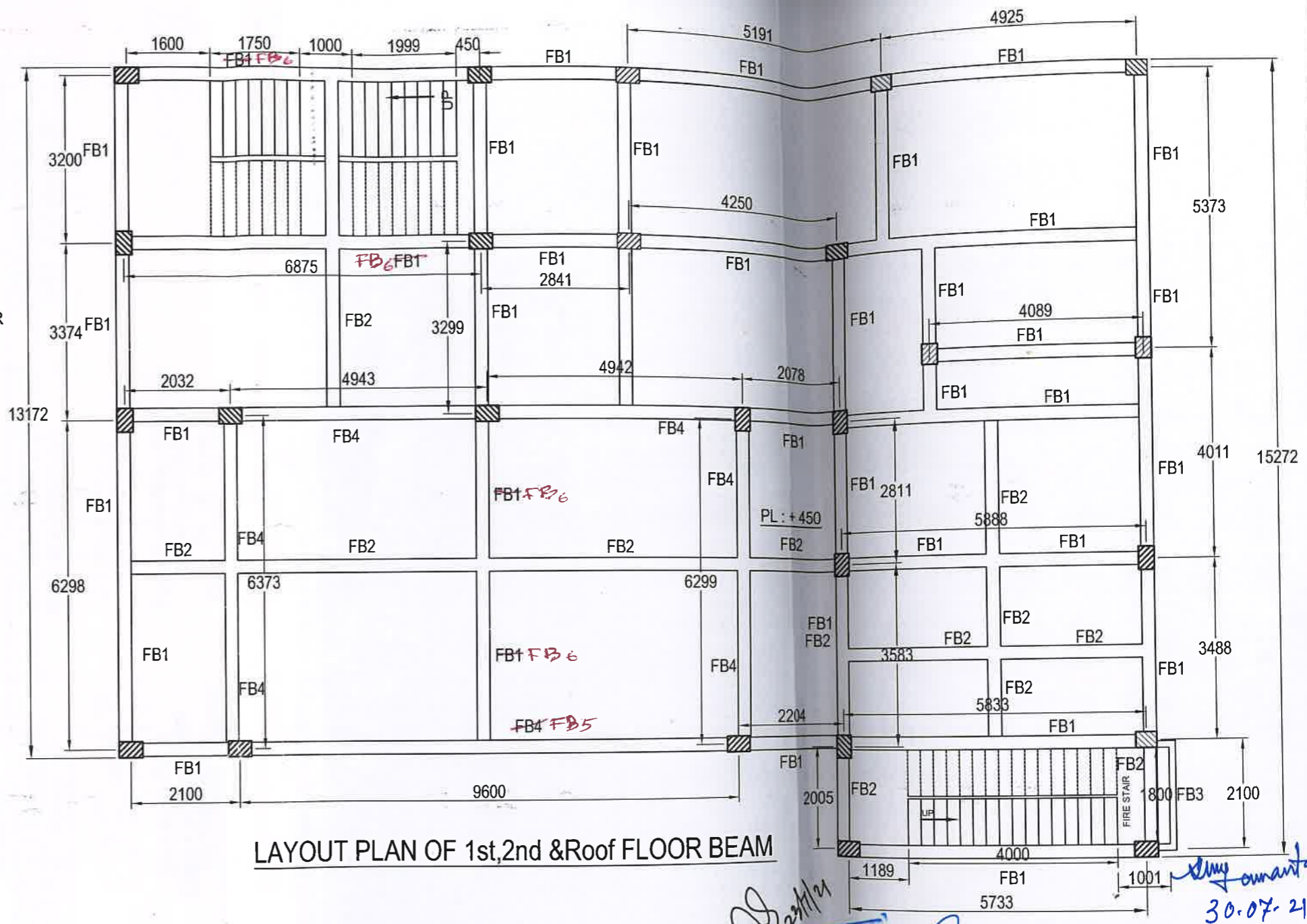


TYP. BEAM CURTAILMENT DETAIL FOR SINGLE SPAN

GENERAL NOTES:

- UNLESS OTHERWISE SPECIFIED ALL DIMENSION & LEVELS ARE IN MM.
- UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT STEEL SHALL BE OF GRADE Fe500 .
- UNLESS OTHERWISE SPECIFIED CONCRETE MIX SHALL BE OF GRADE M20 .
- COVER TO MAIN REINF. SHALL BE AS FOLLOWS:-
 - COLUMN- 40 MM.
 - BEAM -25 MM.
 - FLOOR SLAB - 20 MM.
 - FOUNDATION SLAB BEAM - 50 MM.

[Signature]
 Superintending Engineer
 Central Circle
 M. E. Dte.
 Govt. of West Bengal



LAYOUT PLAN OF 1st, 2nd & Roof FLOOR BEAM

DETAILS OF SLAB

SLAB MARKED	THICKNESS	Dia of Bar	Spacing Provided	Remarks
ALL SLAB	115 mm	8 mm Dia.	150 mm C/C.BOTH WAY T/B	

DETAILS OF FLOOR BEAM & ROOF BEAM

FL. BEAM 1ST, 2ND ROOF.	BEAM SIZE	TOP	BOTTOM	EXTRA TOP	EXTRA BOTT	STIRRUPS
FB1	450X300	2-200 TOR	2-200 TOR	1-200 TOR		8T@150C/C
FB2	400X250	2-160 TOR	2-160 TOR	1-160 TOR	1-160 TOR	8T@150C/C
FB3	300X250	2-160 TOR	2-160 TOR	2-160 TOR		8T@150C/C
FB4	500X300	2-200 TOR	2-200 TOR	1-200 TOR	1-200 TOR	8T@150C/C

For details of beams, see Annexure - II

[Signature]
 Engineer-in-charge
 Kandi Municipality

[Signature]
 29/07/21
 ASSISTANT ENGINEER
 Murshidabad Division
 M.E Directorate
 Municipal Affairs
 EXECUTIVE ENGINEER
 MURSHIDABAD DIVISION M.E.D

PROJECT CONSTRUCTION OF PROPOSED SHELTER (642 BUILDING) FOR URBAN HOMELESS UNDER DAY- NULM WITHIN KANDI MUNICIPALITY

Sheet Details: 1st, 2nd & Roof Floor Beam Lay Out Plan

OFFICE OF THE EXECUTIVE ENGINEER, M.E. Dte, Murshidabad Division

SCALE - 1:100

DRAWN BY: _____ DATE _____ DRAWING NUMBER _____ SHEET NO. 7 OF 7 REV. _____

APPROVED BY: _____

AE _____ EE _____ SE _____

[Signature]
 Chairperson
 Board of Administrators
 Kandi Municipality

ANNEXURE - I

Stair Details

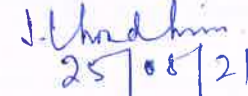
Particulars	From Plinth to 1st Floor	From 1st Floor to 2nd Floor	From 2nd Floor to 3rd Floor (Roof)
Thickness of Waist Slab	225mm	190mm	190mm
Riser	156mm (16 No. with 1000mm Intermediate Landing)	150mm (10 No.)	150mm (10 No.)
Tread	250mm (15 No.)	250mm (09 No.)	250mm (09 No.)
Floor to Floor distance	5000mm	3000mm	3000mm
Main Reinforcement	12ΦT @105mm c/c	12ΦT @130mm c/c	12ΦT @130mm c/c
Distribution	8ΦT @150mm c/c	8ΦT @150mm c/c	8ΦT @150mm c/c

Fire Exit Stair Details

Particulars	From Plinth to 1st Floor	From 1st Floor to 2nd Floor	From 2nd Floor to 3rd Floor (Roof)
Thickness of Waist Slab	180mm	190mm	190mm
Riser	156mm (16 No.)	150mm (10 No.)	150mm (10 No.)
Tread	250mm (15 No.)	250mm (09 No.)	250mm (09 No.)
Floor to Floor distance	5000mm	3000mm	3000mm
Main Reinforcement	12ΦT @150mm c/c	12ΦT @135mm c/c	12ΦT @135mm c/c
Distribution	8ΦT @150mm c/c	8ΦT @150mm c/c	8ΦT @150mm c/c


24/5/21
Assistant Engineer
S.E. Central Circle
M.E. Dte., Malda
Govt. of West Bengal


25/5/21
(Animesh Ray)
Executive Engineer
Central Circle
Municipal Engineering Directorate
Govt. of West Bengal

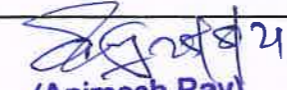

25/05/21
Superintending Engineer
Central Circle
M. E. Dte.
Govt. of West Bengal

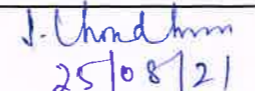
ANNEXURE - II

Details of Floor Beam & Roof Beam

Beam Mkd.	Beam Size	Top Reinforcement	Bottom Reinforcement	Shear Reinforcement
FB1	300 mm X 450 mm	2 No. 20 ϕ T (Through) + 1 No. 20 ϕ T (Extra)	2 No. 20 ϕ T (Through) + 1 No. 16 ϕ T (Extra)	8 ϕ T @100mm c/c near Support, @150mm c/c at Span
FB2	250 mm X 400 mm	2 No. 20 ϕ T (Through) + 1 No. 20 ϕ T (Extra)	2 No. 20 ϕ T (Through) + 1 No. 20 ϕ T (Extra)	8 ϕ T @100mm c/c near Support, @150mm c/c at Span
FB3	250 mm X 300 mm	2 No. 16 ϕ T (Through) + 1 No. 16 ϕ T (Extra)	2 No. 16 ϕ T (Through) + 1 No. 16 ϕ T (Extra)	8 ϕ T @100mm c/c near Support, @150mm c/c at Span
FB4	300 mm X 500 mm	2 No. 25 ϕ T (Through) + 1 No. 25 ϕ T (Extra)	2 No. 25 ϕ T (Through) + 1 No. 25 ϕ T (Extra)	8 ϕ T @100mm c/c near Support, @150mm c/c at Span
FB5	300 mm X 800 mm (reduced to 500 mm at 3m length from support)	3 No. 25 ϕ T (Through) + 2 No. 20 ϕ T (Extra)	3 No. 25 ϕ T (Through) + 2 No. 20 ϕ T (Extra)	10 ϕ T @125mm c/c near Support, 10 ϕ T @175mm c/c at Span. 3 No. 12 ϕ T as Skin reinforcement at haunch
FB6	300 mm X 500 mm	3 No. 25 ϕ T (Through) + 2 No. 20 ϕ T (Extra)	3 No. 25 ϕ T (Through) + 2 No. 20 ϕ T (Extra)	10 ϕ T @125mm c/c near Support, 10 ϕ T @175mm c/c at Span. 3 No. 12 ϕ T as Skin reinforcement at haunch


 24/8/21
 Assistant Engineer
 S.E. Centra. Circle
 M.E. Dto., Malda
 Govt. of West Bengal


 (Animesh Ray)
 Executive Engineer
 Central Circle
 Municipal Engineering Directorate
 Govt. of West Bengal


 25/08/21
 Superintending Engineer
 Central Circle
 M. E. Dto.
 Govt. of West Bengal

ANNEXURE - I

PRICE SCHEDULE AS REFERRED IN BOQ

Sl. No.	Item Description	Quantity	Units	Estimated Rate including District Charges (Where Applicable) Rs. P	TOTAL AMOUNT Rs. P
1	<p><u>CIVIL WORKS</u></p> <p>Providing Bored Cast-in-situ M25 grade R.C.C. pile in position as per specifications in all kinds of soil including cost of boring using drilling mud to stabilize the bore and flushing the bore of excess mud with freshly prepared drilling fluid by using pumps prior to placing concrete by tremie pipe in one continuous operation and including the cost of all materials and labour for placing of concrete and also including the cost of mobilization and hire charges of all equipment necessary for boring, welding of reinforcement cage as necessary and lowering of reinforcement cage, preparation and placing of concrete, including the cost of concrete but excluding the cost of reinforcement and labour for bending binding etc. complete as per Drawing and Technical Specifications and removal of excavated earth with all lifts and lead upto 1000 m. Work to be executed as per IS: 2911 (Part II Sec 2). (b) Using tripod, winches ii) Pile diameter - 500 mm.</p>	666.58	Mtr	784.00	522598.72
2	<p>Performing Vertical load test on single Pile in accordance with IS:2911(Part-IV) by hydraulic jacks on pile/piles with 1.5 times the design load including preparation of the head of piles with concrete of required strength for receiving the jacks with all ancillary arrangements for setting up gauges, construction of suitable platforms, keeping the loads and dismantling and removing all arrangement etc. complete as per IS specification and direction of Engineer-in-charge ii) Testing load between 100 T and 150 T.</p>	1	Each	67,200.00	67200.00
3	<p>Controlled Cement concrete with well graded stone chips (20 mm nominal size) excluding shuttering and reinforcement with complete design of concrete as per IS : 456 and relevant special publications, submission of job mix formula after preliminary mix design after testing of concrete cubes as per direction of Engineer-in charge. Consumption of cement will not be less than 300 Kg of cement with Super plasticiser per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix formula. In ground floor and foundation.[using concrete mixture] M 25 Grade</p>	175.78	Cum	6,702.34	1178137.33
4	<p>Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm.</p>	70.88	Cum	119.27	8453.86
5	<p>Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) (a) With earth obtained from excavation of foundation.</p>	14.175	Cum	77.54	1099.13
6	<p>(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity)</p>	214.14	Cum	599.61	128400.49

7	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	369.05	Cum	326.00	120310.30
8	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches.	350.0	Sqm	24.00	8400.00
9	Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety] (a) 1:3:6 proportion	39.927	Cum	5,189.00	207181.20
10	Hire and labour charges for shuttering with centreing and necessary staging upto 4 m. using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns, lintels curved or straight including fitting, fixing and striking out after completion of works. (upto roof of ground floor). (a) 25 mm. to 30 mm. thick wooden shuttering as per decision & direction of Engineer-in-charge. (a) In Ground Floor	854.17	Sqm	330.00	281876.10
10.1	(b) -do- in 1st floor	661.44	Sqm	348.00	230181.12
10.2	(c) -do- in 2nd floor	661.44	Sqm	366.00	242087.04
10.3	(d) Stair Head Room (3rd floor)	193.16	Sqm	384.00	74173.44
10.4	25 mm. to 30 mm. thick wooden shuttering without staggging	148.27	Sqm	205.00	30395.35
11	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips(20 mm.nominal size) excluding shuttering and reinforcement, if any. Pakur / Chandil Variety a) in ground floor.	137.07	Cum	6,194.91	849136.31
11.1	(b) -do- in 1st floor	97.807	Cum	6,289.91	615197.23
11.2	(c) -do- in 2nd floor	98.09	Cum	6,384.91	626295.82
11.3	(d) Mumty Roof (3rd Floor)	21.06	Cum	6,479.91	136466.90
12	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc. including supply of rods, initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape,placing in proper position and binding with 16 gauge black annealed wire at every inter-section, complete as per drawing and direction. (i) Tor steel : SAIL / TATA / RINL (a) For works in foundation, basement and upto roof of ground floor / upto 4m.	35.012	MT	60,433.00	2115880.20
12.1	(b) -do- in 1st floor	11.151	MT	60,863.00	678683.31
12.2	(c) -do- in 2nd floor	11.185	MT	61,293.00	685562.21
12.3	(d) Mumty Roof (3rd Floor)	2.48	MT	61,723.00	153073.04
13	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth	12.25	Cu.M.	4,928.00	60368.00
13.1	(b) In superstructure, ground floor	87.42	Cu.M.	5,151.00	450300.42
13.2	(c) In 1st floor	59.25	Cu.M.	5,262.00	311773.50
13.3	(d) In 2nd floor	61.52	Cu.M.	5,373.00	330546.96
13.4	(e) Mumty Roof (3rd Floor)	26.18	Cu.M.	5,484.00	143571.12
14	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) (a) In ground floor.	111.73	SqM	677.00	75641.21
14.1	(b) In 1st floor	189.96	Sq.M.	689.00	130882.44
14.2	(c) In 2nd floor	184.31	Sq.M.	701.00	129201.31
14.3	(d) Parapet Wal	67.49	Sq.M.	713.00	48120.37
15	75mm thick brick work with 1st class bricks set in cement sand mortar (1:3) in ground floor including H.B netting in every alternative layers. (a) In ground floor.	30	Sq.M	514.00	15420.00
15.1	(b) In 1st floor	30	Sq.M.	526.00	15780.00
15.2	(c) In 2nd floor	30	Sq.M.	538.00	16140.00
16	Supplying, fitting and fixing 18 mm. to 22 mm. thick, kota stone slab set in 20 mm thick (avg) cement mortar (1:4) in floor, stair & lobby including pointing in cement slurry with admixture of pigment matching the stone shade, including grinding & polishing as per direction of Engineer in - charge to match with the existing work. [Slurry for bedding @ 4.4 kg/Sq.m and pointing @2.0 kg/Sq.m Ground Floor	141.65	Sq.M	1013.00	143491.45
16.1	1st Floor	269.63	Sq.M	1025.00	276370.75
16.2	2nd Floor	268.81	Sq.M	1037.00	278755.97
17	Extra cost of labour for prefinished and premoulded Nosing to treads of steps, railing, window sill etc. of Kota Stone.	267.22	m	224.00	59857.28

18	Supplying, fitting and fixing 18 mm. to 22 mm. thick kota stone slab in wall, dado in 15 mm thick [avg] cement mortar (1:3) including making suitable arrangement to hold the stone properly by brass / copper hooks including pointing in cement mortar (1:2) (1 cement : 2 marble dust) with admixture of pigments matching the stone shade, including grinding and polishing all complete as per direction of Engineer-in-charge including cost of materials, labour, scaffolding, staging, curing complete. [Using cement slurry for bedding @4.4 kg/Sq.m and for jointing @1.8 kg/Sq.m] Ground Floor	56.00	Sq.M	1150.00	64400.00
18.1	1st Floor	107.73	Sq.M	1162.00	125182.26
18.2	2nd Floor	109.22	Sq.M	1174.00	128224.28
18.3	Mumty Stair	16.52	Sq.M	1186.00	19592.72
19	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. (A) Floor (Considering Shower, Toilet and WC area only) With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative Ground Floor	5	sqm	742.00	3710.00
19.1	1st Floor	26.7	sqm	747.00	19944.90
19.2	2nd Floor	20.87	sqm	752.00	15694.24
19.3	(B) Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative Ground Floor	18.90	sqm	746.00	14099.40
19.4	1st Floor	241.08	sqm	751.00	181051.08
19.5	2nd Floor	122.22	sqm	756.00	92398.32
20	(a) M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor. (i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr. (i) Gr. Floor	4.83	Qntl	9,888.00	47759.04
20.1	(ii) 1st Floor	4.76	Qntl	9,986.88	47537.55
20.2	(iii) 2nd Floor	4.83	Qntl	10,086.75	48719.00
20.2	(iv) 3rd Floor	0.6	Qntl	10,187.62	6112.57
21	Collapsible gate with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bracings properly rivetted and washered including 38mm steel rollers including locking arrangements, fitted and fixed in position with lugs set in cement concrete and including cutting necessary holes, chasing etc. in walls, floors etc. and making good damages complete. (a) In ground floor.	7.56	Sq.m	4,330.00	32734.80
21.1	(a) In 1st floor.	3.78	Sq.m	4,373.30	16531.07
21.2	(a) In 2nd floor.	3.78	Sq.m	4,417.03	16696.37

22	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. Flash butt welded windows and ventilators (No shop priming will be allowed to facilitate inspection of workmanship) Without integrated grills. (b) Openable steel windows as per IS sizes with side hung shutters and horizontal glazing bars with/without fixed type ventilators.[The extra rate admissible for the openable portion only] In ground floor.	34.53	Sq. M.	2,199.00	75931.47
22.1	In 1st floor	33.99	Sq. M.	2,225.39	75641.01
22.2	In 2nd floor	34.53	Sq. M.	2,252.09	77764.67
22.3	In 3rd floor	4.32	Sq. M.	2,279.12	9845.80
22.4	Two point nose steel handle including fitting and fixing	200	Each	50.00	10000.00
22.5	(vi) Steel peg stay 300 mm long including fitting and fixing	200	Each	35.00	7000.00
23	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame excluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be corrected upto three decimals). (d) Sal : Local. (a) In ground floor.	0.08	Cu.M	72,954.00	5836.32
23.1	(b) In 1st floor	0.239	Cu.M	73,154.00	17483.81
23.2	(c) In 2nd floor	0.239	Cu.M	73,354.00	17531.61
23.3	(d) Mumty Room	0.080	Cu.M	73,554.00	5884.32
24	Supplying, fitting and fixing M.S. clamps for door and window frame made of flat bent bar, end bifurcated with necessary screws etc. by cement concrete(1:2:4) as per direction. (Cost of concrete will be paid separately) (b) 40mm X 6mm, 200mm Length	195	Each	25.00	4875.00
25	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (vi) 100mm. X 50mm. X 1.25mm.	100	Each	43.00	4300.00
26	Iron socket bolt of approved quality fitted and fixed complete. (c) 150mm long x 10mm dia bolt.	100	Each	63.00	6300.00
27	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. (c) 300mm long.	35	Each	166.00	5810.00
28	Anodised aluminium D-Type handle of approved quality manufactured from extruded erection conforming to I.S. specification (I.S. 230/72) fitted and fixed a) With continuous plate base (Hexagonal/Rounded) ii) 100 mm grip x 10 mm dia rod	65	Each	69.00	4485.00
29	Supplying solid flush type doors of commercial quality, the timber frame consisting of top and bottom rails and side styles of well seasoned timber 65mm wide each and the entire frame fitted with 37.5mm wide battens places both ways in order to make the door of solid core and internal lipping with Garjan or similar wood veneers using phenol formaldehyde as glue etc. complete, including fitting, fixing shutters in position but excluding the cost of hinges and other fittings in ground floor. (a) 35 mm thick shutters (single leaf) (a) In ground floor.	4.62	Sq. M.	2,659.00	12284.58
29.1	(b) In 1st floor	13.86	Sq. M.	2,673.00	37047.78
29.2	(c) In 2nd floor	13.86	Sq. M.	2,687.00	37241.82
29.3	(d) Mumty Room	4.62	Sq. M.	2,701.00	12478.62

30	Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame as per approved section with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS: 4020 door testing performance criteria. (ii) 66mm X 90mm	89.1	Mtr.	497.00	44282.70
31	Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th., 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC	1.58	Sq.m	1,943.00	3069.94
31.1	(b) In 1st floor	11.03	Sq.m	1,957.00	21585.71
31.2	(c) In 2nd floor	15.75	Sq.m	1,971.00	31043.25
32	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary [Excluding cost of chipping over concrete surface] A) In Ground floor (i) With 1:6 cement mortar (b) 20 mm thick plaster	694.26	Sq.M	163.00	113164.38
32.1	(c) 15 mm thick plaster	370.35	Sq.M	142.00	52589.70
32.2	(ii) With 1:4 cement mortar (c) 10 mm thick plaster	363.97	Sq.M	127.00	46224.19
32.3	B) In 1st floor (i) With 1:6 cement mortar (b) 20 mm thick plaster	724.4	Sq.M	167.00	120974.80
32.4	(c) 15 mm thick plaster	267.13	Sq.M	146.00	39000.98
32.5	(ii) With 1:4 cement mortar (c) 10 mm thick plaster	366.97	Sq.M	131.00	48073.07
32.6	C) In 2nd floor (i) With 1:6 cement mortar (b) 20 mm thick plaster	731.01	Sq.M	171.00	125002.71
32.7	(c) 15 mm thick plaster	276.86	Sq.M	150.00	41529.00
32.8	(ii) With 1:4 cement mortar (c) 10 mm thick plaster	368.37	Sq.M	135.00	49729.95
32.9	C) In Mumpty Room (i) With 1:6 cement mortar (b) 20 mm thick plaster	174.24	Sq.M	175.00	30492.00
32.11	(c) 15 mm thick plaster	174.24	Sq.M	154.00	26832.96
32.12	(ii) With 1:4 cement mortar (c) 10 mm thick plaster	84.12	Sq.M	139.00	11692.68
33	Neat cement punning about 1.5 mm. thick in wall, dado, window, sills, floor, drain etc. NOTE : Cement 0.152 cu.m. per 100 sq.m.	85.08	Sq.M	34.00	2892.72
34	Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty of approved make & brand.(1.5 mm thick) Add extra for each additional floor over the rate for ground floor for the above item when used on External Surface (a) In ground floor.	1058.23	Sqm.	122.00	129104.06
34.1	(b) In 1st floor	1091.37	Sqm.	122.72	133932.93
34.2	(c) In 2nd floor	1099.38	Sqm.	123.44	135707.47
34.3	(d) Mumty Room	258.36	Sqm.	124.16	32077.98

35	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothing of surface. Two Coats	3507.34	Sq.M	70.00	245513.80
36	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC. (a) One Coat (a) ground floor	370.35	Sq.M	31.40	11628.99
36.1	(b) In 1st floor	267.13	Sq.M	32.11	8577.54
36.2	(c) In 2nd floor	276.86	Sq.M	32.82	9086.55
36.3	(d) Mumty Room	174.24	Sq.M	33.53	5842.27
37	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. (Two Coat) a) Normal Acrylic Emulsion (a) In ground floor.	370.35	Sq.M	67.00	24813.45
37.1	(b) In 1st floor	267.13	Sq.M	67.71	18087.37
37.2	(c) In 2nd floor	276.86	Sq.M	68.42	18942.76
37.3	(d) Mumty Room	174.24	Sq.M	69.13	12045.21
38	Priming one coat on timber surface with synthetic oil bound primer of approved quality including smoothing surfaces by sand papering etc.	56.4	Sq.M	38.00	2143.20
39	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothing surfaces by sand papering etc.	183.74	Sq.M	29.00	5328.46
40	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothing surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (a) On timber or plastered surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white)	56.4	Sq.M	81.00	4568.40
40.1	On Steel /metal surface With super gloss (hi-gloss) - (iv) Two coats (with any shade except white)	183.74	Sq.M	79.00	14515.46
41	Supplying best Indian sheet glass panes set in putty and fitted and fixed with nails and putty complete. (In all floors for internal wall & upto 6 m height for external wall) (ii) 4 mm thick	107.37	Sq.M	536.00	57550.32
42	25mm. thick damp proof course with cement concrete with stone chips (1:1.5:3) [with graded stone aggregate 10 mm nominal size] and admixture of water proofing compound as per manufacturer's specification followed by two coat of polymer based paint, (1st coat after 4 to 5 days of concrete laying and 2 nd coat just before brick masonry work) as directed (cost of water proofing compound & polymer based paint to be paid separately). (Chequering not required over concrete or painted surface).	22.19	Sq.M	194.00	4304.86
43	Supplying and laying chequered tiles of any shade & of approved quality with (1:1½:3) cement concrete laid in panels or patterns as directed in pavement, footpath etc. including necessary underlay 25 mm thick [avg] cement mortar (1:3) complete in all respect with all labour and materials. [Using cement slurry @ 4.4 kg/Sq.m at back side and @2.4 kg / Sq.m for joint filling] (ii) 30 mm. thick	204.35	sqm	498.00	101766.30

44	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. A) UPVC Pipes: (ii) 110 mm. Dia.	124	Metre	251.00	31124.00
44.1	B) UPVC fittings : 110 mm dia (i) Plain Tee	12	Each	172.00	2064.00
44.2	(ii) Bend 87.5 degree	10	Each	160.00	1600.00
44.3	(iii) Shoe	10	Each	111.00	1110.00
45	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (ii) 25 mm. thick (a) In ground floor.	141.65	Sqm.	264.00	37395.60
46	Supplying, fitting & fixing Glass mosaic tiles at finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design, fixing in customize design as per direction of Engineer-in- Charge. The glass mosaic tiles to be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. The rate is inclusive of all operation, material and required pattern approved by Engineer-in-Charge. iii) Mural aligned/ CAD Design Type a) In first floor	25	Sqm.	3,614.00	90350.00
46.1	b) In second floor	15	Sqm.	3,764.00	56460.00
46.2	c) In third floor	15	Sqm.	3,914.00	58710.00
47	Providing and fixing exterior quality Aluminium Composite Panel (ACP) wall cladding on existing Al. /MS frame work with GI brackets, ACP fixed on the existing frame work by folding the edges of ACP panel (Engraving the rear surface of ACP sheet) with CP angles, cleats and stainless Steel screws forming grooves at the periphery of ACP panel. Such grooves filled with foam and silicon sealant etc. complete with all materials (but including the cost of silicon sealant), labour, scaffolding and all other incidental charges complete in all respect as per specification and direction of Engineer-in-charge. (Mode of payment is on finished surface area of ACP) (b) 4mm thick (0.50mm Al.+3.0mm LDPE +0.50mm Al. PVDF coating) Vertical direction	50.00	Sqm.	2,878.00	143900.00
47.1	Horizontal direction	45.00	Sqm.	2,878.00	129510.00
48	Laser cutting as per design of ACP board of any thickness complete in all respect as per direction of EIC. [Rate collected through telephone- Rs. 70/sft.] i.e. 753.48/ sqm.	50.00	Sqm.	753.48	37674.00
49	Supplying profiles of required section made of Aluminium Alloy Extrusion conforming to IS: 732-1983 and IS: 1285-1975; Anodised with required film thickness and specified colour/natural matt finished conforming to IS: 1868-1983 for fabrication of Structural Glazing, Curtain Wall formed of basic sections of any ISI embossed/certified make and brand as per direction of Engineer-in-charge. (Payment will be made on finished length of the work). 15 micron colour anodising Structural glazing /Curtain Wall j) Mullion & Transom (Weight @1.819 Kg per Meter)	196.5	mtr	463.00	90979.50

50	<p>M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc.</p> <p>Payment to be made on the basis of calculated weight of structural members only in finished work as per IS specified weight. Payment for gusset, bracket, cleat, rivets, bolts and nuts may be make by adding the actual weight of such items with the weight of finished structural members or 7% of weight for finished structural members weighing not less than 22.5 Kg. / m. or 15 % of weight for finished structural members weighing less than 22.5 Kg. / m. may be increased allow for bracket, cleat, rivet, bolts and nuts etc.</p>	2.1	MT	72603.00	152466.30
51	<p>Providing and fixing at or near ground level precast cement concrete in kerbs (size: 410 mm x 310 mm x width 150 mm at bottom with circular nosing at top) (Nano kerb) of cement concreat M25 Grade without reinforcement, fixing as per approved pattern and setting in position at site after preparing the bed grade and slopes by laying Cement concrete with jhama khoa (1:4:8) as per specification and direction of Engineer-in- Charge including filling of joints with 10 mm thick cement mortar (3:1) and back filling the vertical piece properly with earth duly compacted and curing the mortar joints for atleast 3 days including cost and carriage of all materials complete.</p>	70.9	mtr	946.00	67071.40
52	<p>Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20%, one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary watering and finally fine dressing, levelling etc., including stacking and disposal of materials declared unserviceable and surplus earth by spreading and levelling as directed, within a lead of 50m lift upto 1.5m complete. This includes supply of labour, tools & plants including materials.</p> <p>Planting hedge plants in two rows at 30cm apart</p>	60	Sqm.	35.30	2118.00
53	<p>Maintenance of hedge for one year including application of necessary pesticide, farm yard manure, replacement of damaged hedge plant by new one complete in all respect as per instruction of Engineer-in-charge. This includes supply of labour, tools & plants including materials. (For Five Year maintainance)</p> <p>Area of Hedge =60 Sqm & Maintenance years =5 (For Calculation only Area of hedge considered as300 sqm)</p>	300	Sqm.	117.00	35100.00
54	<p>Planting of trees (Avenue plants) in 0.60m dia holea, 1m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure. This includes supply of labour, tools & plants including materials but excluding cost of tree.</p>	25	Each	117.00	2925.00
55	<p>Maintanance of trees for one year (Avenue Plants) including watering, trimming, manuring, spraying insecticide and guarding as required. This includes supply of labour, tools & plants including materials. (For Five Year maintainance)</p> <p>Nos of trees =25 & Maintenance years =5 (For Calculation only Nos of trees considered as 125)</p>	125	Each per Year	477.00	59625.00
56	<p>Supplying galvanised straining bolts (with eye at one end with double nuts and washers) fitted and fixed complete. (ii) 12 mm. dia. (b) 250 mm.</p>	35	Each	74.00	2590.00

57	Supplying galvanised staples fitted and fixed complete. (b) 32.5 mm. to 37.5 mm. size	66	Nos	2.81	185.46
58	M.S. gate of Jail type as per approved design made of strong M.S.frame work, intermediate stiffeners and round / square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in -charge.	3.5	Qntl.	10090.00	35315.00
59	SANITARY & PLUMBING Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007 . with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, longscrew, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accesories, specials. (i) CPVC Pipes Class-1, SDR-11 a) For Exposed Work 20 mm Dia	180	Nos	143.000	25740.00
59.1	32 mm Dia	60.0	Nos	283.000	16980.00
59.2	40 mm Dia	45.0	Nos	403.000	18135.00
59.3	(b) For Concealed Work 15 mm Dia	95.0	Nos	140.000	13300.00
60	Supplying, fitting and fixing Peet's valve fullway gunmetal standard pattern best quality of approved brand bearing I.S.I. marking with fittings(tested to 21 kg/sq.cm.). 20 mm Dia	14	Nos	657.00	9198.00
60.1	32 mm Dia	6	Nos	1258.00	7548.00
60.2	40 mm Dia	10	Nos	1646.00	16460.00
61	Supplying, fitting and fixing bib cock or stop cock. (i) Chromium plated Bib Cock short with wall flange with aerator (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand)	50	Nos	539.000	26950.00
61.1	B(i) Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model - Tropical / Sumthing Special of ESSCO or similar brand).	50	Nos	493.000	24650.00
61.2	D(i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).	10	Nos	815.000	8150.00
62	Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous china ware of approved make complete in position with necessary bolts, nuts etc. b) With 'S' trap (with vent)	22.000	Nos	3287.000	72314.00
63	Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws supplied, fitted and fixed complete. (b) Anglo Indian (ii) Plastic (hallow type) white	22.000	Nos	485.000	10670.00
64	Supplying, fitting and fixing Orissa pattern water closet in white glazed vitreous chinaware of approved make in position complete excluding 'P' or 'S' trap (excluding cost of concrete for fixing). (i) 580 mm X 440 mm	10.000	Nos	1613.000	16130.00
65	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete. i) Polythene Flush Pipe	22.000	Nos	155.000	3410.00
66	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. (iv) 600 mm long	50.000	Nos	107.000	5350.00
67	Wash basin vitreous china of approved make (without fittings) supplied, fitted and fixed in position on 75mm X 75 mm X 75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets. (ii) 550 mm X 400 mm size	22.000	Nos	1383.000	30426.00
68	Supplying, fitting and fixing pedestal of approved make for wash basin (white)	22.000	Nos	1497.000	32934.00

69	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets. (a) Sink only (ii) 630 mm X 550 mm X 180 mm	10.000	Nos	3788.000	37880.00
70	Supplying, fitting and fixing approved brand 32 mm dia. P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps. (iii) 900 mm long	22.000	Nos	75.000	1650.00
71	Supplying, fitting and fixing pillar cock of approved make. a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507 & Model - Tropical / Sumthing Special of ESSCO or similar brand).	22.000	Nos	555.000	12210.00
72	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I, specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm	22.000	Nos	613.000	13486.00
73	Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass (iii) 25 mm dia. and 600 mm long	22.000	Nos	430.000	9460.00
74	Supplying, fitting and fixing soap holder. (b) Fibre glass	22.000	Nos	58.000	1276.00
75	Supplying, fitting and fixing shower of approved brand and make. (a) (ii) Chromium plated round shower with revolving joint (Equivalent to Code No. 541(N) & Model - Tropical / Sumthing Special of ESSCO or similar).	22.000	Nos	360.000	7920.00
75.1	iii) Chromium plated shower arm 240 mm long (Equivalent to Code No. 536(A) & Model - Tropical / Sumthing Special of ESSCO or similar brand).	16.000	Nos	309.000	4944.00
76	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) – Multilayer (e) 2500 litre capacity	3.000	Nos	13027.000	39081.00
77	Labour for hoisting plastic water storage tank. (ii) Above 1500 litre upto 5000 litre capacity. (a) Upto 1st story from G.L.	3.000	Nos	154.000	462.00
77.1	b) Extra for each additional story	6.000	Nos	72.000	432.00
78	Labour for punching hole in plastic water storage tank upto 50 mm dia.	9.000	Nos	19.000	171.00
79	Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make supplied, fitted and fixed in position with brass screws on 75 mm X 75 mm X 75 mm wooden blocks complete. (ii) 470 mm X 280 mm X 340 mm	15.000	Nos	945.000	14175.00
80	Supplying, fitting and fixing porcelain partition wall of approved make of size 618 mm X 310 mm complete in all respect.	6.000	Nos	1132.000	6792.00
81	Supplying, fitting and fixing urinal flush pipe fittings of approved brand. (a) C.P. urinal flush pipe fittings range of one	6.000	Nos	414.000	2484.00
82	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). (i) 450 mm X 350 mm	10.000	Nos	881.000	8810.00

83	Constructing Inspection pit of inside measurement 600mm X 600mm X upto 600mm (depth) with 250 mm thick 1st. class brick work in cement mortar (1:4) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (1:3:6) with stone chips over a layer of jhama brick flat soling, 15 mm thick (1:4) cement plaster to inside walls and out-side walls upto G.L. and 20 mm.thick (1:4) plaster to bottom of the pit,providing necessary invert with cement concrete (1:3:6) with stone chips as per direction, neat cement finishing to entire internal surfaces, top of the pit covered with 100 mm thick R.C.C. slab (1:1.5:3) with stone chips and necessary reinforcements upto 1% and shuttering including 6 mm thick cement plaster (1:4) in all external surfaces of the slab and one 560 mm dia. R.C.C. manhole cover of approved makesupplied, fitted and fixed in the slab with necessary fittings, necessary earthwork in excavation in all sorts of soil, filling sides of the pit with earth and removing spoils after work complete in all respect with all costs of labour and materials. i) With Pakur variety. (SAIL/TATA/RINL)	8.000	Nos	6836.000	54688.00
84	Construction of septic tank of different capacities as per approved drawing with 1stclass brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manholecover(heavy type)of approved make supplied, fitted and fixed in the 100mm thickR.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1)with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc....(iv) For 50 users A) With Pakur variety. (SAIL/TATA/RINL)	1.000	Nos	86329.000	86329.00
85	Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having ISO mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (1:4) on top of the R.C.C. cover slab including filling bottom 1.00 metre of inside of the well with brick metal (50 mm to 63 mm size) including R.C.C. cover slab of 100 mm thick with cement concrete..... (SAIL/TATA/RINL)	2.000	Nos	15541.000	31082.00
86	Cutting hole through wall,roof or cornice and mending good all damages	25.000	Nos	68.000	1700.00
87	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 (A) (i) Single Socketed 3 Meter Length (a) 75 mm	40.000	Nos	196.000	7840.00
87.1	(b) 110 mm	70.000	Nos	292.000	20440.00

88	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 (B) Fittings (i) Coupler (a) 75 mm	5.000	Nos	46.000	230.00
88.1	(b) 110 mm	6.000	Nos	85.000	510.00
88.2	(ii) Plain Tee (a) 75 mm	7.000	Nos	46.000	322.00
88.3	(b) 110 mm	12.000	Nos	85.000	1020.00
88.4	(iii) Door Tee, (b) 110 mm	7.000	Nos	195.000	1365.00
88.5	(vi) Door Y (LH) & (RH), (b) 110 mm	5.000	Nos	276.000	1380.00
88.6	x) Bend 87.5° (a) 75 mm	6.000	Nos	61.000	366.00
88.7	(b) 110 mm	9.000	Nos	120.000	1080.00
88.8	xi) Door Bend (T.S.), 110 mm	4.000	Nos	147.000	588.00
88.9	xiv) Cross Tee with Door (a) 75 mm	5.000	Nos	216.000	1080.00
88.11	(b) 110 mm	6.000	Nos	239.000	1434.00
88.12	xv) Vent Cowl, 110 mm	6.000	Nos	33.000	198.00
88.13	xvi) Pipe Clip (a) 75 mm	22.000	Nos	16.000	352.00
88.14	(b) 110 mm	42.000	Nos	21.000	882.00
88.15	xviii) W.C. Connector (450 mm long) W / lipring (a) 75 mm	12.000	Nos	277.000	3324.00
88.16	xxiii) 110/110 S Trap (a) 75 mm	16.000	Nos	434.000	6944.00
88.17	xxvi) Reducer 110 X 75 mm, 75 mm	7.000	Nos	80.000	560.00
88.18	xxvii) Reducing Tee (110 X 75 mm), 75 mm	6.000	Nos	142.000	852.00
88.19	xlix) Door Gasket, 110 mm	17.000	Nos	8.000	136.00
89	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor)... (A) Above ground (a) 75 mm	40.000	mtr	45.000	1800.00
89.1	(b) 110 mm	70.000	mtr	57.000	3990.00
90	Supplying, fitting and fixing with cement jointing (3:1) salt glazed stoneware pipe including excavation of earth upto 1.50 metre depth in all sorts of soil both mixed or unmixed and refilling (but excluding concreting at bottom and sides). (iv) 100 mm	15.000	mtr	294.000	4410.00
91	Supplying, fitting and fixing C.I. round grating. 150 mm dia	15.000	Nos	85.000	1275.00
92	Supplying, fitting, fixing installation and testing 2 H.P centrifugal pump of approved brand and make as per instruction of E.I.C (Test certificate should be submitted at the time of delivery)	1.000	Nos	12500.000	12500.00
93	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete, C.I. brackets including two coats of painting to bracket etc.	22.000	Nos	1015.000	22330.00
94	ELECTRICAL Supplying and fixing 415V, TPN SFU with sheet steel enclosure on flat iron/angle iron frame on wall with nuts bolts etc incl. S & F 3 nos. DIN type HRC fuse as per rating. 100 Amp Make L&T	1	Each	6540.45	6540.45
95	Supplying and fixing Changeover switch with Sheet Steel enclosure on angle iron frame on wall with nuts bolts etc 100 Amp 415V FP Make Havels	1	Each	9789.15	9789.15
96	Supplying & fixing sheet metal (16 SWG) Iron Clad Busbar chambers on angle iron frame on wall, incl. earthing attachment and painting as required – (As per Drawing no. 470 of PWD Specification Book – May 1991) Dimension of Cu. Bars [85mm long] - 4 x 20 x 5 mm Dimension of Sheet Metal Box - 500x150mm 415 V, 200 A	1	Each	3955.35	3955.35

97	Supplying and fixing 415V, TPN SFU with sheet steel enclosure on flat iron/angle iron frame on wall with nuts bolts etc incl. S & F 3 nos. DIN type HRC fuse as per rating. 63 Amp Make L & T	3	Each	4239.9	12719.70
98	Supplying and fixing Sheet steel Main Switches on flat iron frame on wall 30/32 Amp 240 V DP with fuse on L&N Make Havells	2	Each	1340.85	2681.70
99	Supplying and fixing double door Horizontal TPN MCB Distribution board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment Make Legrand 4 way Enclosure (607715) along with a) FP S&F 415 V, 63 Amp MCB Isolator necessary connection. b) SP MCB 240V, 40 Amp-----12 Nos. Rate = {2851 + 845 + (12 x 422)} = 8760	3	SET	9198	27594.00
100	a) Supplying and fixing double-door (2+8) way SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. (Enclosure DPSNODRW08) (Havells make)	9	Each	1256.85	11311.65
101	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection SP MCB 6-32 A (Havells make)	72	Each	176.4	12700.80
102	Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection. 40A DP ISOLATOR (Havells make)	9	Each	218.4	1965.60
103	Supply & delivery at site 2 core 10 sq.mm armoured Aluminium conductor cable (GLOSTER/HAVELLS) for inter connection from TPN main switch to SPN DB	100	Mtr	240.08	24008.00
104	Supply & delivery at site 4 core 25 sq.mm armoured Aluminium conductor cable (GLOSTER/HAVELLS) for inter connection from 100 Amp main switch to KIT KAT FUSE	30	Mtr	986.7	29601.00
105	Laying of cable as below, after cutting floor/pavement/wall/ and making holes incl., embedding the cable at an average depth as below and mending good the damages to original finish incl. removing the rubbish From 2.5 sq mm to 35 sq mm at an average depth of 75 mm in floor/ pavement/ wall etc.	130	Mtr	133.35	17335.50
106	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables as below : 2 Core 10 sq.mm.	18	Each	120.75	2173.50
107	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables as below : 4 Core 25 sq.mm.	6	Each	170.1	1020.60

108	Finishing the end of following XLPE/PVC armoured cables by crimping method incl. supplying and fixing solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials : 2 Core 10 sq.mm.	18	Each	35.7	642.60
109	Finishing the end of following XLPE/PVC armoured cables by crimping method incl. supplying and fixing solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials : 4 Core 25 sq.mm.	6	Each	120.75	724.50
110	Supplying & fixing earth busbar of galvanized (Hot Dip) MS flat 40 mm x 6 mm on wall having clearance of 6 mm from wall including providing drilled holes on the busbar complete with GI bolts, nuts, washers, spacing insulators etc. as required	2	Mtr	203.7	407.40
111	Connecting the equipments to earth busbar including S & F GI (Hot Dip) wire of size as below on wall/floor with staples buried inside wall/floor as required and making connection to equipments with bolts, nuts, washers, cable lugs etc. as required and mending good damages (v) No. 12 SWG	200	Mtr	4.2	840.00
112	Earthing with 50 mm dia GI pipe 3.64 mm thick x 3.04 Mts. long and 1 x 4 SWG GI (Hot Dip) wire (4 Mts. long), 13 mm dia x 80 mm long GI bolts, double nuts, double washers incl. S & F 15 mm dia GI pipe protection (1 Mts. long) to be filled with bitumen partly under the ground level and partly above ground level driven to an average depth of 3.65 Mts. below the ground level as below: By TATA-Medium GI pipe	2	Set	1600.2	3200.40
113	Distribution wiring in 1.1 KV grade 2x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in suitable size PVC casing-capping (Precision make) with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, incl. necy. fittings etc. to light/fan/call bell point with Modular type switch (Brand approved by EIC) fixed on Modular GI switch board with top cover plate flushed in wall incl. mending good damages to original finish [PVC casingcapping on surface and Switch board concealed] Average run 6 mtr	118	Point	868.35	102465.30
113.1	Average run 8 mtr	150	Point	1029	154350.00
114	Distribution Wiring in 1.1 KV grade 2x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in suitable size PVC casing-capping (Precision make) with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, incl. necy. fittings etc. with S & F 6A 5 pin Modular type plug socket and switch (Brand approved by EIC) fixed on 4 Module GI / PVC switch board with 3/4 Module top cover plate on wall incl. necy. connection making earthing attachment, painting and mending good damages to building works [PVC casing capping and plug box both on surface] a) On Board	20	Point	226.8	4536.00
114.1	b) Average run 4.5 mtr.	55.00	Point	731.85	40251.75

115	Supply & Fixing 240 V, 16 A, 3 pin Modular type plug socket (Brand approved by EIC) with 16A Modular type switch, without plug top on 4 Module GI Modular type switch board with top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc. a) Blank Plate for modular box-----1no	20	Each	499.8	9996.00
116	Supplying & Delivery at site LED batten Tube light fitting (Philips make, model - BN021C LED20S PSU CW GR S2	100	Each	701.25	70125.00
117	Fixing only Single/twin fluorescent light fitting complete with all accessories directly on wall/Ceiling by screws etc.	100	Each	90.3	9030.00
118	Supplying and delivery at site LED Deco Mini (Make - Philips) on wall/ceiling complete with glass, Lamp etc. (Cat. No. DECO MINI 0.5W NIGHT BULB(HSN Code - 85395000)	6	Each	57.75	346.50
119	Supply & delivery at site 15 watt LED Bulb (Philips /Havells make model-New Adore 15W E27 CDL Ball Lamp), as per direction of EIC.	75	Each	247.5	18562.50
120	Supply & Fixing angular batten holder (Anchor) on 75mm dia PVC round block / round bakelite on wall/ceiling.	81	Each	39.9	3231.90
121	Fixing only 15 W LED lamp	81	Each	5.25	425.25
122	Supplying and delivery at site of 250 V AC ceiling fan Havells make of 1200 mm sweep, Model- Velocity/Speed Star/Spark , Colour- White/Brown/Ivory	50	Each	2598.75	129937.50
123	Fixing only Ceiling Fan Complete with Blades . Regulator ,Canopy ,Fort Rubber Bush etc. Incl. S & F. 1/1.40 PBC Standard wire & making necessary connection as required by 2x1.5 sqmm flexible copper wire	50	Each	69.3	3465.00
124	Supply & Fixing 60 Wt. Electronics Step-Socket type fan regulator (Anchor Make) on switch board after cutting Bakelite tip cover as per direction of EIC	50	Each	228.9	11445.00
125	Supplying and delivery at site 400 mm (16") sweep Wall Mounting fan of Havells make, Model - Swing/Platina, Colour - Ash Grey/Off white/Super white	5	Each	2742.3	13711.50
126	Fixing only cabin/wall mounting fan on wall/ceiling by S&F rag bolts, nuts & washers (6 mm dia x 62 mm long) or as reqd. incl. S&F 24/0.20 PVC insulated flexible copper wire 0.5 mt. length	5	Each	96.6	483.00
127	Supply and Delivery at site 250V Metal Exhaust Fan of 225 mm (9 inch) sweep single phase complete with all standard accessories and louver. Model - Trans Air 9" Havells / Crompton make	21	Each	1930.5	40540.50
128	Supply and Delivery of 250V Metal Exhaust Fan of 300 mm (12 inch) sweep single phase complete with all standard accessories and louver. Model - Trans Air 12" Havells / Crompton make	2	Each	2168.1	4336.20
129	Fixing Exhaust Fan after making Hole in wall & making good damages & smooth cement finish etc. as practicable as possible & providing necessary length of insulated wire & making connection for Exhaust of dia. a) 23 cm.(9")	21	Each	259.35	5446.35
129.1	b) 30 cm.(12")	2	Each	345.45	690.90

130	Supply & Fixing 240 V, 25 A, Modular type starter (Brand approved by EIC) with 25A Modular switch type DP MCB (CCurve) and 4 Module GI Modular type switch board with 4 Module top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc. (for future provision of AC machines)	4	Each	823.2	3292.80
131	Supplying and delivery at site 220-240V 36 Watt LED Outdoor type luminaires (Make: BRP 409 LED 040 CW HO MR FG S1 PSU GR)	8	Each	6765	54120.00
132	Fixing only Floodlight fittings on top of masonry structure by 3 Nos. 10 mm dia x 87 mm long rag bolts, nuts & double washers complete either 37 mm x 10 mm MS flat support/or by other means as required	8	Each	224.7	1797.60
133	Supplying and delivery at site LED Bulk head fitting (Make - Philips) on wall/ceiling complete with glass, Lamp etc. (Cat. No. WT 202W LED 6S CW PSU S2 PC)	5	Each	1320	6600.00
134	Fixing only bulk head ceiling fitting on wall /ceiling by screws etc.	5	Each	58.8	294.00
135	Wiring in 1.1 KV grade single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) of following sizes in 25mm PVC casing-capping (Precision make) incl. necy. PVC clips, fittings etc. (a) 2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) ECC in 20 mm size PVC rigid conduit 'FR' (Precision make) from TPN power DB to AC Starter & Plug Point.	250	Mtr	138.6	34650.00
136	Supplying & Fixing 240 V AC/DC superior type Ding-Dong Call Bell (Anchor) on HW board incl. S&F HW board.	2	Each	181.65	363.30
Total in Figures					17241421.42
Add GST @ 12% Rs.					2068970.57
Add Cess @ 1% Rs.					193103.92
Total Rs.					19503495.91