

GENERAL FUND 2015-16

ANNEXUR: VI

TIRUNELVELI CORPORATION/ULB
SECTION - 1

NOTICE INVITING TENDERS

Tender No : 39/2015-16
Name of Work :
E.M.D. :
Period for Completion :
Date and Time of Opening : **7.1.2016 @ 3.30pm**

1. For and on behalf of the Commissioner sealed tenders are invited in the form prescribed for the work mentioned above and will be received by the City Engineer at his office up to 3.00P.M. (as per office clock) **7.1.2016** from the registered contractors in appropriate class with a monetary limit prescribed . If the said date happens to be a holiday, the tender will be received up to 3.00 P.M. on the next working day.
2. Tenders will be opened by the City Engineer or by an officer authorized by the Commissioner in the absence of City Engineer for this purpose at 3.30 P.M. on the said date in the presence of tenderers or their authorized representatives if any & members of Tender Scrutiny Committee.
3. Tenders received after 3.00 P.M. (as per office clock) on the date notified for the receipt of tender will not be considered and will be returned to the tenderer unopened.
4. The tender documents will be issued at the prescribed cost to eligible contractors of appropriate class of registration and monetary limit. They shall also produce proof for having purchased the standard contract terms and Conditions of the Department and sign in the department copy also. If not they shall purchase the standard contract terms and conditions along with tender schedule on payment of Rs.250/- and sign the departmental copy.
5. If the eligible contractor requests tender document by post, an amount of Rs.25/- or actual postal charges whichever is higher must be paid in the form of money order to tender document issuing authority. The Department will not undertake, any responsibility for the damages or loss or delay caused in transit.

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6. Earnest Money Deposit in the form of Banker's cheque, Demand Draft Drawn at Tirunelveli in favor of Commissioner, Tirunelveli City Municipal Corporation or Savings instruments in the form of NSS, NSC, KVP, Post Office, SB deposits will be accepted. But these instruments should be pledged in favor of Commissioner. Tirunelveli City Municipal Corporation Tender received without pledging will be rejected. EMD remitted in any other form will not be accepted.

The EMD will not bear any interest. Tenders not accompanied by Earnest Money Deposit will be rejected. The Earnest Money Deposit will be returned to the unsuccessful tenderers with in 15 days from the date of disposal of tender. In the case of successful tenderers, the EMD will be retained and converted as security deposit.

7. Where a tenderer is exempted from Payment of EMD/SD the tenderer shall produce authenticated proof for such exemption.
8. The Corporation will not accept letter authorizing the Department to adjust amounts towards EMD/SD out of the dues payable by the Department to the tenderer.
9. The tenderer having filled in the letter of tender and schedules must sign each page and also authenticate any correction/modification or alteration and deliver the entire tender documents together with the EMD to the City Engineer before the last date and prescribed time for submission of tender in a sealed cover. The sealed cover must be superscripted as follows.
10. If the cover is not sealed and marked as instructed no responsibility will be assured for any misplacement of the tender or premature opening of the envelope or parcel and also unsealed tenders will be liable for rejection.
11. The tenderers may have the option to present the tender directly or to send it by Registered Post Acknowledgement due or by courier service so as to reach the tender inviting authority before the last date and time fixed. Any postal delay in this regard will not be considered.
12. No representation/appeal of any kind will be allowed against belated receipt of tenders or loss in transit etc.,
13. The Contractors registered with Corporation /Other State Boards and Department of Government of Tamil Nadu/Other State Government, Government of India/Railways Military Engineering Services in appropriate class for tendering

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- for works are eligible to tender for the work after obtaining standard contract terms and conditions of the Department by remitting Rs.250/- by cash and signing the departmental copy.
14. If the tender is made by individual, it shall be signed by him or his power of attorney in which case a certified copy of the registered power of attorney shall accompany the tender.
 15. If the tender is made by proprietary concern, it shall be signed by the proprietor with his usual signature and furnish his full name with the full name of firm and its current address or his power of attorney in which case a certified copy of the registered power of attorney shall accompany the tender.
 16. If it is made by the firm in partnership, it shall be signed by all the partners of the firm with their full names and current address, or by a partner holding the power of attorney for the firm by signing the tender in which case a certified copy of the registered power of attorney shall accompany the tender. A certified copy of the partnership deed, current address of all partners of the firm shall also accompany the tender.
 17. If the tender is made by a limited company a duly authorised person holding the power of attorney shall sign it and a certified copy of the registered power of attorney shall accompany the tender. Such limited company may be required to furnish satisfactory evidence of its existence before the contract is awarded.
 18. The tenderer shall read carefully the erratum if any, incorporated in the tender documents. At any time prior to the last date and time specified for submission of tender, the Corporation Commissioner may for any reason, whether at his own initiative or in response to a clarification requested by prospective tenderer, modify the tender documents by the issuance of an Addendum.
 19. The Addendum will be sent in writing or by Fax or by telegram to all prospective tenderers who have purchased the tender documents and will be binding upon them. Prospective tenderers shall promptly acknowledge the receipt thereof by letter to the City Engineer.
 20. In order to afford prospective tenderers reasonable time to take an Addendum into account in preparing their tenders, the Corporation Commissioner may, at his discretion, extend the last date and time for the submission of tenders.
 21. Each tenderer while submitting the tender must send a copy of valid certificate of Income Tax clearance from the appropriate Income Tax authority in the form prescribed there for.
 22. In the case of proprietary or partnership firm it will be necessary to produce the certificate above mentioned for the proprietor or proprietors and for each of the partner as the case may be.

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23. Each tenderer while submitting their tender must also send a copy of certificate of Sales Tax Clearance from the Commercial Tax Department in the form prescribed therefor.
24. The tenders received without the certificates as aforementioned are liable to be rejected.
25. The tenderers who are themselves not professionally qualified shall undertake to employ qualified technical personnel at their cost to look after the work. The tenderers shall therefore state in clear terms whether they are professionally qualified or whether they undertake to employ technical staff, with qualifications required by the Department (as indicated below) for the work. In case, the successful tenderer is professionally qualified or who has undertaken to employ technical staff, under him he shall see that one of the technically qualified staff is always present at the site of work during working hours personally checking all items of work and paying extra attention to such work which may demand special attention (e.g) R.C.C work etc. The scale of qualifications for the employment of technical staff and the rate of penalty for the failure on the part of the contractor to employ the technical staff for the work are as follows.

Sl. No.	Value of Contract	Scale and minimum Qualification prescribed for the employment of technical staff	Rate of Penalty
1	Above Rs.1.00 lakh and upto Rs.5.00 lakhs	One LCE/DCE/LSE holder or a retired JE/LSE (Civil) any of the Engineering Department	Rs.1000/- Per month
2	Above Rs.5.00 lakhs and upto Rs.10.00 lakhs	One B.E.(civil) or equivalent Engineering Degree with Atleast one year experience or Retired Asst.Exe.Engr. Of any of the Engg. Department.	Rs.2000/- per month
3	Above Rs.10.00 lakhs And upto Rs.25.00 lakhs	One B.E (civil) or equivalent Engineering Degree with atleast 3 years experience or retired AEE of any of the Engg. Department in addition to one LCD/DCE /LSE holder.	Rs.3000/- per month
4.	Above Rs.25.00 lakhs	One B.E.(civil) or equivalent	Rs.4000/- Signature of Bidder

month

degree holder in Civil Engineer- per

ing with 3 years experience or
retired AEE of any of the Engg.
Dept. plus LCE/DCE/LSE
Holders.

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26. The tenderers shall present satisfactory evidence to the CE/ME that they have been regularly engaged in such works they propose to execute and that they are fully prepared with the necessary capital, machinery and materials to begin the work promptly and to conduct it as required by the TamilNadu Building practice and the other specifications for the particular work tendered for in the event of their tender being accepted. The tenderer shall furnish details of works on hand, which are being executed by him in the proforma annexed.
 27. No alteration whatever may be made in the text of the tender documents. Any remarks or explanations shall be set out in a covering letter. The form of agreement is furnished so that the tenderers may know what their liabilities and duties are. The tenderer shall sign each and every page of the tender documents issued by the Department and entire documents shall be submitted.
 28. The rates quoted in the bill of quantities (Schedule A) shall be firm for finished work in site and no variation in the tendered rates is admissible.
 29. It must be clearly understood that the prices quoted in the tender are to include everything required to be done at site of work according to the conditions of contract and specifications and by the drawing their attention referred to and also, all such works as are necessary for the proper completion of the contract though special mention there of may have been omitted in the specification/drawings.
 30. The tenderer shall be solely responsible for the payment of all Central or State Government Taxes and levies etc. Rates of works shall remain unaltered by any change that may be made from time to time in the rate at which taxes and levies are payable.
 31. The rates shall be written both in figures and words legibly. Corrections if any shall be made by crossing out, initialing dating and rewriting, overwriting if any, shall also be initialed. Where rate is quoted in whole Rupees Without any decimal fraction, the word "only" shall be inserted after the rate quoted to prevent any manipulation. For example a rate quoted as "Rupees eight hundred" shall read "Rupees eight hundred only" after the insertion.
 32. When there is difference in rate quoted by the tenderer in figure and in words, then the rate quoted in words only will be considered. If there is a discrepancy
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- between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit prices shall prevail and the total price shall be corrected. The gross total amount of the tender will be finalized accordingly. If the contractor does not accept the correction of the errors, his bid will be rejected.
33. The tenders shall be valid for acceptance of a period of 90 days from the date of opening of tenders.
 34. Attention of the tenderer is drawn to the following declaration, which forms part of the letter of Tender to be signed by the tenderer. "I/We agree that I/We will not withdraw the tender during the period that will be required for intimation of acceptance or non acceptance as stipulated in the notice inviting tender or during such extended period as agreed by me/us, and if I/We do so withdraw, I/We shall forfeit the EMD to the Department. Failure to sign the letter of tender will result in rejection of the tender.
 35. The tenderer or his/their authorized agent is expected to be present at the time of opening of tenders. The tender receiving officer will on opening each tender prepare a statement of the attested and unattested correction there in and hand it over to the tenderer concerned and initial all such corrections in the presence of the tenderer. If any tenderer or his/agent is not present at the time then the tender receiving officer will on opening the tender make an entry that the tenderer was absent and attest the corrections himself which the absentee tenderer shall accept without any question whatsoever.
 36. The acceptance of the tender by the tender accepting authority shall be deemed to result in and constitute a valid and concluded contract binding on the tenderer notwithstanding the non execution of the contract agreement.
 37. In respect of the successful tenderer, the EMD remitted along with the tender shall be converted as Security Deposit. If the EMD received along with the tender is in the form of NCS/NSS/Post office Savings Account pledged in favor of concerned Corporation Commissioner, The EMD remitted in any other approved forms by the successful tenderer converted to security deposit and he will be called upon to pay difference between 2% contract value and EMD remitted by the notified that and before signing the contract agreement.
 38. It is open to the Corporation Council to insist on a higher security deposit upto a maximum of 10% of the contract value, wherever the Department feels necessary.
 39. The successful tenderer shall enter into an Agreement in the prescribed form in a non-judicial stamp paper having a face value of not less than Rs.10.50 purchased in his favor at his cost within 15 days after notification of the acceptance of his/their tender. If the successful tenderer fails to execute the agreement within the stipulated time, the work order will be cancelled and EMD forfeited.

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40. The tenderer shall examine closely the standard contract terms and conditions of Department and the Tamilnadu Building practice and also other specifications and general conditions of contract contained therein before submitting his/their rates which shall be for finished work it site. He/they shall also carefully study the drawings additional specifications and all the documents connected with the contract.
41. Every tenderer is expected before quoting his rates to inspect the site of the proposed work. He shall also inspect the quarries and satisfy himself about the quality and availability of materials. The names of quarries, kilns etc., where from certain materials are to be obtained will be given in the lead statement (Schedule C) In every case the material must comply with the relevant standard specification and only the best class of materials shall be used on the work. No extra charge shall be claimed towards extra lead or for any other reason later on after the acceptance of contract.
42. The tenderer shall quote specific rates for each item in the (Schedule A) Bill of quantities. The rates and prices entered in the schedules are to cover all the works and details described in the specifications or shown in the drawings and it is to be distinctly understood that no claim will be entertained which is based on the circumstances that works may be described in the specifications to which apparently no corresponding item is given in the schedules. Tenderer offering a percentage deduction from or increase on the estimate amount and those not submitted in proper form will be rejected, except in case of percentage tender system.
43. It shall be definitely understood that the Dept does not accept any responsibility on the correctness or completeness of the Bill of quantities (Schedule A) accompanying this tender notice and that this Bill of quantities is liable to alteration by omission deductions or additions at the discretion of the Corporation Engineer or as set forth in the conditions of contract.
44. A tenderer submitting a quotation which the tender accepting authority considers very exorbitant and/or unreasonably low indicative of the tenderer not having understood the implications in the contract or is attempting to frustrate the object of the Department or to exploit the Board, will render himself liable to be debarred from tendering for such period as the tender accepting authority may decide.
45. No part of the contract shall be sublet without the written permission of the Commissioner nor shall transfer be made by power of attorney authorizing others to receive payment on the contractor's behalf. In the case of individual of proprietary firm or firm in partnership or limited company the holder of power of attorney may be allowed to receive the materials, to receive cheques and to participate in the opening of tenders, signing of tenders, agreement duly furnishing the certified copy of the registered power of attorney and signing

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acceptance of measurements in M. Books provided that these powers are delegated in the Registered power of attorney.

46. The tenderer shall ensure the rate of progress as stipulated in (Schedule AA).
47. If the contractor fails to undertake to commence the work within 30 days after notification of the acceptance of his/their tender, the EMD/Security Deposit will be forfeited and contract is liable to be cancelled or terminated and the Corporation Commissioner concerned may there upon at such times as he may think fit, arrange through any other person or persons to undertake or perform, provide, execute and do all works, materials or matters and things described in the tender schedule at the risk and cost of contractor.
48. Tenderers shall give in their tender their place of residence and office with full postal address. The delivering at the above named place or postings in a post box regularly maintained by the post office Department, or sending letter by registered post for acknowledgement of any notice, letter or other communication to the contractor shall be deemed sufficient service there of upon the contractor.
49. When the value of work put to tender is more than 25lakhs, the tenderers will be prequalified for offering their tender. The prequalification bids will be given to the eligible contractor (with class and monetary limit) as specified by the department free of cost on the request. The tender schedule will be issued only to the prequalified contractors/firms.
50. The Corporation council reserves the right to reject all or any of the tenders without assigning any reasons for so doing.
51. Tenders submitted by non registered or ineligible contractors will not be considered and will be returned to them unopened.
52. Tender received from black listed, debarred, or in eligible contractors will not be Considered and will be returned to them unopened.

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SECTION: II

GENERAL CONDITIONS OF CONTRACT DEFENITIONS AND INTERPRETATIONS

1. (1) In the contract, as hereinafter defined; the following words and expressions shall have the meanings hereby assigned to them except where the contract otherwise refers.
 - a. “Approved” means approved in writing including subsequent written confirmation of previous verbal and “approval” in writing as aforesaid.
 - b. The dept. means the Corporation.
 - c. “Contract” means the notice inviting tenders, letter tender, general conditions of contract, specifications, drawings, bill of quantities showing approximate quantities, quoted rates and amount against each item, rate of progress and the contract Agreement.
 - d. “Contractor” means the person or persons, firm or company whose tender has been accepted by the Corporation and includes the contractor’s personal representatives, successors, heirs, executors and administrators, unless excluded by the contract and permitted assignees.
 - e. “Contract price” means the sum named in the tender subject to such additions thereto or deductions there from as may be made under the provisions of the contract.
 - f. “Constructional Plant” means all appliances or things of whatever nature required in or about the execution, completion or maintenance of the works or temporary works (as hereinafter defined) but dose not include materials or other things intended to form or forming part of the permanent work or temporary housing, hutting, office stores etc.,
 - g. “Drawing “ means the drawing referred to in the specifications and any modification of such drawing approved in writing by the Engineer and such other drawings as may from time to time be furnished or approved in writing by the Engineer.
 - g. “Department” wherever occurring may be deemed to refer to the Corporation.
 - h. “Engineer” means City Engineer or any other engineer appointed from time to time by the department to act as such in connection with these works. Whenever

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any work is specified to be done or materials supplied to the satisfaction of the Engineer, it shall be taken as including his properly authorized assistants and duly authorized representatives.

- i. 'Site' means the land and other places envisaged by the dept where the work or works are to be executed or carried out.
- j. 'Specifications' means the standard specifications of TNPWD or Highways and any particular specifications set out for this particular contract. In the absence of any specification issued by the Department, the specifications issued by the Bureau of Indian Standard or sound engineering practice will apply.
- k. "Temporary Works" means all temporary works of every kind required in or about the execution, completion or maintenance of the work.
- l. "Test" means such test or test or tests as are prescribed by the specifications or considered necessary by the Engineer.
- m. "Work" means works to be constructed, completed and maintained in accordance with the contract.

2. **SINGULAR AND PLURAL**

Words importing the singular only also include the plural and vice versa where the contract requires. Words importing persons shall include any incorporated company or a registered association or body of individuals or a firm of partnership.

HEADINGS OR NOTES

The clause headings or marginal notes in these general conditions shall not be deemed to be part thereof or be taken into consideration in the interpretation or construction there of the contract.

4. **WORKS COMPRISED IN THE CONTRACT**

This contract comprises the execution and completion of the work described or mentioned in these specifications and in the schedules here to, annexed and shown upon the drawings herein referred to, and all extra works which may be ordered under the powers herein contained. The drawings, specifications, schedules etc., are to be considered as explanatory of each other and no advantage shall be taken of any omission in any of these documents.

5. **DISCREPANCIES**

Should any discrepancy appear in any of the documents and drawings included in the contract, or between different parts of the same documents, or any ambiguity or insufficiency of information the contractor shall point out the same to the Engineer in writing and receive his instruction, explanation or decision in the matter, before quotating the tender?

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6. OMISSIONS

In the event of anything reasonably necessary or proper to the due and complete performance of the work (of which the Engineer shall be the sole judge) being omitted to be shown or described in the drawings, specification and schedules, the contractor shall execute and provide at the rates noted in the bill of quantities (Schedule 'A') all such omitted works and things as if they had been severally shown and described and according to the directions of the Engineer and to his satisfaction.

7. BILL OF QUANTITIES (SCHEDULE –A)

The contractor shall not be held responsible for the accuracy of the quantities set out in the schedules hereto attached but only for the accuracy of the prices, amount and totals therein appearing. The rate for each item of the work in the schedule shall be inclusive of the costs and charges of all materials labour, tools and plant necessary for the full and complete execution of the work as described in the specification and schedule unless otherwise specified and for the due fulfillment of all the requirements relating thereto as specified in the contract. If any errors, omission of misstatement shall be discovered in the said quantities the same shall not vitiate the contract or release the contractor from the execution and completion of the whole or any part of the said works or from any of the obligations or liabilities of the contractor under this contract or entitle the contractor to any damages or compensation from the Board.

8. PREPARATION OF CERTIFICATES

In presenting the interim or final certificates of payment of the contractor, the Engineer shall take into account the total quantities of work included in this contract as set out in the priced bills of quantities and should it appear after measurement that these quantities of work have been exceeded, he shall certify the amount so exceeded after getting the deviations approved by competent authority.

9. NET MEASUREMENT

Should the final measurement of the work show that the total quantities of the various works executed are less than those set out in the bills of quantities the Engineer shall in like manner deduct at appropriate quoted rates the value of such difference from the total sum of the contract. The measurements above referred to will be taken and recorded as prescribed in the TNBP (latest edition).

10. DRAWINGS

The drawings referred to in the contract will be detailed in Schedule-B. they are signed by the Engineer authorized by the Department. The Engineer may issue such further or amended drawings as he shall from time to time think fit and all such drawings signed by him shall be held to be included in this contract. The Engineer will furnish working drawings from time to time to the Contractor. Contractor shall use no drawings unless the Engineer has signed it.

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11. CONTRACT GENERAL EXPLANATION

The works under the contract and every addition, alteration or deviation directed to be executed under the contract or that may be necessary or properly to be done in order to perfect and complete the same shall be executed by the contractor in the best and most substantial and workman like manner, with materials of the best and approved quality of their respective kinds, according to the particulars contained in or implied by the specification and schedule attached and the said drawings referred to or such other, additional particulars, explanations and drawings as may be given or approved by the Engineer, and to the full and entire satisfactions and directions from time to time and at all times to inspect, examine and test the materials and workmanship and may at any time reject any or all of several purposes they are applied or not in accordance with the said, bills of quantities, specifications drawings, instructions or directions.

12. CONTRACTOR'S LIABILITY

The Contractor shall be absolutely and solely responsible for whatever damages may be caused by or result from the execution of the works, whether these may have been carried out skillfully and carefully and strictly in conformity with the provisions of the specification or not. To this end the contractor shall at his expense, shore, sling, project, support, alter, restore and make good all houses, bridges, barns, buildings, drains, culverts, water mains, sewers, electric posts. Fences or any other properties or things which may be disturbed or damaged during the execution of the works. If he fails to do so, the same shall be carried out by the Engineer and the cost there of recovered from the contractor. Care shall be taken out to move without the consent of the proper authorities, any pipe, culvert, cable, pole wire, building or other structures. If instructed by the Engineer in writing, the contractor shall construct permanent supporting works, or the position of any existing work shall be changed. Such permanent work that may be ordered in working by the Engineer, if specified by him to be an extra work, will be paid for on the valuation fixed by the Engineer.

13. POWER TO VARY WORK

The description of work required to be executed by the contractor are set forth in the specifications, schedules and in the drawings, but the Engineer reserves the power to vary, extended or diminish the quantities of work, to alter the line, level, or position of any work to increase, change or decrease the size, quantity, quality, description, character or kind of any work, to order the contractor to execute the works or any part there of , by day or night work, or to add to or take from the work included in the contract as he may think proper without violating the contract and the contractor shall not have any claim upon the dept for any such variation, extension, diminution, alteration, increase, change or decrease other than for the work actually done, calculated according to the prices tendered and accepted in this contract.

14. EXTRA FOR VARIED WORKS

Any unforeseen additional work that may become necessary and is accordingly, carried out under the contract under proper written orders from the Corporation

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Commissioner and shall be measured and Valued by the Engineer at the rates contained in the contractor's original agreement and if these rates do not apply then prior to execution of the additional work, a rate for such work shall ordinarily be agreed upon and entered in a supplement schedule and signed by both the Engineer and the contractor. If it is not possible to arrive at such an agreement, then the contractor shall be paid according to cost of labour employed and the materials used to which will be added 10(ten) percent to cover the profit on the said work on his delivery of necessary vouchers to the Engineer.

15. NOTICES REG. SHORING ETC.,

In any case in which works of shoring or other works for the protection or security of buildings are necessary, the contractor shall within a reasonable period before the execution of such works serve notices upon the occupiers of the buildings intended to be shored up or otherwise secured and upon all other parties entitled to notice, apprising them respectively that such works are necessary, that the contractor is about to execute the same and will, at a time to be specified in such notice, enter upon the premises for the purpose of executing such works.

16. CONTRACTOR TO BE RESPONSIBLE FOR ALL TRESPASSES AND DAMAGES

- a. In the event of accident to any persons including employees of the Department on duty, damages to property, trespass on land, injury to animals or damage injury of any description to any person or thing arising out of the execution of the work, the contractor shall be held responsible for and make good the same and shall indemnify the Department from all claims or expenses on account thereof, any if the Department has to pay and money in respect thereof,

the sum so paid and the costs incurred by the Department shall be charged to the contractor as so much money paid to him on account of his contract and the contractor shall not be at liberty to dispute or question the right of the Department to make such payment for him or his account, notwithstanding the same may have been made without his consent or authority, and decision or determination in law or other wise to the contrary notwithstanding.

- b) The Department shall not be liable to, for or in respect of any damages or compensation or claim to there for, under any Act for the time being in force or common law because or by reason or in consequence of any accident or injuries to workmen or others in the employment of the contractor or any Sub-Contractor or of any person acting under him or on his behalf or the staff/persons employed by the Department for supervision of the work under his contract and contractor shall save the Department harmless and indemnify in respect thereof and of any and all costs and expenses incident there to or consequent thereon.
- c) On the occurrence of accident which results in the death of any of the workman employed by the contractor or which is so serious as likely to result in the death of any such workmen, the contractor shall, within 24 hours of the

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happening of such accident, intimate in writing to the Engineer the fact of such accident. The Contractor shall indemnify the Department against all loss or damage sustained by the Department resulting directly or indirectly from his failure to give intimation in the manner aforesaid including the penalties or fines if any payable by the Department as a consequence of Department failure to give notice under the workman compensation Act or otherwise conform to the provisions of the said Act in regard to such accident.

17. ACCESS TO WORK

The contractor shall ascertain himself of the number and nature of the existing roads and cart tracks available for access to the site of the work and make due provision in the rate for any difficulty involved in carting materials and surplus excavation.

18. CONTRACTOR NOT TO COMMENCE WORK ON PRIVATE PROPERTY UNTIL AUTHORISED

The contractor shall not commence any work in or upon under across or through any land, house building, shed, yard, area, roadway, ground, garden or any other place being private property until authorised in writing by the Engineer so to do.

19. TEST

Every part of the works all the materials to be used therein shall be subjected to such tests from time to time during the execution of the work as the Engineer may direct and the whole of such tests shall in all cases be made at the contractor's sole expenses.

20. CONTRACTOR RESPONSIBLE FOR FINISHED ACCURACY OF WORK.

The work will be set out by the engineer who will give proper lines positions, level, depths, and particulars on the ground-the contractor providing poles, rails bowing rods, straight edges struts, pegs etc., and all labour for fixing the same. The contractor must check and satisfy him of the accuracy of such setting out and shall be responsible for the same and for the finished accuracy of the work in accordance with the contract. The contractor shall take every care that the pegs or pillars for levels or lines are carefully preserved from disturbances. Should he neglect this precaution the cost of resetting shall be born by him?

21. WORKS UNDER THE CONTROL OF THE ENGINEER WHO MAY REJECT MATERIALS OR WORKMANSHIP

- a) The work shall be carried on and completed under the exclusive control, direction and supervision and to the satisfaction of the Engineer. The Engineer shall likewise have full power to reject or condemn any workmanship or materials that he may deem unsuitable. In case of workmanship or materials being rejected by the Engineer, the contractor shall immediately remove and replace the same to the satisfaction of the Engineer, or the Engineer is hereby authorised to remove and replace the same, deducting the value of the work

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rejected or material removed or the cost of replacing the same, as he may think proper, from any amount due or that may become due to the contractor.

22. CONTRACTOR LIABLE FOR MATERIALS SUPPLIED BY DEPARTMENT.

- a) The contractor shall be responsible for all materials and other articles and things which may be supplied by Department from the time he takes delivery thereof and shall use them only for the purposes of this contract and shall make good any loss, break ages, damages, wastage or undue wear and tear that may take place from whatever cause and pay to Department for such loss, damage, wastage or undue wear and tear such sum as the Engineer may determine.
- b) The contractor shall take insurance for the total cost of the materials involved in the contract. The insurance premium will have to be paid by the contractor.
- c) The contractor shall have an account of all materials and other articles and things that are supplied by the Department from time to time and also inform to the Engineer place of storing etc. the Engineer is authorised to inspect such stores as and when required.
- d) As and when the Engineer inspects the site of work the contractor shall produce the materials available at site as on that date. If any shortage is noticed the Engineer who has actually verified the stores is empowered to recover the cost from the contractor's bills or dues from this or any other work or from security deposit.

23. CONTRACTOR'S SUPERVISION OF WORK

- a) The contractor shall give or provide all necessary superintendence during execution of the works and as long there after as the Engineer may consider necessary. Such superintendence shall be given by suitable person having adequate knowledge of the operations to be carried out (including the methods and techniques required, the hazards likely to be encountered and methods of preventing accidents) as may be requisite for the satisfactory construction of the works.
- b) The contractor or a competent and authorised agent or representative approved of in writing by the Engineer (which approval may at any time be with drawn) is to be constantly on the works and shall give his attention whole time to the superintendence of the same. Such authorised agent or representative shall be in full charge of the works and shall receive on behalf of the contractor directions and instructions from the Engineer. The contractor or such authorised agent or representative shall be responsible for the safety of all operations. Such authorised agent/representative shall on behalf of the contractor receive and have charge of at the site of the works, all drawing, specifications and schedule and of all writings, papers, and documents (or copies thereof) which may be delivered to or for the use of the contractor or

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for his guidance, and such authorised agent or representative shall also on behalf of the contractor receive, execute and obey all such instructions, and directions as may be given by the Engineer, and he shall not be changed without the consent of the Engineer. Instructions given to such authorised agent or representative shall be considered as having below given to the contractor.

24. SITE ORDER BOOK

An order book will be kept by the (JE/AE) in charge at the site of the works. Orders entered in this book by the Engineer, or any higher authorities shall hold to have been formally communicated to the contractor. The (JE/AE) will sign each order as it is entered, and will hand over the duplicate to the contractor or his agent, who shall sign the original in acknowledgement of having received the order, or he can acknowledge receipt of orders in the Book itself.

25. LEVELS ETC

The levels and the other particulars shown upon the drawings such as the size and position of existing main, cables, Railway lines, storm water, drain etc., are believed to be correct, but the contractor must verify the same, as well as all other particulars of the contract on the ground, and he will be held responsible for the consequence of any error contained therein or omission therefrom.

26. EXCLUDED MATTER

It is to be distinctly understood that the specifications are to receive their strict literal interpretations and that the works are in all respects to be carried out in accordance with them and the drawings, to the satisfaction of the Engineer.

The decision, opinion, certificate or valuation of the Engineer with respect to all or any of the following matters shall be final and without appeal.

- a) The true intent or meaning of drawings.
- b) The quality of the work carried out or materials supplied by the contract.
- c) Any requirements of the Engineer under clause 29
- d) Measurements recorded in the measurement book.

27. CORPORATION MAY OCCUPY THE SITE AND EMPLOY OTHER CONTRACTORS.

The Corporation expressly reserve to themselves the right to occupy for their own purposes of whatever kind, at any time and for so long a time as Engineer may by notice in writing to the contractor require, any portion or portions of the site of the works, whether the works to be executed thereon be commenced or be in progress or completed, and to employ thereon agents and workmen other than the Contractor in the execution of any work not the subject of the contract and the contractor shall not obstruct such agents and workmen, but without extra charge and without relief from any liabilities or responsibilities incurred under the contract shall allow and provide them unrestricted access thereto and such facilities as in the judgment of Engineer may by him be reasonably demanded.

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28. TEMPORARY DIVERSION OF ROADS AND COMMENCEMENT OF WORK.

a) During execution of the works the Contractor shall make at his cost all necessary provision for the temporary diversion of roads, cart tracks, footpaths, drains, water courses, channels etc., shall he fail to do so, the same shall be done by the Engineer and the cost thereof recovered from the Contractor.

b) The contractor shall furnish a “PERT” chart before commencement of the work.

c) The contractor must commence, execute and complete with such expedition as the Engineer shall require in a manner satisfactory to the Engineer all works for which he had accepted orders. Before commencing the work the contractor shall collect at the site all necessary materials required for the work. If required by the Engineer, the contractor shall commence and proceed with the work, at more than one place pointed out by the Engineer. He shall employ such numbers of men as may be considered necessary by the Engineer for the efficient and expeditious execution of the work.

WORKS ON PIPE LINES ALONG ROADS

D) Before commencing the work, the contractor shall collect at the site all necessary materials required for timbering not less than 15% of the length involved in the contract subject to a minimum of 100m. if required by the Engineer the Contractor shall commence and proceed with the work at more than one place pointed out by the Engineer along with the length of the pipelines included in the contract. He shall break up road way or ground only in such length at such times and at such places as may be ordered by the Engineer. The Engineer will from time to time lay down the minimum rate of progress for all classes of work based on the availability of pipes and other materials to be supplied by the Board and the Contractor must strictly adhere to the rates so laid down.

e) For all other works, within 7days from the date of handing over the site, the contractor shall submit to the Engineer for his approval a programme showing the order of sequence which he proposes to carry out the works within the stipulated period for the completion of work and thereafter shall furnish such further details and information as the Engineer may reasonably require in regard thereto. The contractor shall also indicate in his programme the date of completion of each section/subhead included in the contract.

f) If the contractor does not maintain the tempo of works and maintain the rates of progress in the said manner, the Corporation Commissioner shall have the powers without vitiating the contract and he is authorised to take the whole or any part of

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works from the Contractor and execute it either by direct labour or through the medium of other parties at the Contractor's risk and cost.

g) For judging the progress of the work, the contractor shall submit to the Engineer a monthly progress report in the form given below showing the correct progress of work each month so as to reach the Engineer not later than the sixth of every succeeding month.

Descrip Tion of Work	Qty of work done up To end Of last Month	Qty of work done during the month	Total Qty done upto date	Total Qty to be done upto the month as per pro- gramme	Diff. more or less (5-4)	Re- marks
1	2	3	4	5	6	7

29. PENALTY FOR SLOW PROGRESS

If the contractor fails to maintain the rate of progress of work as stipulated in clause 27, the Engineer shall have the power to impose as penalty such amount as he may deem fit for every day that the work remains uncompleted or unfinished after the proper date provided however the total amount of penalty imposed during the stipulated period of completion of the work shall not exceed 5% of the Contract value.

30. SKILLED WORKMEN TO BE EMPLOYED

Contractor shall employ in and about the execution of the works only such persons as are careful skilled and experienced in their several trades and callings and the Engineer shall be at liberty to object to and request the Contractor to remove from the works any person employed by the Contractor in or about the execution, of the works who in the opinion of the Engineer misconduct himself or incompetent or negligent in the proper performance of his duties and such persons shall not be again employed upon the works without the permission of the Engineer.

31. NOTICE TO TELEPHONE RAILWAY AND ELECTRIC SUPPLY UNDERTAKING.

The contractor shall give all notices required by any law or custom or as directed by Engineer and whether notice be so required or so directed or not, shall in all cases

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give due and sufficient notice to all persons and authorities having charge of the telegraph water and other pipes, sewers, culverts, drains, water courses railway, telephone, highways, roads, streets, foot and carriage highways, pavement and other works, prior to commencements and at the completion of any work under this contract in order that the proper bodies or persons and see the works within their jurisdiction and all matters and things incidental and appurtenant thereto are secured, re-laid or reinstated in a proper and satisfactory manner and so that such bodies and persons may be enabled to attend and secure, shore up, alter the position or remove, relay and reinstate the works and things belonging to them but the contractor notwithstanding any notice given aforesaid shall be chargeable and responsible for the proper protection and restoration of all matters and things herein referred to.

32. OPENING FOR EXAMINATION.

No work shall be covered up until it has been examined by the Engineer & directions given by him to that effect and if the contractor covers up any work before it has been so examined, he shall uncover the same when required by the Engineer at his expense and shall the Engineer require it for his further satisfaction, the Contractor shall at any period during the continuance of his contract pull down any part of the works and make such opening and to such extent through any part of the said works as the Engineer may direct and the Contractor shall make good the same again to the satisfaction of the Engineer at the Contractor's cost

33. NIGHT WORK

The works shall without extra charges be carried on day and night without intermission shall there be any cause whatsoever which in the judgment of the Engineer, shall require it but no work shall be carried on in the night or on Sundays or in other than ordinary working hours without the prior sanction of the Engineer in writing save when the work is unavoidable or absolutely necessary for the sake of life or property or for the safety of the works in which case the contractor shall immediately advise the Engineer.

34. WATCHING AND LIGHTING

The contractor shall at his expenses provide at the site of works sufficient lighting and watching and fencing by night and by day and shall in every respect conform to the police regulation in these matters and he shall free and relieve the Department. Should be neglect to do so, the same shall be provided by the Engineer and the cost thereof recovered from the Contractor.

35. PUMPING ETC

The Contractor shall at his expense pump out or otherwise remove any water which may during the continuance of the contract be found in the mains, cuttings, excavations, banks, foundations, trenches or Works and may hamper the programme of all the works and be detrimental to the quality of work and shall provide all dams, pipes, drains, chutes, sumps and other means necessary for keeping the works thoroughly drained and clear of water below the lowest level of any part of the work

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as long as may be required by the Engineer and if considered necessary by the Engineer continuously day and night, by pumping with hand or steam or oil or other pumps and engines without damaging the existing or new structures nearby during the operation. Where required by the Engineer, sumps are to be sunk and the pumps fixed outside the trenches. The contractor will not be allowed except by written sanction of the Engineer to use any sewers (including those finished by himself) to carry or serve as an outlet for any water or sewage.

36. FILLING HOLES AND TRENCHES ETC.,

The contractor immediately upon completion of the works shall fill up holes and trenches which may have been made or dug, level the mounds, or heaps of earth that may have been raised or made, and clear away all rubbish which may have become superfluous or have been occasioned or made in the execution of the works and the Contractor shall bear and pay all costs, charges, damages and expenses which may be incurred or sustained on account or in consequence of any accident which may happen by means of holes and trenches connected with the works being dug and left unfenced or materials being left or placed in improper locations.

37. PROVISION FOR EXISTING DRAINAGE ETC.

The contractor shall make all necessary provision for permanent sewage water now discharging through the existing sewers, pipes, culverts, channels and drains. Such conveyance is to be carried out in a proper and workman like and hygienic manner to the satisfaction of the Engineer.

38. CONTRACTOR TO JOIN UP WITH WORK ALREADY EXECUTED

The contractor will be required at his cost to bond into join up with and continue any work already done by the Department and shall do all the work necessary in order to ensure a perfect junction between existing and new work which shall be thoroughly cleaned and wetted if required.

39. MATERIALS IMPLEMENTS AND LABOUR PROVIDED BY THE CONTRACTOR

Except for such materials as are herein stated to be supplied by the Department, the contractor shall at his cost and charges furnish all materials, planks, timber, carts, wagons, trucks, lights, pumps and cranes, iron work and metal work and also all plant, power and labour and everything necessary for the full and complete performance of this contract, including the constructions, erection and maintenance of all fences, roadways paths and bridge ways for the traffic and he shall in like manner furnish lights and watchman and everything necessary for the safety of the public for the protection of properties adjoining the said contract works.

40. ENGINEER TO HAVE RIGHT TO INSPECT PLACES FROM WHERE MATERIALS ARE OBTAINED.

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All places wherein any materials are being made or obtained for the works and the whole of the process connected therewith and all the other operations of the contractor or any authorised sub-contractor, manufacturer and tradesman shall be open to the inspection and control of the Engineer, and all persons authorised by him at all times.

41 MATERIALS AND WORKMANSHIP-INFERIOR WORK TO BE RECTIFIED

If any materials brought upon the site or works on to the places where any operation have been or being carried out in connection with or for the purposes of the work, be in the judgment of the Engineer are inferior or improper description or improper to be used in the work the said materials or workmanship shall where required by the said officer be removed or amended by the contractor forthwith or within such period or periods as the said officer may direct. In case of each and every breach by the contractor of this clause the Engineer is hereby authorised to remove or cause to be removed the materials and workmanship so objected to or any part thereof, and replace the same with such other materials and workmanship as shall be satisfactory to him at the risk and cost of the contractor and for this purpose the cost certified by the Engineer shall be final.

42. PROCEEDING IN CASE OF DEFECTIVE WORK OF NEGLECT

The provisions of the preceding clause shall also apply in the event of the contractor refusing or neglecting to pull down amend and reconstruct any work which, in the opinion of the Engineer, shall have been erected on insecure or insufficient foundation or shall not have been sufficiently secured and protected against immediate and future damage, pressure, action of water or otherwise, on being required so to do by the Engineer and within the period directed by him.

43. PLANT ETC. NOT TO BE REMOVED WITHOUT ENGINEER'S CONSENT

The plant tools and materials provided by the contractor shall, from the time they are brought to the site of the work and during the construction and until the satisfactory completion of the contract become and continue to be property of the Department and the contractor shall not remove the same or any part thereof without the consent in writing of the Engineer.

44. CONTRACTOR NOT TO OCCUPY LAND ETC, AFTER NOTICE FROM THE ENGINEER.

In no case shall the contractor continue to use or occupy or allow to be used or occupy any land or property either for the deposit of materials or plant or for any purpose whatever, after written notice from the Engineer is issued to the contractor at his usual or last known place of business and sent through the post office or other

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modes of delivery requiring the contractor to remove or cause to be removed all such materials from any such land or property as aforesaid or to give vacant possession of such land or property to the Engineer should any such materials or plant remain upon any such land or property or any such land or property remain occupied or be used after such notice for any purpose whatsoever as aforesaid, then and in every such case and as often as the same shall happen the contractor shall forfeit and on demand pay to the Department charges fixed by the Engineer as and for liquidated and ascertained damages for each and every day during which the said lands or property are so used and occupied as aforesaid from the time such notice has been given.

45. **RESPONSIBILITY FOR ACCIDENTS DAMAGES ETC**

The care of the whole of permanent works until their completion as defined in clause 50 and for the period prescribed in clause 59 and of the whole of the temporary works until their removal shall remain with the contractors who shall be responsible for all accidents or damages from whatever cause arising and chargeable for anything that may be stolen, removed, destroyed or damaged to whomsoever belonging and also for making good all defect and damages to the said works or to any property adjoining or any cause whatever,

Whether such damage or defects were occasioned by the negligence of the contractor or not or may be or might have been discovered during the progress of the works or in consequence there of, or shall appear to be known after the completion whereof or whether payment may wholly or partially have been made or the works approved as supposed to have been properly done any no certificate of approval of any works by any officer or members of the Department shall affect or prejudice the right of the Department against the contractor or be considered or held as at all conclusive as to the sufficiency of any works or materials.

46. **SCAFFOLDING INSTRUCTIONS**

All requisite scaffolding shall be provided at the contractor's expense and shall be double legged, i.e., it must have two sets of upright supports. Care must be taken to ensure the safety of the work people and the contractor must comply with such instructions as the Engineer may issue to ensure such safety. The contractor will be entirely responsible for any damage or injuries to persons or property resulting from this respect. In this connection the contractor's attention is invited to the P.W.D safety code prescribed in the T.N.B.P.

47. **BLASTING**

Blasting executed by contractors in connection with the Department's works shall be carried out in the manner described under Blasting operation Instructions to contractors in T.N.B.P the contractor is to protect the whole of the adjoining and where necessary the existing premises and all works and all fittings to all building on and adjoining the site against the structural and decorative damages caused by the execution of these works and make good in all respects all such damage done or

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occurring to the same and leave such reinstatement in perfect order. He is also to make good/nay damage done to private footways and roadways.

48 COMPLETED WORKS TO BE DELIVERED THEN AND THERE

Portions of work ordered by the Engineer according to the minimum rate of progress, referred to in clause 27 above will have to carried out and completed in all respects and delivered to the Corporation in a clean and perfect condition within the period of times mentioned in the said orders laying down such minimum rate of progress. The contractor shall, without recompense claim or demand, delay or suspend the progress of the works any part thereof, if and when, and so often as required by the Engineer and for such time to times, as may in the judgment of the Engineer be necessary for the purposes or advantages of the under taking, and shall, whenever directed by the Engineer and upon all needful occasions whether directed or not at the contractor's expense properly cover and secure so much of the work as may be liable to sustain damage from weather or any other cause and shall at all times and forthwith when required properly make good to the satisfaction of the Engineer all damage or injury which such works or any part thereof may have sustained.

48. TIME AS THE ESSENCE OF CONTRACT-PENALTY FOR NON COMPLETION

Time shall be considered as the essence of this contract on the part of the contractor and in case the contractor shall fail in the due performance of the works to be executed under this contract by and at the time, herein limited for completion thereof the contractor shall forfeit and on demand pay to the Corporation as and for liquidated damages not by way of the penalty a sum not exceeding $\frac{1}{4}$ (one fourth of hundred percent) value of the work for each and every day which may elapse between the extended and actual dates of completion and stipulated date of completion subject to maximum of five percent of the value of the work, such payment shall not in any degree release the contractor from any further or other obligations and liabilities under this contract or from the complete execution and performance of this contract.

49. DELIVERY WHEN PROVISIONAL AND WHEN COMPLETE CERTIFICATE OF COMPLETION EXECUTION OF WORKS BY DEPARTMENT DURING CONTINUANCE OF CONTRACT.

The completion and delivery at the time referred to in clause 47 or at subsequent time shall be deemed to be completion and delivery only if the Engineer shall accept the same and when so accepted shall not be deemed a full, complete and sufficient completion and delivery of the said works by the contractor to the Corporation unless and until a certificate in writing called a certificate of completion under the hand of the Engineer shall have been given to the effect that all the works contracted for and directed to be executed have been completed and are in a sound water-tight, workman-like, and complete and usable condition and that the contractor has in the opinion of the Engineer reasonably fulfilled and completed his contract and

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undertaking, except so far as it relates to the maintenance of the works as hereinafter provided. Provided always and notwithstanding anything contained in the contract, it shall be lawful for the Department to undertake and execute either departmentally or through other parties at any period during the continuance of this contract, any kind of work, matter or thing whatsoever, which they considered necessary or proper to be performed and executed for the purpose of and in connection with any or all of the works under this contract and that without in any way relieving the contractor from any of his liabilities and responsibilities under this contract or in any way vitiating or voiding this contract.

50. RECOVERY OF MONEY PAYABLE TO DEPARTMENT ETC.

All losses, costs, damages and expenses and other money payable to the Corporation by the contractor under any stipulation in the contract, may be retained out of any money then due to contractor or which may subsequently become due from the Department to the contractor under any contract. If this amount shall be insufficient to pay such losses, costs, damages it shall be lawful for the Engineer without any further consent on the part of the contractor, to sell and dispose of any or all of the Government, promissory notes or securities deposited with the Corporation by the contractor and out of the proceeds of such sale, after payment of all expenses connected therewith pay to the Corporation all such losses, costs, damages and expenses. If still the available amount shall be insufficient for such purpose then and in that case, it shall be lawful for the Corporation to recover the residue thereof if necessary by legal proceedings and or by resorting to Revenue Recovery Act against the Contractor.

51. CORPORATION MAY TERMINATE THE CONTRACT IN CASE OF INSOLVENCY OR WANT OR DUE DILIGENCE

- a)** Should the contractor during the continuance of the contract die or become bankrupt or insolvent or go into liquidation or shall suspend payment or compound with his creditors or from any other cause whatever become unable or fail to carry on the contract with efficiency or unable to not progress with any portion of the work assigned to him in the programme given by the Engineer from time to time in the manner intended by the contract or his preparations for commencement and his subsequent rate of progress be slow from any cause whatever that in the opinion of the Engineer or his representative he shall be unable to complete the work by the expiration of the specified period or shall he refuse or neglect to comply with the directions given to him by the Engineer or his representative or in any other respect act contrary to the terms of the contract, the Corporation shall have power to declare the contract as an end in which case the Contractor or person shall only be entitled to receive and give discharge for the payment for such portion of the work as shall have been actually delivered in a, servicable condition at the date of such declaration, after due deduction of any sum that may be livable under the contract.

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- b) The Contractor shall in addition be liable to pay to the Department or the Department at their option shall be entitled to further deduct the amount of all losses, damages or expenses including any excess between the contract price of the works to be done under this contract or such portions thereof as may not have been delivered at the date of such declaration as aforesaid and the price which the Department may have to pay for the similar work provided in lieu of such portion as may not have been so delivered which the Department may be put to or sustain by reason of or in consequence of the Contractor's breach of contract. The above liability shall be in addition to forfeiture of the retention money and the security deposit specified in clause 55 hereunder. When a contractor becomes insolvent/Company winding up/Contractor dies the loss shall be recovered from the bill or any amount due to be paid to him.

52. MEASUREMENT OF WORK

The work will be measured by the JE/AE. The contractor will be at liberty to accompany them in order that they may agree on the measurements but shall be negligent to do so, the measurements as recorded by the said officers shall be taken as final and conclusive. The measurements of works will be recorded as prescribed in the TNBP and as amended from time to time.

53. CERTIFICATES

So long as he is satisfied with the rate of progress of the works and with the manner in which they are being carried out, the Engineer shall subject to the provisions herein contained, certify each month payments on account based on the actual quantity and description of the finished works executed by the contractor calculated according to the prices in the schedules hereto attached and measured in accordance with the provision contained herein, and the final certificate will be issued only for work which has been completely finished, tested and passed as satisfactory.

54. PAYMENTS AND RETENTION

- a) Retention money or withheld amount from each running bill will be at 5% of contract value. Under the certificate to be issued by the Engineer on the completion of entire work, the contractor will receive the final payment of all the moneys due or payable to him under or by virtue of contract except security deposit and the retention amount equal to 5% of the total value of work done provided there is no recovery from or forfeiture by the contractor to be made.

The amount withheld from the final bill will be retained under 'Deposits' and paid to the contractor together with security deposit after six months reckoned from the date of completion of work or as soon after the expiration of such period of six months as all defects shall have been made good according to true intent and meaning hereof whichever shall last

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happen. In the event the final bill remains unpaid even after the period of six months aforesaid the Engineer shall refund the security deposit and also the withheld amount on a separate bill if requested for by the contractor in writing. No certificate of Engineer shall be considered conclusive evidence as to the sufficiency of any work or materials nor shall it relieve the contractor from his liability to make good defects as provided by the contract. The contractor when applying for a certificate shall prepare a sufficient detailed bill based on the original figures of quantities and rates in the contract schedule to the satisfaction of the Engineer to enable the Engineer to check the claims mentioned in the application as are allowed by the Engineer shall be issued within (14) fourteen days of the application. In the case of road works, the security deposit and retention money will be released 12 months after completion of work.

- b) In come Tax shall be deducted at two (2) percent of the gross amount of each bill or at the ruling rates fixed by the Government of India from time to time and surcharge therefor.
- c) In the event of the death or insanity or insolvency or imprisonment of the contractor or where the contractor being a partnership firm becomes dissolved or being a corporation goes into liquidation voluntary or otherwise, the contractor may at the option of the Corporation Commissioner, be terminated by notice in writing posted at the site of the works and all accepted and acceptable works shall forthwith be measured up and paid for at the rates provided in the contract schedule where such apply or otherwise, by the most recent schedule of rate approved by the competent authority to the person or person entitled to receive and give a discharge for the payment.

56. LIMITATION OF CERTIFICATES

No certificate made by the Engineer or other person appointed as aforesaid upon any bill submitted by the contractor shall be taken or deemed as certifying that the contractor has dully executed his contract or any portion thereof and no certificate thereof shall relieve the contractor of any obligation he would have been under, in the absence of such certificate, but the certificate given by the Engineer or other officer aforesaid shall be deemed to mean no more than that, at the time such certificate is given, the Engineer or other than temporary work, in respect of which the Department might pay the sum stated in such certificate.

No payment or certificate shall protect or be deemed to protect the contractor in case of over payment or in case in shall at any time appear that the works or any part of them have not been executed in accordance with this contract.

57. TIME FOR COMPLETION OF WORKS

The contractor shall complete and deliver to the Department the whole of the works comprised in this contract and shall complete the removal of all temporary works, plant and surplus materials within the stipulated period from the date of handing over

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of site. The whole of the works shall be delivered complete in every respect in a clean and perfect condition. Provided always that if by reason of the nonpossession of any site or sites required for the purpose of undertaking the work or the non-supply of materials which the department has undertaken to supply for the work or enlargements of the work (which additions or enlargements the Engineer is hereby authorised to make) or for any other just cause arising with the said Department or in consequence of any unusual inclemency of the weather, or general or local strikes or for want of deficiency of any orders, drawings or directions or by reason of any difficulties, impediments, obstructions, oppositions, doubts, disputes differences whatsoever and howsoever occasioned, the contractor shall in the opinion of the Engineer (whose decision shall be final) Have been unduly delayed or impeded in completion of this contract, it shall be lawful for the Engineer to grant from time to time and at any time or times by writing under his hand such extension of time either prospectively or retrospectively and to assign such other day or days for completion without thereby prejudicing or in any manner or affecting the validity of the contract or the adequacy of the contract price or the adequacy of the sums or prices mentioned in the schedules and any and every such extension of time shall be deemed to be in full compensation and satisfaction for and in respect of any and every actual or probable loss or injury sustained or sustainable by the contractor in the premises and shall not entitle him to claim or demand Department for and in respect of the delay occasioned by the cause of causes in respect of which any and every such extension of time shall have been granted.

58. FINAL CERTIFICATE

When the works of this contract are completed, the contractor shall submit a demand that the Engineer shall make a final measurement of the works and take over the whole of the works on behalf of the Department and issue a final certificate to enable him to submit a final bill for payment. The engineer shall thereupon unless he shows reasons in writing to the contrary, make a final measurement of the works and take them over on behalf of the Department and sign a certificate purporting to be a last certificate. Nothing in this clause or in the agreement shall prohibit the Department taking over and using any portion of the works which may be completed prior to the completion of the whole works of this contract.

59. DEFECTS OR FAULTS APPEARING WITHIN DEFECT LIABILITY

Notwithstanding any certificates issued by the Engineer under clause 54 and clause 58 any defect, shrinkage or other faults whatsoever which may appear.

- a) In respect of original Civil Works, within 6 months and
- b) In respect of roads electrical, mechanical and pile laying works within one year from the completion of the respective works and the grant of final certificate and arising out of defective or improper materials or workmanship upon the direction of the Engineer, to be amended and made good by the contractor at his cost within 15 days and in case of default, the

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Engineer may cause such work to be executed or may take any measure or do anything which may in his opinion be necessary for rectifying the defect or fault in the works and the cost of so doing shall be recoverable from the contractor.

60. PERIOD OF LIABILITY

The contractor notwithstanding such execution of works, matters and things as lastly provided and any act, matters and things done, permitted, happening or suffered in pursuance of during the continuance of this contract as lastly provided shall be responsible for and shall effectively maintain and uphold in good, substantial, sound perfect and water tight condition all and every part of the said works, for a period of

- a) six months in respect of original civil works and
- b) Twelve months in respect of electrical, mechanical and pipe laying works, and roads from and after the date of such last mentioned certificate of completion and shall pay and make good to the Department and all other persons or parties legally entitled thereto all losses, damages, costs and expenses they incur or in consequence of the operations of the contractor or of the failure from whatever causes of the works or any of them during the time the contractor is responsible there for and shall indemnify and keep indemnified the Department and other persons or parties as aforesaid from the against the same and from and against all actions, suits, claims and demands whatsoever by reasons or on account thereof or the Department may deduct and retain or pay to such other persons or parties entitled as aforesaid the amount of such losses, damages costs or expenses out of any amount in the hands of the Department or occurring or due to the contractor.

If any portion or portions of the work are found to be defective during the period of liability and repaired as stated in clause 59 above, the period of liability for that portion of the work which has been so repaired shall be extended to a further period of six months in respect of original civil works and Twelve months in respect of electrical, mechanical and pipe laying works roads from the date of completion of the repairs.

61. PAYMENT OUT OF PUBLIC FUNDS

The payments to the contractor shall be made out of the funds under the control of the Department in their public capacity and no member or officer of the Department shall be personally responsible to the contractor.

62. SUBLETTING TRANSFERRING OR ASSIGNING CONTRACT

The Contractor shall not sub-let the whole of the works except where otherwise provided in the contract. The contractor shall not sublet any part of the works without

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the written consent of the Engineer and such consent if given shall not relieve the contractor from any liability or obligation under the contract and he shall be responsible for the acts, defaults and neglects of any subcontractor, his agents, servants or workmen as fully as if they were the acts, his agents servants or workmen. Provided always that the provision of labour on a piece-work basis shall not be deemed to be a sub-letting under this clause. In the case of individual or proprietary firm or firm in partnership or limited company, the holder of power of attorney may be allowed to receive the materials, to receive cheques and to participate in the opening of tenders, signing of tenders. Agreement duly furnishing the certificate copy of the registered power of attorney and signing acceptance of measurements in Measurement Books provided that these powers are delegated in the registered power of attorney.

63. PROTECTION AGAINST CLAIMS FOR THE USE OF PATENTS

All fees for any patented invention articles or arrangements that may be used upon or in any manner connected with the construction erection and maintenance of the works or any part thereof embraced in these specifications, shall be included in the price mentioned in the bills of quantities and the Contractor shall protect and hold harmless the Department against any and all demand for such fees or claims and before the final payment and settlement is made on account of this contract the contractor if required must furnish acceptable proof of a proper and satisfactory release from all such claims.

64. OLD CURIOSITIES

All old curiosities, relics, coin, minerals etc. found in excavating or pulling down, shall be the property of the Department and be handed over to the Engineer. Should any ancient masonry or other old work of interest be opened up. The Engineer's attention shall be called to the same before demolition or removal.

65. ARBITRATION

- (i) If the contractor claims that the decisions or the instructions of the Corporation Commissioner are unjustified and that accordingly, he is entitled to extra payments on account thereof, he shall forthwith notify this to the Corporation Commissioner to record his decisions and reasons therefor in writing and shall within two weeks state his claims in writing to the Corporation Commissioner thereafter. The Corporation Commissioner shall thereafter within four weeks of the receipt of the claim, reply to the points raised in the claim. Unless resolved by negotiation or discussion immediately thereafter, within further four weeks, the question of liability for such payment will be treated as a dispute.
- (ii) In the contract whenever, there is discretion or exercise of will, by the Engineer/Department during the progress of the work, the mode or manner of the exercise, of discretion shall not be a matter for arbitration.

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- (iii) The decision of Engineer/Department shall be final and binding on all parties to the contract upon all questions relating to the meaning of specifications, designs, drawings and instructions, and to the quality of workmanship of materials used on the work or any matter arising out of or relating to the specifications, designs and drawings and instructions concerning the works or the erection of or failure to execute the same arising during the course of works. The above shall not be subject matter of arbitration and in no case shall the work be stopped consequent on such a dispute arising and the work shall also be carried out by the contractor strictly in accordance with the instructions of the Engineer/Department.
- (iv) In case any question, difference or dispute shall arise on matters other than sub clauses (ii) and (iii) above and except any of the “excluded matters” mentioned in clause 24 touching the construction of any clause herein contained on the rights, duties and liabilities of the parties hereto, or any other way touching or arising out of these presents, the same shall.
 - a) In cases where the total value of claims, under the contract is less than Rs.50000/- be referred to the interpretation decision and award of a Superintending Engineer of the Department as the sole Arbitrator whose decision shall be final and binding on the parties to the contract.
 - b) In case where the value of claims is more than Rs.50000/- the parties will seek remedy through the competent Civil Court having local jurisdiction, i.e., Tirunelveli.
 - c) The provisions of the Indian Arbitration and Reconciliation Act 1998 and the Rules there under and any statutory, modification thereof shall be deemed to apply to such references and deemed to be incorporated in the contract. The Arbitrator shall state the reasons for the award.
 - d) Provided always the contractor shall not except with the consent in writing of the Engineer, in any way delay carrying out works in any such matter, question or dispute being referred to Arbitration but shall proceed with the works with all due diligence and shall until the decision of the Engineer/Department and no award of the Arbitrator competent civil court shall relieve the contractor of his obligations to adhere strictly to the instructions of the Engineer/Department with regard or the actual carrying out of the works.

66. CONTRACTOR’S RISK AND INSURANCE

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The work executed by the contractor under the contract shall be maintained at contractor's risk until the work is taken over by the Engineer. The contractor shall accordingly arrange his own insurance, against fire and other usual risk during such period which includes natural calamities such as floods, or any other acts of God and no claim by the contractor for the above mentioned will be entertained by Department at any stage. The contractor shall also take Personal Accident Insurance Policy in favour of each worker employed by him in any job pertaining to this contract. He may also ensure that similar personal accident insurance policy available in the market is taken in respect of each workman employed by his sub contractor. If the Contractor fails to take out the Personal Accident Insurance Policy available in the market as above and accident occurs, an amount equivalent to the compensation payable to the personnel will be deducted from the bills payable to the contractor for the work done or from any other work in Department and kept in deposit Account for being paid ultimately to the injured person or to the heirs in case of death.

67. CONTRACTOR RESPONSIBLE FOR THE PROVISION OF HEALTH AND SANITARY ARRANGEMENTS FOR THE WORKERS EMPLOYED

The contractor shall provide at his own expense first-aid appliances and medicines including an adequate supply of sterilized dressing and sterilized cotton wool kept in good order under the charge of a responsible person who shall be readily available during working hours. Water of good quality fit for the drinking purposes shall be provided for the work people on a scale of not less than 15 liters per head per day. Every water supply storage shall be at a distance of not less than 15 meters from nay latrine, drain or other source of pollution.

Where water has to be drawn from any existing well which is within such proximity of latrine, drain or other sources pollution, the well shall be properly chlorinated before water is drawn from it for drinking. Adequate washing and bath in places shall be provided separately for men and women and such places shall be kept in clean and drained condition. latrines and urinals shall be provided with the precincts of work place and the accommodation separately for each of them shall be at the rate of 2 seats up to 50 persons, 3 seats above 50 persons but not exceeding 100 persons, and 3 seats for every additional 100 persons. The contractor shall employ adequate number of sanitary workers to maintain the latrines and urinals in a clean condition. Two sheds one for meals and the other for rest shall be provided separately for the use of men and women workers. Crèches shall be provided according to the number of workmen workers and properly maintained. All these

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amenities shall be provided at the contractor's own expenses besides providing sheds for his workmen.

68. TECHNICAL AUDIT CLAUSE

It is a term of this contract that department shall have the right to carry out post payment audit and technical audit by the Engineers of technical audit cell located in Commissionarate of Corporation Administration or elsewhere. The technical audit officer shall have the powers to inspect the work or supply, examine running account bills, final bills, and other vouchers, measurement books, test reports and other documents either during progress of work or after completion of same and order recoveries from the contractor for recorded reasons even though he might have been paid earlier. These recoveries are enforceable against the contractor from any amount due to him or security deposits or withheld amounts or any amounts due to contractor or may become due to him from the department on any other work or supply.

Additional Conditions

- 1) Works are to be completed within the stipulated time. In case of delay, penalty will be imposed @ 0.05% per day. When the penalty exceeds 5% of the value of work done, work order is liable for cancellation and action will be taken as per rules.
- 2) To ascertain the quality of the work, test certificate for concrete cubes should be produced, before recommending the bill for cement concrete works.
- 3) The Commissioner has reserves the rights to accept or cancel any or all the tenders without assigning any reasons therefore.
- 4) Tender schedule will be issued to the Contractors, for those who have got registration with Corporation or other Government Departments (Registration must be renewed in this financial year) and registration details should be shown when applied for the tender document.
- 5) Tender Schedules will be issued to the Contractors depends upon their Registered class only.
- 6) Following documents shall be placed along with EMD in one cover 1) EMD 2) Sales Tax clearance Certificate 3) Certificates relating to contractor's registration
Signature of Bidder

or renewal for current financial year with Corporation (or) other Government Departments. Second cover shall contain tender document. These two covers must be placed in a large cover and sealed. Tender cover without seal shall not be opened and rejected.

Note: If any one of the above documents are not found, in the cover, meant for EMD the Tender document cover will not be opened and tender will be rejected.

- 7) The materials like bitumen, steel cement, pipe and other materials should be purchased by the Contractor themselves and it will be fully utilized for that particular work only.
- 8) The Contractor sign should put his full signature in every page of the Tender document. While filling up the in the tender document, it shall be written both in figures and words.
- 9) Income tax, Sales Tax and relevant surcharge amount will be deducted in the running bills as per rules in force.

Signature of Bidder

Signature of Bidder

This Schedule
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TIRUNELVELI CITY MUNICIPAL CORPORATION

Estimate Amount	Rs: 9.90 Lakhs
EMD	Rs.9900/-
FSD	Rs. 9900/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Providing Interlocking Paver block road and Construction of drain at Melakarai (1st and 2nd cross street) in ward No.2

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Providing Interlocking Paver block road and Construction of drain at Melakarai (1st and 2nd cross street) in ward No.2

Estimate Amount: Rs: 9.90 Lakhs

SL. No.	Probable Quantity	Details of work	TND SS No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	65.00	Earth work excavation and depositing on bank with an initial lead of 10m & initial lift of 2m sand, slit (or) other loose soil, wet sand (or) slit not under water, light black cotton sandy loam and ordinary soil including excavated earth as standard.				m3	
2	220.00	Collection and supply and filling of well murambu from the approved quarry and stacking the same at road sides to departmental gauge for taking pre-measurement including cost and conveyance of well morambu to site including all labour charges for stacking etc, complete.				M3	
3	110.00	Supplying and filling with Quarry dust or Stone dust for foundation and basement including cost and conveyance of all materials and consolidation with water, raming etc., complete as per standard specification.				M3	
4	735.00	Supplying and laying interlocking colour designed paver block of 80mm thick approved design made out of 6-12mm of thick HBGS jelly chips in				M2	

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		cement concrete 1:1.2:2.4 has a strength of 16.00 MT/Sqm property cured to attain the required strength, laying the interlocking blocks over a sand cushion of 10cm thick and well compacted using 16.00 MT/Sqm on ton capacity compressor. The cost is inclusive of cost of all materials for manufacturing interlocking block loading transportation to work site unloading and labour charges for fixing using compressor of 16.00 MT/Sqm capacity including hire and fuel charges of compressor all other and standard specification and as directed by the departmental officers					
5	12.37	Plain cement concrete 1:4:8 (One cement ,Four sand and eight aggregate)mix using 40mm metal ISS HBG metal including and const and conveyance of all materials and all labour charges etc completeas per std specification				m3	
6	215.50	Providing steel centering of MS Iron angle sheet with M.S Frames for sides and soffits of Rainforcced cement concrete works including necessary arrangements with strutting for plain surfaces Foundation and Basement for RCC Grade beams ,Column footings,Columns,Plinth beams,Stair case With all cost and conveyance of materials and lab our at site ect ., Coplete as per standard specification.				M2	

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7	30.45	Plain cement concrete 1:3:6 (One cement ,three sand and six aggregate) using 20mm ISS size HBG metal from approved quarry including all cost and conveyance of all materials to site and all labour charges etc., complete.asper standard specification.				M3	
8	49.10	Plastering with cement mortar 1: 4 (One Cement and four sand) mix 20 mm thick including cost and conveyance all materials and all labour charges etc. complete asper standard specification.				m2	
9	10.00	Supplying and fixing of RCC non pressure spun pipe NP3 450mm dia and spigot ends as per ISI 458/2003 manufactured with sulphate resistance cement with 12 mm HI alumina lining with rubber ring joints including all cost and conveyance of all materials to site and all labour charges etc., complete.asper standard specification.				Rmt	

-End-

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TIRUNELVELI CITY MUNICIPAL CORPORATION

Estimate Amount	Rs: 9.70 Lakhs
EMD	Rs.9700/-
FSD	Rs. 9700/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Providing Sewage Under ground drainage line at Balaji Avane in ward no.3

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Providing Sewage Under ground drainage line at Balaji Avanie in ward no.3

Estimate Amount: Rs: 9.70 Lakhs

SL. No.	Probable Quantity	Details of work	TND SS No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1		Earth work excavation and deposing on bank with an intial lead of 10m& initial liftm of 2m in					
a	58.62	Hard siff clay , stiff black cotton , hard red earth shales , murram , gravel, stoney earth and earth mixed with small size boulders and hard gravelly soil- SS20B (as per Separate estimate)				m3	
b	110.46	Soft disintegrated rock,soft laterited rock or kankar soft Rock not requiring Blasting				m3	
c	250.86	Earth work excavation medium rock ,and Dense Medium Rock not Requiring Blasting				m3	
d		Removing hard rock by wedging,chiseling and trimming to proper shape where blasting is prohibited. (as per Separate estimate)					
2		Shoring & shrutting the sides og trench when depth of excavation exceeds 2m in all types of soils except SDR,DMR & HR including cost of materials and labour charges fir installation & removal of Silver Oak planks & ountry wood scantling					

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		etc.,complete & as directed by the engineer –in-charge(as per Separate estimate)				
	454	Up to 1.5m depth				m2
	68	1.5 to 2.5m depth				m2
3	396.08	Refillinh with excavated earth(other than sand)complying with standard specifications for filling the foundations including watering & consolidation etc.,complete as directed by TWAD Board officers. (as per Separate estimate)				m3
4	70.8354	Disposal of surplus excavated earth in pipe laying and road restoration works etc., transporting to the sites specified by Engineer with in 5 Km lead,including loading ,apreading etc.,,complete and as directed by Engineers (as per Separate estimate)				M3
5		Supply of salt glazed stoneware pipes (Socket & Spicot type)at site work (IS 651 :1992) in standard length of 0.6m suitable for depths up to 3.5m below GL and laying and jointing of stone ware pipes with Sulphate				m3
	261.00	Resistant Portland cement mortar 1:1.5(1 cement : 1.5 river sand)and hemp yern (IS 4127 :1983) to the required alingnment and slope as indicated in drawing/design and hydraulically testing of the pipe line .				m2

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		The rate shall include cost of all necessary jointing materials (cement,sand,hemp yern etc.),testing charges with water conveyed with in a lead of 1Km,labour etc.complete. (as per Separate estimate)				
6		Plain cement concrete with PCC 1:2:4 (one cement ,two sand and four coarse aggregate) using Sulphate Resistant Cement & 20mm H.B.G stone for bedding,laying in layers not more than 15cm thick including cost of mixing cement,placing ,ramming and curing etc.,complete as directed by the TWAD Board officers.				Kg
	21.06	0 m to 1.5 m stage				m3
	25.92	1.5 m to 4.5 m stage				m3
7		Construction of manholes using Sulphate Resistant Cement at various depths including earth work excavation as per SS in Hard stiff clay,stiff black cotton etc.,sand filling laying cement concrete in 1:4:8 using 40mm BG Jally for leveling coarse, laying cement concrete in 1:2:4 using 20mm BG Jally for base slab ,RCC M30 for roof slab ,fabrication ,placing reinforcement and timbering charges ,brick work in cm 1:3 using Briks II nad class Table moulded (Chamber burnt) for 23cm thick wall and over 23cm thick wall,plastering interior and				m3

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		exterior with cm 1:3 ,20mm thick ,Providing PVC encapsulated steps,FRC MH frame and cover(heavy duty) ,benching and channeling with PCC 1:2:4 ,20mm HBS ,Shorting & strutting the sides of trench,refilling etc.,complete for different depths for each manhole (As per the type design ,drawing for manholes)					
		(As per estimate)					
8	231	Barricading the trenches for one side using casuarinapoles 8 to 10 cm dia, white PVC tape 15mm wide with red strips printed in two rows ,75mm dia red reflectors in every 3m length,providing two no. of danger lights for every 150m length,including the cost of all materials ,charges for fixing of barricading and removal of barricading after testing and filling the trenh and stacking the post for reuse etc complete as directed by the TWAD Board officers.				m	
9		Provision for dewatering arrangements wherever necessary					
a	96	Hire charges diesel pumpset up to 3 HP with fuel and crew charges including transporation				Hrs	
b	144	Hire charges diesel pumpset up to 3 HP to 7.5 Hp with fuel and crew charges including transporation				Hrs	

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10	46.98	Labour for cutting open BT Road surface for laying sewers(Vide Separate estimate)				m2	
11		Labour for cutting open Concrete Road surface for laying sewers(Vide Separate estimate)					
	62.64	Road restoration with cement concrete 1:4:8 ,10cm thick ,using 40mm HBS metal and cement concrete 1:2:4 ,10 cm thick using 20mm HBS including cost of all materials laying,curing including earth work excavation for a depth of 40cm and sand filling for 10 cm depth with filling sand etc complete and as directed by the TWAD Board officers. (Vide Separate estimate)				m3	
		Provision for culvert and drainage crossings					

-End-

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Estimate Amount	Rs: 5.60 Lakhs
EMD	Rs.5600/-
FSD	Rs. 5600/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Construction of Drain at Madurai road and Babuji nagar in ward No.4

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Construction of Drain at Madurai road and Babuji nagar in ward No.4

Estimate Amount: Rs: 5.60 Lakhs

SL. No.	Probable Quantity	Details of work	TND SS No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	91.00	Earthwork excavating and depositing on bank with an intial lead and lift in sand slit or other loose soil wet sand or slit not under water light block cotton soil sand ordinary soil including excavated earth including cost and conveyance etc complete (2km. Lead) with 2 km lead as per the standard specification				m3	
2	21.00	Plain cement concrete of mix 1:4:8 using 40mm ISS metal from the approved quarry including cost and conveyance of the materials to site and all the labour charges etc., complete as per the standard specification				m3	
3	320.00	Providing steel centering of MS Iron angle sheet with M.S Frames for sides and soffits of Rainforcced cement concrete works including necessary arrangements with strutting for plain surfaces Foundation and Basement for RCC Grade beams ,Column footings,Columns,Plinth beams,Stair case With all cost and conveyance of materials and lab our at site ect ., Coplete as per standard specfication.				M2	

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4	96.00	Plain cement concrete of mix 1:3:6 using 20mm ISS metal from the approved quarry including cost and conveyance of the materials to site and all the labour charges etc., complete as per the standard specification				M3	
5	194.00	Plastering with cement mortar 1:4 (One cement and three sand) 20mm thick including all the cost and conveyance of materials and labour charges etc., complete as per the standard specification				M2	

-End-

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Estimate Amount	Rs :9.00 Lakhs
EMD	Rs.9000/-
FSD	Rs. 9000/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Providing Paver block from Muthumariamman kovil irakkam to Ethiraj street irakkam in ward No.7

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Providing Paver block from Muthumariamman kovil irakkam to Ethiraj street irakkam in ward No.7

Estimate Amount: Rs: 9.00 Lakhs

SL. No.	Probable Quantity	Details of work	TN DS S No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	405.00	Clearing Juliflora jungle with uprooting including all cost and conveyance etc complete				m2	
2	24.00	Dismantling and clearing away carefully the brick masonry walls including all cost and conveyance etc complete				m3	
3	106.00	Dismantling and clearing away carefully the stone masonry walls including all cost and conveyance etc complete				m3	
4	120.00	Sectioning and Leveling the site including all cost and conveyance etc complete				m3	
5	65.00	Earth work excavating and depositing on bank with an intial lead of 2m and in soft disintegrated rock,laternite,soft rock or kankar,not requiring blasting etc.,complete as per standatd specification.				m3	
6	12.00	Plain Cement Concrete 1 : 4 : 8 using 40mm gauge IRCmetal from approved quarry including cost and conveyance of material to site and all labour charges etc., complete as per standard specification (Above 10m and up to 100m Hand Load)				m3	

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7		Supply and erecting steel centering for plain surface for RCC work including necessary supports using casurina props including all cost of materials and labour charges etc., complete(With out props)as per standard specification					
A	403.00	With out Props				m2	
B	23.00	With Props				m2	
8	91.00	Plain Cement Concrete 1 : 3: 6 using 40mm ISS size HBG metal from approved quarry including cost and conveyance etc., complete as per standard specification (Above 10m and up to 100m Hand Load)				m3	
9	5.60	RCC 1:1 1/2: 3 mix using 20mm ISS size HBG metal from approved quarry including cost and conveyance etc., complete as per standard specification				m3	
10	600.00	Supplying fabricating and placing in position of M.S or R.T.S rod including all cost of steel and binding wire tying and making grills including cost and conveyance all materials etc., complete as per standard specification				Kg	
11	33.00	Plastering with cement mortar 1:4 mix , 20mm thick with all cost and conveyance of materials and all labour charges etc., complete as per standard specification				m2	
12	109.00	Supplying and filling with Well Gravel for including cost and conveyance of all materials and consolidation with water, raming etc., complete as per standard specification .				m2	

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13	73.00	Suplying and filling with Stone dust for foundation and beasement including cost and conveyance of all materials and consolidation with water, raming etc., complete as per standard specification .				m3	
14	300.00	Supplying and laying interlocking paver block of 80mm thick approved design made out of 6-12mm of thick HBGS jelly chips in cement concrete 1:1.2:2.4 has a strength of 16.00 MT/Sqm property cured to attain the required strength, laying the interlocking blocks over a sand cushion of 10cm thick and well compacted using 16.00 MT/Sqm on ton capacity compressor. The cost is inclusive of cost of all materials for manufacturing interlocking block loading transportation to work site unloading and labour charges for fixing using compressor of 16.00 MT/Sqm capacity including hire and fuel charges of compressor all other and standard specification and as directed by the departmental officers				m3	

-End-

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Estimate Amount	Rs: 6.35 Lakhs
EMD	Rs.6350/-
FSD	Rs. 6350/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Construction of bathing ghat near peratchiamman kovil, vannarpettai in ward No.9

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

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TENDER SCHEDULE

Name of work: Construction of bathing ghat near peratchiamman kovil, vannarpettai in ward No.9

Estimate Amount: Rs: 6.35 Lakhs

SL. No.	Probable Quantity	Details of work	TND SS No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	100.00	Earth work excavation and deposing on bank with an intial lead of 10m& initial liftm of 2m sand ,slit (or)other loose soil including refilling the excavated earth as per SS 20B as per standard specification and conveyance up to 2 Km lead including the cost of labour charges etc.,complete.				m3	
2	11.00	Levelling course of mix M10 grade concrete using 40mm IRC HBG metal from onveyance of all material to site and all labour charges etc complete as per standard specification.				M3	
3	90.00	Providing erecting steel centering for sides of wall surfaces with necessary strutting arrangements using MS iron angle and sheets including and const and conveyance of all material to site and all labour charges etc complete.				M2	
4	108.00	Plain cement concrete of mix M20 grade mix using 20mm ISS HBG metal from approved quarry including all cost and conveyance of all materials to site and all labour charges etc., complete.				m3	
5	72.00	Plastering with cement mortar 1: 4 mix to 12 mm thick with all cost and conveyance all materials and all labour charges etc. complete .				m2	

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Estimate Amount	Rs: 9.90 Lakhs
EMD	Rs.9900/-
FSD	Rs. 9900/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Renewal of fine sand filter media in slow sand filter beds 1&2 in kurukkuthurai head works.

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Renewal of fine sand filter media in slow sand filter beds 1&2 in kurukkuthurai head works.

Estimate Amount: Rs: 9.90Lakhs

SL. No.	Probable Quantity	Details of work	TND SS No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1		Removal of consolidated filter media by earth work excavation in sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil, sandy loam and ordinary soil including excavated earth etc., with an initial lead of 10m and lift of 2 m and as directed by Departmental officers.					
	207.843	For slow sand filter beds – 1&2 – 2 Nos				M3	
2		Collection and supply of fine aggregates of fine sand (0.15 mm to 0.30 mm) passing through a sieve of 1.18 mm (20 meshes to 2.5 cm) and retained in 0.60mm sieve (40 meshes to 2.5cm) having uniformity co efficient 3.50 including cleaning, washing for free from impurities and stacking.					
	207.843	For slow sand filter beds – 1&2 – 2 Nos				M3	

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3		Labour charges for filling with fine sand passing through a sieve of 1.18mm (20 meshes to 2.5 cm) and retained in 0.60mm sieve (40 meshes to 2.5 cm) having uniformity coefficient 3.50 as directed by departmental officers					
	207.843	For slow sand filter beds – 1&2 – 2 Nos				M3	

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TIRUNELVELI CITY MUNICIPAL CORPORATION

Estimate Amount	Rs :6.50 Lakhs
EMD	Rs.6500/-
FSD	Rs. 6500/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Costruction of strom water drain & inter locking paver block pavement at Thimmarajapuram pillaiyar kovil street & Sudalai kovil street in ward No.11

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Costruction of strom water drain & inter locking paver block pavement at Thimmarajapuram pillaiyar kovil street & Sudalai kovil street in ward No.11

Estimate Amount: Rs: 6.50 Lakhs

SL. No.	Probable Quantity	Details of work	TN DS S No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	90.00	Earth work excavating and depositing on bank with an intial lead of 10m & intial lift of 2m, in hard stiff clay, stiff black cotton, hard red earth, shales, murrum, gravel stoney earth and earth mixed with small size boulders and hard gravely soil SS20B including refilling charges complying with standard specification				M3	
2	32.00	Plain Cement Concrete of mix 1:4:8 (one cement, four sand and eight aggreate) using 40mm ISS HBG metal from approved quarry including all cost and convenyance of materials to site and all labour charges etc., complying with standard specification.				M3	
3	215.00	Centering and shuttering for plain surfaces such as column footing, grade beams, plinth beams, stair case steps and drainage (without strutting)				M2	
4	22.00	Plain Cement Concrete of mix 1:3:6 (one cement, three sand and six aggreate) using 20mm ISS HBG metal from approved quarry including all cost and convenyance of materials to site and all labour charges etc., complying with standard specification.				M3	

Signature of Tenderer

5	71.00	Plastering with cement mortar 1:4 (One cement and three sand) 20mm thick including all the cost and conveyance of materials and labour charges etc., complete as per the standard specification				M2	
6	87.00	Collection and supply of well gravel from the approved quarry and stacking the same at road sides to departmental gauge for taking pre.Measurement including cost and conveyance of well morambu to site including all labour charges for stacking etc, complete.				M3	
7	87.00	Filling of well gravel from the approved quarry and stacking the same at road sides to departmental gauge for taking pre.Measurement including cost and conveyance of well morambu to site including all labour charges for stacking etc, complete.				M3	
8	290.00	Supplying and laying coloured designed interlocking paver block concrete paver of approved make as per vender list at petrol pump drive ways with 1:1.2:2.4 mix grade concrete blocks with minimum thickness of 80mm and providing minimum 100 mm thick stone dust cushion below the pavers and compacting the same as per pavers and compacting the same as per directions including all cost and conveyance of and labour charges etc complete				M2	

-End-

Signature of Tenderer

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TIRUNELVELI CITY MUNICIPAL CORPORATION

**Estimate amount :- Rs.885000/-
E.M.D :- Rs. 8850/-
F.S.D :- Rs.8850**

Schedule 'A'

Schedule of rates and approximate quantity

Name of work: - Providing interlocking paver block pavement and drainage at Sakthi nagar & Anis nagar in ward No.14

1. The quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alteration, Corrections, deductions, or addition as provided for in the condition of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specification of the Tamil Nadu Detailed standard specifications and other conditions or specification of the contracts.
2. It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost of calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of the Tenderer.

Name of work: - Providing interlocking paver block pavement and drainage at Sakthi nagar & Anis nagar in ward No.14
Est Amount: Rs. 8.85 Lakhs

S.No	Probable Quantity	Description of work	TND SS No	Rate In		Unit Figures & Words	Amount Rs
				Figures	Words		
1		Earthwork excavation and depositing on bank with an initial lead and lift in all classes of soil including all cost and conveyance of all materials and all labour charges etc complete as per standard.					
	140.00	For Road				M3	
	75.00	For Drain				M3	
2	16.00	Plain Cement Concrete 1 : 4 : 8 using 40mm gauge IRC HBG metal from approved quarry including cost and conveyance of material to site and all labour charges etc., complete as per standard specification				M3	
3	212.00	Centering and shuttering for plain surfaces such as column footing, grade beams, plinth beams, stair case steps and drainage (without strutting)				M2	

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4	31.00	Plain Cement Concrete of mix 1:3:6 (one cement, three sand and six aggregate) using 20mm ISS HBG metal from approved quarry including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
5	4.20	Reinforced Cement Concrete of mix 1:1 1/2:3 using 20mm ISS HBG metal from approved quarry including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
6	564.00	Supplying Fabricating and placing in position of MS or R.T.S rods including cutting, bending straightening of rods and tying the reinforcement with necessary binding wire including all cost and conveyance of materials to site and all labour cost etc., complete complying with standard specification.				Kg	
7	90.00	Plastering with cement mortar 1:4 (One cement and three sand) 20mm thick including all the cost and conveyance of materials and labour charges etc., complete as per the standard specification				M2	
8	109.50	Collection and supply of well gravel from the approved quarry and stacking the same at road sides to departmental gauge for taking pre.Measurement including cost and conveyance of well morambu to site including all labour charges for stacking etc, complete.				M3	

Signature of the Tenderer.

9	109.50	Filling of well gravel from the approved quarry and stacking the same at road sides to departmental gauge for taking pre.Measurement including cost and conveyance of well morambu to site including all labour charges for stacking etc, complete.				M3	
10	545.00	Supplying and laying coloured designed interlocking paver block concrete paver of approved make as per vender list at petrol pump drive ways with 1:1.2:2.4 mix grade concrete blocks with minimum thickness of 80mm and providing minimum 100 mm thick stone dust cushion below the pavers and compacting the same as per pavers and compacting the same as per directions including all cost and conveyance of and labour charges etc complete				M2	

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TIRUNELVELI CITY MUNICIPAL CORPORATION

Estimate Amount	Rs: 8.00 Lakhs
EMD	Rs.8000/-
FSD	Rs. 8000/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Providing Paver block pavement at Aachimadam in ward No.17

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Providing Paver block pavement at Aachimadam in ward No.17

Estimate Amount: Rs: 8.00 Lakhs

SL. No.	Probable Quantity	Details of work	TND SS No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	157.00	Providing steel centering of MS Iron angle sheets with M.S Frames for sides and soffits of Reinforced cement concrete works including necessary arrangements without props for plain surfaces Foundation and Basement for RCC Grade beams ,Column footings, Columns, Plinth beams, Stair case With all cost and conveyance of materials and lab our at site etc., Complete as per standard specification.				M2	
2	12.00	Plain cement concrete 1:11/2:3 using 20mm IRC size HBG metal from approved quarry including all cost and conveyance of all materials to site and all labour charges etc., complete. asper standard specification.				M3	
3	800.00	Supplying and laying interlocking colour designed paver block of 80mm thick approved design made out of 6-12mm of thick HBGS jelly chips in cement concrete 1:1.2:2.4 has a strength of 16.00 MT/Sqm property cured to attain the required strength, laying the interlocking blocks over a				M2	

Signature of Tenderer

		sand cushion of 10cm thick and well compacted using 16.00 MT/Sqm on ton capacity compressor. The cost is inclusive of cost of all materials for manufacturing interlocking block loading transportation to work site unloading and labour charges for fixing using compressor of 16.00 MT/Sqm capacity including hire and fuel charges of compressor all other and standard specification and as directed by the departmental officers					
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TIRUNELVELI CITY MUNICIPAL CORPORATION

Estimate Amount	Rs:6.90 Lakhs
EMD	Rs.6900/-
FSD	Rs. 6900/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Providing Paver block pavement at Periyar nagar cross street in ward No.20

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Providing Paver block pavement at Periyar nagar cross street in ward No.20

Estimate Amount: Rs: 6.90 Lakhs

SL. No.	Probable Quantity	Details of work	TN DS S No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	11.00	Earth work excavating and depositing on bank with an intial lead of 10m & intial lift of 2m, in hard stiff clay, stiff black cotton, hard red earth, shales, murrum, gravel stoney earth and earth mixed with small size boulders and hard gravely soil SS20B including refilling charges complying with standard specification				M3	
2	3.50	Plain Cement Concrete of mix 1:4:8 (one cement, four sand and eight aggregate) using 40mm ISS HBG metal from approved quarry including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
3	70.00	Providing steel centering of MS Iron angle sheets with M.S Frames for sides and soffits of Reinforced cement concrete works including necessary arrangements without props for plain surfaces Foundation and Basement for RCC Grade beams ,Column footings, Columns, Plinth beams, Stair case With all cost and conveyance of materials and lab our at site etc., Complete as per standard specification.				M2	

Signature of Tenderer

4	8.00	Plain Cement Concrete of mix 1:3:6 (one cement, three sand and six aggregate) using 20mm ISS HBG metal from approved quarry including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
5	710.00	Supplying and laying coloured designed interlocking paver block concrete paver of approved make as per tender list at petrol pump drive ways with 1:1.2:2.4 mix grade concrete blocks with minimum thickness of 80mm and providing minimum 100 mm thick stone dust cushion below the pavers and compacting the same as per directions including all cost and conveyance of and labour charges etc complete				M2	

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TIRUNELVELI CITY MUNICIPAL CORPORATION

Estimate Amount	Rs:6.60 Lakhs
EMD	Rs.6600/-
FSD	Rs. 6600/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Construction of Drain and Interlocking paver block road at Periyar nagar in ward No.20

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Construction of Drain and Interlocking paver block road at Periyar nagar in ward No.20

Estimate Amount: Rs: 6.60 Lakhs

SL. No.	Probable Quantity	Details of work	TN DS S No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	35.00	Earth work excavating and depositing on bank with an intial lead of 10m & intial lift of 2m, in hard stiff clay, stiff black cotton, hard red earth, shales, murrum, gravel stoney earth and earth mixed with small size boulders and hard gravely soil SS20B including refilling charges complying with standard specification				M3	
2	9.00	Plain Cement Concrete of mix 1:4:8 (one cement, four sand and eight aggregate) using 40mm ISS HBG metal from approved quarry including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
3	160.00	Providing steel centering of MS Iron angle sheets with M.S Frames for sides and soffits of Reinforced cement concrete works including necessary arrangements without props for plain surfaces Foundation and Basement for RCC Grade beams ,Column footings, Columns, Plinth beams, Stair case With all cost and conveyance of materials and lab our at site etc., Complete as per standard specification.				M2	

Signature of Tenderer

4	22.00	Plain Cement Concrete of mix 1:3:6 (one cement, three sand and six aggregate) using 20mm ISS HBG metal from approved quarry including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
5	70.00	Supplying and Filling with crusher including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
6	475.00	Supplying and laying coloured designed interlocking paver block concrete paver of approved make as per vendor list at petrol pump drive ways with 1:1.2:2.4 mix grade concrete blocks with minimum thickness of 80mm and providing minimum 100 mm thick stone dust cushion below the pavers and compacting the same as per directions including all cost and conveyance of and labour charges etc complete				M2	
7	50.00	RCC 1:1 1/2: 3 mix using 20mm ISS size HBG metal from approved quarry including cost and conveyance etc., complete as per standard specification				M2	
8	700.00	Supplying fabricating and placing in position of M.S or R.T.S rod including all cost of steel and binding wire tying and making grills including cost and conveyance all materials etc., complete as per standard specification				Kg	

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TIRUNELVELI CITY MUNICIPAL CORPORATION

Estimate Amount	Rs:9.00 Lakhs
EMD	Rs.9000/-
FSD	Rs. 9000/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Providing Paver block road at MGR nagar cross street in ward No.20

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Providing Paver block road at MGR nagar cross street in ward No.20

Estimate Amount: Rs: 9.00 Lakhs

SL. No.	Probable Quantity	Details of work	TN DS S No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	10.00	Earth work excavating and depositing on bank with an intial lead of 10m & intial lift of 2m, in hard stiff clay, stiff black cotton, hard red earth, shales, murrum, gravel stoney earth and earth mixed with small size boulders and hard gravelly soil SS20B including refilling charges complying with standard specification				M3	
2	3.00	Plain Cement Concrete of mix 1:4:8 (one cement, four sand and eight aggrate) using 40mm ISS HBG metal from approved quarry including all cost and convenyance of materials to site and all labour charges etc., complying with standard specification.				M3	
3	60.00	Providing steel centering of MS Iron angle sheets with M.S Frames for sides and soffits of Reinforced cement concrete works including necessary arrangements without props for plain surfaces Foundation and Basement for RCC Grade beams ,Column footings, Columns, Plinth beams, Stair case With all cost and conveyance of materials and lab our at site etc., Complete as per standard specification.				M2	

Signature of Tenderer

4	7.00	Plain Cement Concrete of mix 1:3:6 (one cement, three sand and six aggregate) using 20mm ISS HBG metal from approved quarry including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
5	940.00	Supplying and laying coloured designed interlocking paver block concrete paver of approved make as per tender list at petrol pump drive ways with 1:1.2:2.4 mix grade concrete blocks with minimum thickness of 80mm and providing minimum 100 mm thick stone dust cushion below the pavers and compacting the same as per directions including all cost and conveyance of and labour charges etc complete				M2	

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Estimate Amount	Rs:9.65 Lakhs
EMD	Rs.9650/-
FSD	Rs. 9650/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Construction of Drain and Interlocking paver block road at South Mutharamman koil cross street in ward No.24

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Construction of Drain and Interlocking paver block road at South Mutharamman koil cross street in ward No.24

Estimate Amount: Rs: 9.65 Lakhs

SL. No.	Probable Quantity	Details of work	TN DS S No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	210.00	Earth work excavating and depositing on bank with an intial lead of 10m & intial lift of 2m, in hard stiff clay, stiff black cotton, hard red earth, shales, murrum, gravel stoney earth and earth mixed with small size boulders and hard gravelly soil SS20B including refilling charges complying with standard specification				M3	
2	19.00	Plain Cement Concrete of mix 1:4:8 (one cement, four sand and eight aggrate) using 40mm ISS HBG metal from approved quarry including all cost and convenyance of materials to site and all labour charges etc., complying with standard specification.				M3	
3	645.00	Providing steel centering of MS Iron angle sheets with M.S Frames for sides and soffits of Reinforced cement concrete works including necessary arrangements without props for plain surfaces Foundation and Basement for RCC Grade beams ,Column footings, Columns, Plinth beams, Stair case With all cost and conveyance of materials and lab our at site etc., Complete as per standard specification.				M2	

Signature of Tenderer

4	67.00	Plain Cement Concrete of mix 1:3:6 (one cement, three sand and six aggregate) using 20mm ISS HBG metal from approved quarry including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
5	11.00	Providing steel centering of MS Iron angle sheets with M.S Frames for sides and soffits of Reinforced cement concrete works including necessary arrangements with props for plain surfaces Foundation and Basement for RCC Grade beams ,Column footings, Columns, Plinth beams, Stair case With all cost and conveyance of materials and labour at site etc., Complete as per standard specification.				M2	
6	2.00	RCC 1:1 1/2: 3 mix using 20mm ISS size HBG metal from approved quarry including cost and conveyance etc., complete as per standard specification				M3	
7	250.00	Supplying fabricating and placing in position of M.S or R.T.S rod including all cost of steel and binding wire tying and making grills including cost and conveyance all materials etc., complete as per standard specification				Kg	
8	135.00	Plastering with cement mortar 1:4 (One cement and three sand) 20mm thick including all the cost and conveyance of materials and labour charges etc., complete as				M2	

Signature of Tenderer

9	160.00	Supplying and Filling with crusher stone dust including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
10	400.00	Supplying and laying coloured designed interlocking paver block concrete paver of approved make as per vender list at petrol pump drive ways with 1:1.2:2.4 mix grade concrete blocks with minimum thickness of 80mm and providing minimum 100 mm thick stone dust cushion below the pavers and compacting the same as per pavers and compacting the same as per directions including all cost and conveyance of and labour charges etc complete				M2	
11	6.00	Supply and fixing of NP3 cement concrete pipe 450mm dia including all cost and conveyance of and labour charges etc complete				Rm	

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Estimate Amount	Rs:6.90 Lakhs
EMD	Rs.6900/-
FSD	Rs. 6900/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Providing paver block road at Ramasamy koil North street in ward No.24

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Providing paver block road at Ramasamy koil North street in ward No.24

Estimate Amount: Rs: 6.90 Lakhs

SL. No.	Probable Quantity	Details of work	TN DS S No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	85.00	Earth work excavating and depositing on bank with an intial lead of 10m & intial lift of 2m, in hard stiff clay, stiff black cotton, hard red earth, shales, murrum, gravel stoney earth and earth mixed with small size boulders and hard gravely soil SS20B including refilling charges complying with standard specification				M3	
2	65.00	Plain Cement Concrete of mix 1:4:8 (one cement, four sand and eight aggregate) using 40mm ISS HBG metal from approved quarry including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
3	200.00	Providing steel centering of MS Iron angle sheets with M.S Frames for sides and soffits of Reinforced cement concrete works including necessary arrangements without props for plain surfaces Foundation and Basement for RCC Grade beams ,Column footings, Columns, Plinth beams, Stair case With all cost and conveyance of materials and lab our at site etc., Complete as per standard specification.				M2	

Signature of Tenderer

4	22.00	Plain Cement Concrete of mix 1:3:6 (one cement, three sand and six aggregate) using 20mm ISS HBG metal from approved quarry including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
5	1.25	RCC 1:1 1/2: 3 mix using 20mm ISS size HBG metal from approved quarry including cost and conveyance etc., complete as per standard specification				M3	
6	125.00	Supplying fabricating and placing in position of M.S or R.T.S rod including all cost of steel and binding wire tying and making grills including cost and conveyance all materials etc., complete as per standard specification				Kg	
7	65.00	Collection, supply and filling of well gravel/ well murambu from the approved quarry and stacking the same at road sides to departmental gauge for taking pre.Measurement including cost and conveyance of well morambu to site including all labour charges for stacking etc, complete.				M3	
8	50.00	Supplying and Filling with crusher stone dust including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
9	325.00	Supplying and laying coloured designed interlocking paver block concrete paver of approved make as per vender list at petrol pump drive ways with 1:1.2:2.4 mix grade concrete blocks with minimum thickness				M2	

Signature of Tenderer

		of 80mm and providing minimum 100 mm thick stone dust cushion below the pavers and compacting the same as per pavers and compacting the same as per directions including all cost and conveyance of and labour charges etc complete					
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TIRUNELVELI CITY MUNICIPAL CORPORATION

Estimate Amount	Rs:5.60 Lakhs
EMD	Rs.5600/-
FSD	Rs. 5600/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Providing Distribution main at Gandhi puram and Nachiyar colony in ward No.28

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Providing Distribution main at Gandhi puram and Nachiyar colony in ward No.28

Estimate Amount: Rs: 5.60 Lakhs

SL. No.	Probable Quantity	Details of work	TN DS S No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	1224.00	Earth work excavating and depositing on bank with an intial lead of 10m & intial lift of 2m, in hard stiff clay, stiff black cotton, hard red earth, shales, murrum, gravel stoney earth and earth mixed with small size boulders and hard gravely soil SS20B including refilling charges complying with standard specification				M3	
2		Supplying PVC pipes and specials including all cost etc complete					
	1700.00	90mm 6 KSC PVC pipe				Rm	
	8.00	90mm PVC Coupler				Nos	
	6.00	90 mm PVC Bend				Nos	
	4.00	90mm PVC Elbow				Nos	
	6.00	90mm PVC Tee				Nos	

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	4.00	Solvent Cement				Ltrs	
	1.00	100mm Sluice valve				Nos	
	2.00	80mm Sluice valve				Nos	
	1.00	125mm Sluice valve				Nos	
3	1700.00	Lowering PVC pipes to trench and laying to proper grade and alignment jointing				Rm	
4	1224.00	Refilling the trench with excavated earth including all cost etc complete				M3	
5	3.00	Labour charges for linking arrangements				Nos	

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TIRUNELVELI CITY MUNICIPAL CORPORATION

Estimate Amount	Rs:9.95 Lakhs
EMD	Rs.9950/-
FSD	Rs. 9950/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: proposed additional construction of class room in first floor building to karungulam corporation primary school in ward No.34

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

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TENDER SCHEDULE

Name of work: proposed additional construction of class room in first floor building to karungulam corporation primary school in ward No.34

Estimate Amount: Rs: 9.95 Lakhs

SL. No.	Probable Quantity	Details of work	TN DS S No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	10.00	Dismantling the existing damaged bricks works in cement mortar including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	
2	50.00	Dismantling the existing damaged pressed tile & weathering course including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M2	
3	20.00	Earth work excavating and depositing on bank with an initial lead of 10m & initial lift of 2m, in hard stiff clay, stiff black cotton, hard red earth, shales, murram, gravel stoney earth and earth mixed with small size boulders and hard gravelly soil SS20B including refilling charges complying with standard specification				M3	
4	5.00	Plain Cement Concrete of mix 1:4:8 (one cement, four sand and eight aggregate) using 40mm ISS HBG metal from approved quarry including all cost and conveyance of materials to site and all labour charges etc., complying with standard specification.				M3	

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5	30.00	Brick work in cement mortar 1:5 mix using klinburnt bricks of size 83/4" x 41/4" x 23/4" including cost and conveyance of materials to site and all labour charges etc., complete complying with standard specification				M3	
6	150.00	Providing steel centering for sides and soffits of cement concrete works including necessary strutting arrangements with strutting for plain surfaces with props with all cost and conveyance of materials and labor charges etc., complete complying with standard specification				M2	
7	1000.00	Supplying fabricating and placing in position of R.T.S rods including cutting, bending, straightening of rods and tying the reinforcement with necessary binding wire including all cost and conveyance of materials to site and all labour cost etc., complete complying with standard specification				Kg	
8	15.00	Reinforced cement concrete 1 : 11/2 : 3 (one cement, one & a half sand and three jelly) using 20m ISS HBG metal from aproved quarry and all cost of materials for all RCC works with all cost and conveyance of materials and labour charges etc., complete complying with standard specification				M3	
9	600.00	Supplying fixing of MS sheet doors and windows and grills including all cost and conveyance of materials to site and all labour cost etc., complete complying with standard specification				Kg	

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10	130.00	Special ceiling plastering with cement mortar 1 : 3 mix , 10mm thick with all cost and conveyance of materials and labour charges etc., complete complying with standard specification				M2	
11	250.00	Plastering with cement mortar 1:5 mix , 12mm thick with all cost and conveyance of materials and all labour charges etc., complete complying with standard specification				M2	
12	50.00	Plastering with cement mortar 1:3 mix , 20mm thick with all cost and conveyance of materials and all labour charges etc., complete complying with standard specification				M2	
13	5.00	Weathering course concrete using best quality broken brick jelly of size 20mm with uniform guage in pure slacked lime in the proportion of brick jelly to slacked lime being 32 : 12.5 laid in a single layer and consolidated using wooden batters of approved pattern keeping the surface constantly wet by sprinkling lime jaggery water etc., complete complying with standard specification				M2	
14	50.00	Terrace flooring with one course or pressed tiles of size 20cm x 20cm x 2cm laid in cm 1:3 mix mixed with crude oil 10% by weight of cement and pointed with same oiled mortor including all cost of materials and labour charges etc complete complying with standard specification				M2	
15	50.00	Paving the floor with Virtified tiles of size 60cm x 60cm x 8 mm thick in C.M 1:3 for flooring of shelf designed grooves and both				M2	

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		way special colour tile of best quality and set in CM 1: 3,10mm thick and pointing with white cement using at the rate of 0.40Kg/sq.m including finishing the joint neatly and pointing flush with tile surface etc.complete.					
16	1400.00	Painting two coats with approved interior and exterior emulsion over cement plastered wall surfaces, ceiling and other new surfaces including cleaning preparing the surface and curing etc. complete as per standard specification.				M2	
17	50.00	Painting two coats with ready mixed approved paint over new steel surface including all cost of materials and labour charges etc complete complying with standard specification				M2	
18	100.00	Painting two coats with ready mixed approved paint over old steel surface including all cost of materials and labour charges etc complete complying with standard specification				M2	
19		Providing and fixing 110mm dia PVC Rain water down fall pipe eith necessary specials including all cost of materials and labour charges etc complete complying with standard specification					
	16.00	Rain Drape pipe				Rm	
20	8.00	Wiring with 2x1.5sqmm (22/0.3) PVC insulated unsheathed SC Cu. Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires with TW switch box and 5A				Nos	

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		F.T. switch in flush with wall with 3mm thick hylum sheet cover for making good of the concealed portion with suitable colour for PVC concealed light point / fan point (For electronic regulator) (SD 23)					
21	4.00	Supply and fixing of single box type 4'40 W flu fitting complete with copper choke and condensor with TW round blocks on wall or ceiling with flu tube with PVC unsheathed Copper leads from terminals to the fitting. SD88				Nos	
22	4.00	Supply and fixing of 1200 mm (48") AC ceiling fan complete with stepped electronic 300W regulator with 300mm down rod on the existing clamps (SD110)				Nos	
23	3.00	Wiring with 2x1.5sqmm (22/0.3) PVC insulated unsheathed SC Cu. Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires with TW switch box and 5A F.T. switch in flush with wall with 3mm thick hylum sheet cover for making good of the concealed portion with suitable colour for PVC plug point (SD 38)				Nos	

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Estimate Amount	Rs: 8.00 Lakhs
EMD	Rs.8000/-
FSD	Rs. 8000/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Construction of CC Drain & Culvert in Rajanagar 5th street in ward No.29

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Construction of CC Drain & Culvert in Rajanagar 5th street in ward No.29

Estimate Amount: Rs: 8.00Lakhs

SL. No.	Probable Quantity	Details of work	TND SS No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	215.00	Earth work excavation and deposing on bank with an intial lead of 10m& initial liftm of 2m sand ,slit (or)other loose soil ,wet sand (or)slit not under water,light black cotton sandy loam and ordinary soil including excavated earth as standard.				m3	
2	40.00	Plain cement concrete 1:4:8 (One cement ,Four sand and eight aggregate)mix using 40mm metal ISS HBG metal including and const and conveyance of all material to site and all labour charges etc complete.				m3	
3		Providing steel centering of sides and soffits with necessary arrangements including and const and conveyance of all material to site and all labour charges etc complete.					
a	610.00	Without Props For Drainage				m2	
b	8.00	With Props For Culvert				m2	

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4	95.00	Plain cement concrete 1:3:6 mix using 20mm ISS HBG metal from approved quarry including all cost and conveyance of all materials to site and all labour charges etc., complete.				m3	
5	75.00	Plastering with cement mortar 1: 4 mix to 20 mm thick with including cost and conveyance all materials and all labour charges etc. complete				m2	
6	700.00	Supplying , fabricating and placing in it position of MS or RTS rods including the cost of steel & Binding wire,labu-our charges for cutting,bending,placing & tying with grills and conveyance etc.,complete.				kg	
7	2.00	Rainforced cement concrete 1: 1 ½ :3 mix using 20mm ISS size HBG metal from approved quarry including all cost and conveyance of all materials to site and all labour charges etc.,complete..				m3	
8	83.00	RCC 1: 2:4 (One cement two sand and four aggregate) mix for precast slab of 50mm thick using 20mm HBG metal including cost of moulding charges with all cost and conveyance of all materials to site and all labour charges etc.,complete.as per standard specification.				m2	
9	3.00	Plain cement concrete 1:2:4 mix using 20mm ISS size HBG metal from approved quarry including cost of moulding charges with all cost and conveyance of all materials to site and all labour charges etc.,complete.				m3	

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Estimate Amount	Rs:9.55 Lakhs
EMD	Rs.9550/-
FSD	Rs. 9550/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Providing Paver block pavement at Thadiveeran kovil west street in ward No.44

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

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TENDER SCHEDULE

Name of work: Providing Paver block pavement at Thadiveeran kovil west street in ward No.44

Estimate Amount: Rs: 9.55 Lakhs

SL. No.	Probable Quantity	Details of work	TN DS S No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	22.00	Earth work excavating and depositing on bank with an intial lead of 10m & intial lift of 2m, in hard stiff clay, stiff black cotton, hard red earth, shales, murrum, gravel stoney earth and earth mixed with small size boulders and hard gravely soil SS20B including refilling charges complying with standard specification				M3	
2	9.00	Plain Cement Concrete of mix 1:5:10 using 40mm ISS HBG metal from approved quarry including all cost and convenyance of materials to site and all labour charges etc., complying with standard specification.				M3	
3	175.00	Centering and shuttering for plain surfaces such as column footing, grade beams, plinth beams, stair case steps and drainage (without strutting)				M2	
4	34.00	Plain Cement Concrete of mix 1:3:6 (one cement, three sand and six aggrate) using 20mm ISS HBG metal from approved quarry including all cost and convenyance of materials to site and all labour charges etc., complying with standard specification.				M3	

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5	855.00	Supplying and laying coloured designed interlocking paver block concrete paver of approved make as per vender list at petrol pump drive ways with 1:1.2:2.4 mix grade concrete blocks with minimum thickness of 80mm and providing minimum 100 mm thick stone dust cushion below the pavers and compacting the same as per pavers and compacting the same as per directions including all cost and conveyance of and labour charges etc complete				M2	
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Estimate Amount	Rs: 1.50 Lakhs
EMD	Rs.1500/-
FSD	Rs. 1500/-

Schedule 'A'
Schedule of rate and approximate quantity

Name of work: Providing Deep Bore well and Contruction of Mini OHT at Siddik Nagar (Near by plot No:55) in Ward No: 29

a) The Quantities given here in are those upon which the lump sum tender cost of the work is based. But they are subject to alterations. Corrections, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit area rates below are those governing contract as set forth in the preliminary specifications of the Tamil Nadu Details standard specifications and other conditions or specifications of the contracts.

b) It is to be expressly understood that the measured work is to be taken (not with standing the system or practice to the contract) according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by the requirement of weight at the respective prices without any additional charge for any necessary or contingent works connected there with. The rates are for work in site and complete in every respect.

Signature of Tenderer

TENDER SCHEDULE

Name of work: Providing Deep Bore well and Contruction of Mini OHT at Siddik Nagar (Near by plot No:55) in Ward No: 29

Estimate Amount: Rs: 1.50 Lakhs

SL. No.	Probable Quantity	Details of work	TND SS No.	Rate		Unit in words & figures	Amount
				Figures	Words		
1	5.00	Earth work excavation and deposing on bank with an intial lead of 10m& initial liftm of 2m in hard siff clay , stiff black cotton , hard red earth shales , murram , gravel, stoney earth and earth mixed with small size boulders and hard gravelly soil asper standard specification 20.B including refilling charges				m3	
2	1.07	Plain cement concrete 1:4:8 mix using 40mm ISS size HBG metal from approved quarry including the cost and conveyance of all materials and all labour charges etc. complete asper standard speicfication.				m3	
3	6.00	Providing steel centering for sides and soffits of cement concrete works including necessary arrangements with strutting for plain surfaces with props, With all cost and conveyance of materials and lab our at site ect ., Coplete as per standard specification.				m2	
4	2.00	Plain Cement Concrete 1:3:6 mix using 20mm ISS HBG metal from approved quarry including cost and conveyance of material to site and all labour charges etc., complete				m3	

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5	250.00	Supplying, fabricating and placing in it position MS or RTS rod including the cost and conveyance steel and binding wire and labour charges for cutting, bending, placing and tying with grills etc. complete as per standard specification				Kgs	
6	2.00	Reinforced cement concrete of mix 1:1 1/2:3 using 20mm ISS size HBG metal from approved quarry including all the cost and conveyance of materials to site and all labour charges etc. complete as per standard specification.				m3	
7	2.00	Brick work in cement 1:5 mix using well burnt country bricks of size 8 3/4"x4 1/4"x2 3/4" including all cost and conveyance etc complete as per standard specification				m3	
8	2.44	Providing polished coddapha slab of 20mm to 30mm thick for shelves, cupboards, coverslabs etc., and pointing with cement mortar 1:3 and mixed with black oxide and finished smooth etc., complete					
9	1.00	Weathering course with brick jelly lime concrete of 20mm size brick bats with pure slacked lime (32:12.5 ratio) and laying to required slope to 0.08m thick and well beaten with wooden beaters including cost and conveyance of all materials to site and all labour charges etc. complete as per standard specification.				m3	
10	2.00	Terrace flooring with one course of hydraulic pressed tiles of size 20 x 20 x 2cm over the weathering course with				m2	

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		cement mortar 1:3 mix mixed crude oil 10% by weight of the cement used including cost and conveyance of all materials to site and all labour charges etc. complete as per standard specification.					
11	7.00	Special ceiling plastering with cement mortar 1:3 mix to 10mm thick including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification.				m2	
12	11.00	Dadoing the walls with glazed square of 200mm x 200mm x 6mm of the following colour set in cement mortar 1:2, 10mm thick and pointed with white cement @ 0.4kg/m2 in all floors as directed etc. complete complying with standard specification.					
13	2.00	Paving the flooring with colour design ceramic first quality Vitrified tiles of size 300mm x 300mm x 6mm in cement mortar 1:3, 10mm thick with all cost and convenyance of materials etc., for flooring of self designed grooves and both way special colour tile of best quality and pointing with white cement using at the rate of 0.40kg/sqm including finishing the joint neatly and pointing flush with tile surface etc complete complying with standard specification					
14	30.00	Supplying and fixing of MS sheet doors and widows and grills including all cost and conveyance all materials to the site and all labour charges etc. complete				Kgs	

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15	8.00	Providing Interior and Exterior emulson paint two coats using best and approved colour including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification.				m2	
16	2.00	Painting two coats with ready mixed approved paint over new steel surface including cost and conveyance all materials etc. complete				m2	
17	1.00	Conducting Geophysical Investgation for finding ground water table with necessary T & P including all labour charges etc complete as per std specification				Nos	
18	120.00	Providing 110 mm dia Bore well in all classes of soils using Ring with compressor including all T & P and all labour charges etc complete as per std specification				Rm	
19	12.00	Supplying of 140mm dia PVC Special Blue pipes for borwelles outer casing pipe of best quality including all labour charges etc., complete as per SI no 177.A (c) PWD schedule of rate and standard specification				Rm	
20	12.00	Labour Charges for inserting 140mm OD PVC casing pipes assmbly (with slots or without slots) in the drilled hole including the jointing the pipes with PVC couplers with cement paste ect.complete as per schedule item no 14-d(i)of TWAD schedule of rate.				Rm	

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21	1.00	Supplying and fixing of 1.00 HP compressor motor with all cost and conveyance of material and labour cost at site etc. complete. as per standard specification				Nos	
22		Supplying of following pipes and special including cost and conveyance all materials etc. complete					
	120.00	1" HDPE hose				Rm	
	10.00	1" GI pipe				Rm	
	1.00	1" GI union				Nos	
	4.00	1" GI elbow				Nos	
	2.00	1" GI tee				Nos	
	5.00	1" GI coupling				Nos	
	2.00	1" G.I Hex Nipple				Nos	
	2.00	1" x 1/2" GI Reducer				Nos	
	120.00	1/2" HDPE hose				Rm	

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	10.00	1/2" GI pipe				Rm	
	1.00	1/2" GI union				Nos	
	4.00	1/2" GI elbow				Nos	
	1.00	1/2" GI tee				Nos	
	4.00	1/2" GI coupling				Nos	
	2.00	1/2" G.I Hex Nipple				Nos	
	2.00	1" Hose color				Nos	
	2.00	1/2" Hose color				Nos	
	8.00	1" PVC Pipe				Rm	
	4.00	1" PVC Coupling				Nos	
	4.00	1" PVC Tee				Nos	
	4.00	1" PVC Ellbow				Nos	

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	8.00	3/4" PVC Pipe				Rm	
	4.00	3/4" PVC Coupling				Nos	
	4.00	3/4" PVC Tee				Nos	
	4.00	3/4" PVC Ellbow				Nos	
	4.00	3/4" x 1/2" PVC Reducer				Nos	
	1.00	3/4" G.I Gate valve				Nos	
	1.00	Bottom unit				Nos	
	1.00	Bore cover				Nos	
	1.00	1000 litre tank				Nos	
	4.00	15mm SD tap				Nos	
	2.00	Solvent cement				Ltrs	

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23	40.00	Supply and run of 2 of 4 sq.mm(56/0.3) PVC insulated SC unsheathed Cu.conduction of 1100V on 7/20 GI bearer wire for service connection mains. (SD 65)				Rm	
24	6.00	Supply and run of 2 of 6 sq.mm.(84/0.3)PVC insulated SC unsheathed Cu.Conductor of 1100V grade in 25mm dia GI pipe (class 'B') suitably bent at both ends with neccessary angle iron upright and end support for mains(SD 71)				Rm	
25	1.00	Supply and fixing of 16 Amps DP Switch with metal clad of 500 V with fuse and neutral (Side Handle) on suitable TW Box PWD Earthing(SD 141)				Nos	
26	1.00	Earthing as per the ISI specification with an earth electrode of 2.1 mt class 'B' GI pipe of dia not less than 40mm, with copper earth plate of size 125mmx50mmx6mm, with necessary funneling arrangements with necessary masonry work and with 38mm RCC cover slab for the brick masonry. (SD 233)				Nos	
27	2.00	Supply and fixing of 15A aerial fuse unit(500A) on suitable 100x100 mm TW concealed box with hylem sheet on on the tapping pole with necessary clamps (SD 128)				Nos	
28	1.00	Supply and Fixing of TNEB meter Board suitable for 32A single Phase service connection with 32A Fuse unit (500V) 32A neutral link and earth link (1"x1/8" copper flat) on TW plank of size 375mm				Nos	

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		x 300mm x 19mm with supporting TW reepers of 1" thick an either side with painting with suitable bolt and nuts for fixing the TW plank on wall with earth connection with 7/20 PVC insulated copper wire from EB meter to fuse unit,(SD 125).					
29	1.00	Supply and Fixing of 5A or 10 Amps AC Single phase 230 V , 50 HZ watt hour metre on Suitable TW box complete with earth connections. (SD 124)				Nos	
30	1.00	Errection of pipes and specials in to borwell and conneckion 1.00 HP compressor motar etc., complete as per standard specification				Nos	
31	1.00	TNEB charges for new service connection main with all cost and conveyance of material and labour cost at site etc. complete. as per standard specification				Nos	

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