



GOVERNMENT OF TAMILNADU
PUBLIC WORKS DEPARTMENT

**Office of the Superintending Engineer, P.W.D.,
Buildings (Construction and Maintenance) Circle, Medical Works,
Chepauk, Chennai - 5.**

TENDER
DOCUMENT

Name of work: Provision of cable tray, LED strip lights, sump room power mains, Port switches for CCTV and Auditorium AC starter panel for the newly constructed Kallakurichi Medical College buildings in Kallakurichi District.

Tender shall be submitted on or before: 15.00 Hrs. on 08.07.2022

EMD : Rs.25,900/-

Tender Documents sold to

**GOVERNMENT OF TAMIL NADU
PUBLIC WORKS DEPARTMENT
OFFICE OF THE SUPERINTENDING ENGINEER P.W.D., BUILDINGS
(CONSTRUCTION and MAINTENANCE) CIRCLE, MEDICAL WORKS,
CHEPAUK, CHENNAI -5.**

Name of Work : **Provision of cable tray, LED strip lights, sump room power mains, Port switches for CCTV and Auditorium AC starter panel for the newly constructed Kallakurichi Medical College buildings in Kallakurichi District.**

Last date of receipt of Tender : **08.07.2022 upto 3.00 PM**

E.M.D. to be remitted : **Rs. 25,900/- (Rupees Twenty Five Thousand Nine Hundred Only)**

Mode of E.M.D. to be remitted : **E.M.D. will be accepted in the shape of Demand Draft and Fixed Deposit Receipt of the Nationalised Banks/ Scheduled Banks drawn in the favour of the **Executive Engineer, (Electrical), PWD, Electrical Division, Villupuram** and also in the form of Small Savings Scripts / National Savings Certificates (NSC) / Term Deposits / Savings Bank Account Pass Book of Postal Department duly pledged in the name of the **Executive Engineer, (Electrical), PWD, Electrical Division, Villupuram** No other mode of payment will be accepted.**

1. Tenders not submitted in sealed cover will be summarily rejected.
2. The rate in the words and figure for each item of schedule should invariably/ be furnished by the tender without fail in appropriate columns, corrections, scribbling, over writing and erasing (should be avoided as far as possible) should be attested by the tenderer.
3. The total value of each item of work should be worked out and entered in the amount column. Proper care must be taken in working out the value of each item of work taking in to account the unit for which the rate is quoted and the quantity of work to be done under the item.
4. The total from each page should be noted at the end of each page and carried over to next page. The grand value of the tender should be worked out and furnished at the end both in words and figures.

ANNEXURE

PARTICULARS TO BE FURNISHED BY THE TENDERER

1. Name of the Tenderer and address :
2. Name of Work :
3. Date of Tender :
4. Total value of tender :
5. Details about EMD enclosed for this tender & its validity :
6. Registered class of the Tenderer in PWD with monetary limit :
7. Recent works executed (details about name and place of work, value of work etc. should be furnished) :
8. Works under execution (details about name and place of work, value of work etc. should be furnished) :
9. Command of Labour in brief :
10. Turnover of previous year (particulars for period of three consecutive years to be furnished) :
11. Whether Income Tax clearance certificate is enclosed if not when it will be produced :
12. i. GST registration No. :
ii. GST paid details :

Details with regard to name of work, nature of work etc. may be furnished in a separate sheet :

Contract	Name of Work	Value of work	Period of Contract	Nomination or on contract basis
1.	2.	3.	4.	5.

-
13. Annual turnover for the three years :
14. Solvency / immovable / cash :
15. Tools and plant owned :
16. Was there any default in fulfilling terms of contract :
17. Special remarks if any :

Station :

Date :

Signature and name of the
Unemployed Engineer

Contractor

DECLARATION SHOULD BE FURNISHED BY UNEMPLOYED ENGINEER

1. Name :
2. Address :
3. Age :
4. Native :
5. District :
6. Qualification :
7. Year of Passing :
8. No of years of employment :
9. Name of the Division in which Registered as an unemployment Engineer :
10. Date of Registration :
11. Class of contract Monetary limit :
12. Previous Experience in year :
 - a. Irrigation
 - b. Road work
 - c. Buildings
 - d. Bridges
 - e. other
13. In case of registered co-operative societies they should furnish name for the nominee with their credentials details at the time of tender itself. They should also certify that the nominee of the society is not a registered contractor in the Department. :
14. Technical Assistant details :
 1. Name :
Qualification Certificate :
Experience Certificate :
OR
 2. Name :
Qualification Certificate :
Experience Certificate :
OR
 - Name :
If Retired Civil Engineer Designation :
And date of retirement (copy may be enclosed)
15. If any other details :

Note: The consent letter from the Technical Assistant proposed to be employed should be furnished and enclosed with the tender.

FOR SPECIAL ATTENTION OF THE CONTRACTOR

1. Proof of registration in PWD, as a contractor shall be attached with the tender.
2. Current Income Tax clearance certificates shall be enclosed with the tender.
3. EMD will be received in the shape as detailed in page 1 (mode of EMD to be remitted).
4. Security should be in the form of National Savings Certificates / Deposits / Accounts of Postal Dept Pledged in the Name of Electrical Engineer Concerned as per the form prescribed by the Dept. only. No other form of EMD and security deposit will be accepted vide G.O. No. 227 dt. 13.4.82 and G.O.M.S. No. 283 Public Works (G2) Dept dt. 21.05.99.
5. The following particulars shall also be furnished by the contractor with the value.
 - a. List of details of works executed by the contractor with the value.
 - b. Annual turn over of the contractor for the last one year, necessary certificates to the effect issued by the respective bank shall be attached.
6. The lower / lowest tenderer when informed that his tender is under consideration shall have to furnish PERT chart in the proper form within a week from the date of receipt of letter calling for PERT chart. The part chart should confirm departmental time schedule for the completion of the work furnished in the tender notice. If the pert chart is not received within a week from the date of receipt of communication, his tender will not be considered.
7. The tender document will be issued only to the contractors who have registered their names as contractors in PWD in the appropriate class, and whose names are duly renewed during the current year. this condition is applicable to the contractors whose tender documents are downloaded from web.

TENDER NOTICE

1. On behalf of Government of Tamil Nadu sealed tenders will be received by the Superintending Engineer, PWD., Building (Construction and Maintenance) Circle, Medical works, Chepauk, Chennai -5 at his office upto **3.00 p.m** on **08.07.2022** for **Provision of cable tray, LED strip lights, sump room power mains, Port switches for CCTV and Auditorium AC starter panel for the newly constructed Kallakurichi Medical College buildings in Kallakurichi District.**
- 1.1. The tender should be in the prescribed form obtainable from the office of the Superintending Engineer, PWD., Building (Construction and Maintenance) Circle, Medical works, Chepauk, Chennai-5 The tenders will be opened by the Superintending Engineer, PWD., Building (Construction and Maintenance) Circle, Medical works, Chepauk, Chennai -5 at the place and on the date afore mentioned.
2. The tenderers or their agents are expected to be present at the time of opening of Tenders. The tender receiving officer will on opening each tender, prepare a statement of the attested and unattested corrections there in and hand it over to the tenderer concerned and initial all such corrections in the presence of the tenderer. If any of the tenderers or their agents find it inconvenient to be present at the time, then in such a case the tender receiving officer will on opening the tender of the absentee tenderer, make out a statement of the unattested corrections and communicate it to him. The absentee tenderer shall then accept the statement of the corrections without any questions whatsoever.
- 2.1 Tenders may be submitted in sealed covers and should be addressed to the Superintending Engineer, PWD., Building (Construction and Maintenance) Circle, Medical works, Chepauk, Chennai -5 The name of the tenderer with their address and the name of the work being noted in the cover.
3. If the tender is made by an individual it shall be signed with his full name and his address shall be given. If it is made by a firm, it shall be signed with the co-partnership name by a member of the firm who shall also sign his own name, and the name and address of each member of the firm shall be given. If the tender is made by a corporation, it shall be signed by a duly authorised officer who shall produce with his tender, satisfactory evidence of his authorisation. Such tendering corporation may be required, before the contract is executed, to furnish evidence of its corporate existence.
- 3.1 Each tenderer must also send a certificate of income tax verification from the appropriate income tax authority in the form prescribed thereof. The certificate will be valid for one year from the date of issue for all tenders submitted during the period.

In the case of proprietor firm, it will be necessary to produce the certificate afore mentioned for the proprietors and for each of the partner as the case may be.
- 3.2. **Class- II and above in PWD with Monetary limit upto Rs.75 Lakhs with ESB and above License holders**
- 3.3. All tenders received without a certificate as before mentioned will be summarily rejected.
4. Each tenderer must pay as earnest money deposit a sum of **Rs.25,900/-** In any form of security deposit inclusive of bank, small savings script, D.D, accounts deposits NSC or postal savings account pass book postal time deposits accounts in favour of the **Executive Engineer, (Electrical), PWD, Electrical Division, Villupuram** The earnest money will be refunded to the unsuccessful tenderer on application after intimation is sent on rejection of the tender or acceptance of successful bidder by the concerned authority at the expiration of three months from the date of tender whichever is earlier. However the earnest money for the first three lowest tenderers will be retained till the final decision is taken on tender. This refund of the first three lowest tenderer will be considered only by the tender accepting authority. if any additional EMD is required after tender, should be paid before acceptance of agreement.
- 4.1. The EMD will also be accepted in the shape of deposit at call receipts and demand draft of the Nationalised Banks./ Scheduled Banks The demand draft of the Nationalised Banks/ Scheduled banks furnished towards earnest money deposit should be drawn in favour of the Electrical Engineer, concerned.

Earnest money deposit will also be accepted in the shape of National savings scripts / Deposits/ accounts of postal Dept. with the knowledge of the post office concerned and duly pledged to the Electrical Engineer concerned. No other mode of payment will be accepted.

The earnest money will be retained in the case of successful tenderer and will not carry any interest. It will be dealt with as provided in the tender.

- 5 The tender will remain valid for a period of ninety days, from the last date of receipt of tender. The validity period can be extended further if the contractor gives his consent in writing, specifying the period of extension.
- 5.1 The Tenderer whose tender is under consideration shall attend the Superintending Engineer's office before the end of the period specified by written intimation to him. If the tenderer fails to attend the office before the end of the specified period his tender will not be considered. He shall forthwith upon intimation being given to him of acceptance of his tender by the officer, duly authorised in this behalf, under article 299(1) constitution of the hereinafter called the tender accepting authority, make security deposit of 2% of the value of contract, in one of the form prescribed by department (ie) by taking into account of the amount of Earnest money Deposit already deposited with the tender it would be sufficient to pay the balance amount to make upto 2% of the value of contract for the purpose of security deposit. The earnest money deposit in the shape of Demand draft has to be converted as National Savings certificates/scripts/deposits/accounts of postal department and pledged to the ELECTRICAL ENGINEER concerned by the successful tenderer on intimation of acceptance of tender. It would be sufficient to pay the balance amount to make up the 2% of the value of contract for the purpose of security deposit, which has to be remitted only in the shape of NSC/deposits /accounts of postal department or Irrecoverable Bank guarantee as per the form prescribed. The security deposit together with earnest money deposit and the deductions made at 5% of the value of each bill, towards with held amount vide clause 64(i) of General condition to contract out of which 2 1/2% deducted withheld amount will be released in final bill of the work, such deposit shall not bear any interest.
- 5.2 On receipt of written communication of acceptance of tender, if the tenderer fails to pay the requisite security deposit within the period specified in the written communication or back out from the tender, or withdraw his tender, the EMD shall be forfeited to the Government.
- 5.3 If the contractor fails to carryout the contract after paying the requisite security deposit then he will be liable for the excess expenditure if any incurred to complete the work, as contemplated in the general conditions of contract.
- 5.4 It shall be expressly understood by the tenderer, that on receipt of written communication of acceptance of tender from the accepting authority by the tender there emerges a valid contract between the Govt. of Tamil Nadu and the tenderer for execution of the work without any separate written agreement. Hence for this purpose the tender documents (i.e.) tender notice, tender offered b contractor general conditions to the contract, special conditions of the contract, negotiation correspondence written communication of acceptance of tender etc. shall constitute a valid contract and that will by the foundation of the rights of both parties to the contract, provided that it shall be open to the accepting authority to insist execution of any written agreement by the tenderer, if administratively considered necessary or expedient.
6. The work in PWD Buildings executed by the contractor under contract shall be maintained at the contractor's risk until the work is taken over by the Electrical Engineer. The contractor shall take risk insurance at his own cost against fire flood, volcanic eruption, earth quake other convulsion nature and all other natural calamities risk arising out of act God, during such period and that the government shall not be liable for any loss or damage occasioned. The contractor shall not be liable for all or any loss of damaged occasioned by or arising out of facts of foreign enemies invasions, hostilities or war like operation (before of after declaration of war) rebellion military power.
7. The tenderer shall examine the Tamil Nadu Building's practice and also general condition of the contract contain therein and sign the divisional office copy of the Tamil Nadu Building practice and its addenda volume in token of such study before submitting his tender unit rate which shall be for finished work in site. He shall also carefully study the drawings and additional specification and all the documents connected with the contract. The Tamil Nadu building practice and other documents with the contract such as specification, plans descriptive specification sheet regarding materials, etc. can be seen at any time during office hours from 11.00 a.m. to 5.00 p.m. in the office of the Superintending Engineer, PWD., Building (Construction and Maintenance) Circle, Medical works, Chepauk, Chennai -5

8. The written agreement to be entered in to between the contractors and the Government shall be foundation of the rights of both the parties and the contract shall not be deemed to be complete until the agreement has first been signed by the contractor and then by the office authorised to enter into contract on behalf of Government.

8. (A) 2 ½% of the total value of the work will be retained in the final bill of the work for a period of one year recovered from the date of completion of the work in order to enable the department to watch the effect of all sessions of the work. The contractor should furnish an indemnity bond for further period of four years. If any defects are noticed in the above said period the defects should be rectified by the contractor at his own cost as directed by the departmental officers and no extra payment will be made for the rectification such work.

REVENUE RECOVERY ACT

Whenever any amount has to be paid by the contractor in view of determination of the contract by virtue of clause 57(4) of Tamil nadu Building Practice (i.e.) if any amount that may be due or may become due from the contractor under theses Provisions and the contractor is not responding to the demands for the payments of the said amount, then the government shall be entitled to recover the said amount under the provision of the Revenue Recovery act.

The Arbitrator for fulfilling the set forth in the arbitration clause of the general conditions to the contract shall be.

- i. The Superintending Engineer, PWD Buildings Construction and Maintenance circle, Chennai – 600 005 in case of value of claim does not exceed Rs. 50,000/-
 - ii. In case of the value of claim over Rs. 50,000/- and above, the remedy will be through competent civil court only.
9. The Government will not however after acceptance of contract, rate, pay any extra charges for lead or for any other reason in case, the contractor is found later on to have misjudged the materials available. Attention of the contractor is directed to the General condition of the contract regarding payment of Seigniorage toll etc.
10. The tenderer's particular attention is drawn to the section and clauses in the general conditions to the contract dealing with
1. Test inspection and rejection of defective materials on work.
 2. Carriage
 3. Construction plant
 4. Water and lighting
 5. Cleaning up during progress and for delivery
 6. Accidents
 7. Delays
 8. Particulars of payment.
11. The contractor should closely peruse all the specifications classes which given the rates which he is tendering.
- 11.1 A schedule of quantity accompanies this tender notice it shall be definitely understood that, the Government does not accept and responsibility or the correctness or completeness of this schedule and that this schedule is liable to alternation by omissions, deductions or additions at the discretion of the Electrical Engineer, Concern or as set forth in the condition of contract. The tenderer will however base his lumpsum tender on this schedule of quantities. In the case of percentage tender system for the works costing upto Rs. 100.00 Lakhs, the tenderer should quote their tender percentage excess/Less (instead of quoting specific rate for each item in the schedule) for the works with reference to the total estimated value put to tender. In case of other works costing more than Rs. 100.00 Lakhs he should quote rates for each item in the schedule and the rates should be in rupees and in sum of five paise. The rate should be written both in words and figures and the units in words. The tender should also show the total of each item and the grant total of the whole contract and quote in the tender a lumpsum for which he will undertake to dot the whole work subject to the condition of contract such lumpsum agreeing with the total amount of schedule A. This schedule accompanying the lumpsum tender shall be written legibly and free from

- erasure over writing or conventions of figures. Correction where unavoidable should be made by crossing out, initialing, dating and rewriting.
12. The tender offering a percentage deduction from or increase on the estimate amount (except in the case of tender. Called for specifically under the percentage rate tender system) and those not submitted in prescribed form or in due time will be rejected. Rates or lumpsum amounts for items not called for shall not be included in the tender. No drawings, specifications which is made by the tenderer in the contract from the conditions of contract, the drawings, specifications or quantities accompanying the same will be recognized and, if any such alternations are made, the tender will be in valid.
 13. The tenderer should work out his own rates without reference being made to PWD current schedule rate or PWD Estimates. However in case tender called for under the percentage tender system, the tender should work out his own rate but quote his percentage rate above or below the total estimate cost of work of the department indicated in the tender schedule.
 14. The price at which and the source from which certain particulars materials shall obtained by the contractor are given at the end of the schedule accompanying the tender form. Tenderers must accept the material at these prices and shall quote their price for finished work accordingly. Not withstanding any subsequent change in the market value for these materials the charge to the contractor will remain as originally entered in the written contract. No centage or incidental charges will be borne by Government in connection with this supply.
 15. The attention of the tendered is directed to the contract requirements as to the time of beginning works the rates or progress and the dates for the completion of the whole work and its several parts. The following rates of progress and of proportionate value of work done from time to time as will be indicated by the Electrical Engineer certificates of the work done will be required. Date of commencement of this programme will be the date on which the site, (or) premises is handed over to the contractor.

Period after date of Commencement (1)	Percentage of work to be complete based on Contract lumpsum amount (2)
Ist Month	50%
IInd Month	100%

Note: The periods to be entered in column I for the purpose of defining the rates of progress may be fixed by the Superintending Engineer or Electrical Engineer to suit each case.

16. No part of the contract shall be sub-let without written permission of the Electrical Engineer, nor shall transfer be made by power of attorney, authorizing others to receive payment on the contractor's behalf.
17. If further necessary information is required the Electrical Engineer of the Division will furnish such but it must be clearly understood, that tenders must be received in order and according to instructions.
18. The Superintending Engineer is reserved the right to reject any tender or all the tenders without assigning any reason therefore.
19. The tenderers who are themselves not professionally qualified shall undertake to employ qualified/technical man at their cost to look after the work. The tenderers should state in clear terms whether they are professionally qualified or whether they undertake to employ technical men required by the department, specified in the schedule below for the work, he should see that one of the technically qualified men is always at the site of the work during working hours, personally checking all items of works and paying extra attention to such works as may demand special attention (e.g.) Reinforcement concrete works etc.

EMPLOYMENT OF TECHNICAL PROFESSIONAL

(Based on the value of contract)

1. Up to Rs. 5.00 Lakhs :
 1. One diploma holder in Electrical Engineering (or)
 2. Not less than one retired Junior Engineer
2. Form Rs. 5 to 10 Lakhs :
 1. One B.E. (Electrical) or
 2. Equivalent degree holder or
 3. Not less than one retired Sub – Divisional officer. Asst. Electrical Engineer or ADE or
 4. One diploma holder with three years experience.
3. From Rs. 10 to 25 lakhs
 1. One B.E. Electrical with 3 years experience plus one diploma holder in Electrical Engineering (or)
 2. Equivalent degree holder with 3 years experience Plus on diploma holder in Electrical Engineer.
 3. Not less than one retire sub-Divisional officer plus one diploma holder in Electrical Engineering.
 4. Two diploma holders in Electrical Engineering with 3 and 5 years experience respectively.
- From Rs. 25 to 50 Lakhs:
 1. One B.E. Electrical with 3 years experience plus two diploma holders in Electrical Engineering (or)
 2. One B.E Electrical with 3 years experience plus two retired Junior Engineers (or)
 3. Equivalent degree holders with 3 years experience plus two diploma holders in Electrical Engineering/two retired Junior Engineers.
 4. One retired sub – Divisional officer AE E/ADE plus two diploma holder in Electrical Engineering. (or)
 5. One retired Sub – Divisional Officer / Assistant Electrical Engineer ADE plus two retired Junior Engineers.
5. Above Rs. 50 Lakhs: To be examined in individual cases depending on the nature of work and the technical skill involved and defined in the tender notice regarding the number of qualified technical person to be employed by the contractor.
 - a. A penalty of Rs. 2000/- per month for diploma holders and Rs. 5,000/- per month for degree holder be levied in case of default on the part of contractors in following the norms laid down above.
 - b. The employment of technical Assistants could be based only on value of contract, Engineers with mechanical Engineering qualification and retired from Civil Engineer Departments are also suitable to supervise the Civil Engineering works because of their experience in Civil Engineering field.
It will not be incumbent as the part of the contractor to employ technical Assistants when the work is kept in abeyance due to valid reasons and if during period in the opinion of the Electrical Engineers the employment of Technical assistant is required for the due fulfillment of the contract.
 - c. In case of the contractor who is professionally qualified not in position on remain always at the site of work during working hours personally checking all items of work and paying extra attention of the works as may demand special attention
 - d. One technical Assistant may be employed by the contractor for more than one work situated within one Kilometre provided that monetary limit prescribed for the nature of Technical assistants to the employed is adhered to by one and the same contractor.
20. A tenderer submitting a tender which the tender accepting authority considers excessive and or indicative of the sufficient of the insufficient knowledge of current prices of definite attempt at profiteering will under himself liable to be debarred permanently from tendering or for such period as the tender accepting authority may decide. The tender rates should be based on the controlled price for materials. If any rates fixed by Govt. or the reasonable price permissible for the tenderer to charge a private purchaser under the provisions of clause 8 of the Boarding the profiteering prevention ordinance 1943, as amounted from time to time and on similar principles in regard to labour and supervision in the construction.

21. The contractor should offer employment to ex – toddy tapers as far as possible The number of ex – today tapers to whom he can so offer employment should be mentioned in the tender and he should undertake in the agreement to offer such employment to such number.
22. Contractors shall comply with the provisions of the **Apprentices. Act 1961** and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of Contract and the competent authority, may at his discretion, cancel the contract, or invoke any of the penalties for the breach of contract provided in the conditions of the contract. The Contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the Act.
23. In the case of contracts for construction of buildings, either permanent or semi permanent buildings a sum of equivalent to 2 ½% of the value of work done will be retained from the date of completion of work in order to enable the department officers to watch the effect of all seasons on the work done by the contractor. The amount so retained with the Government will be refunded only on the expiry of one year period referred to above and on execution of indemnity bond by the contractor for a further period of four years. The contractor shall be liable to set right at defects arising out of this faulty execution or substandard work noticed during the above five years period at his cost.
24. A movement register should be opened and maintained, for technical Assistants by the contractor or for the technically qualified Contractor. The technical Assistants or Technically qualified contractor should note the arrival and the departure timing every day along with initials. Such register should be produced during inspection of the inspecting officers.
25. Without prejudice to the generating of the above clause the contractor shall during the currency of the contract when called upon the Engineer, incharge engaged and also ensure engagement by the sub-contractors and other employees by the contractor in connection with the work, such number of apprentices in the categories mentioned below and for such period as may be required by the Engineer – in – Charge.
26. The fact of submitting the tender implies that the tenderers have actually inspected the site of work and have examined before tendering the nature and extent of various kinds of soils at various depth and have based their tender in such examination by them and no future representation in this regard will be considered.
27. A statement giving brief particulars of equipment and resources that will be put at the disposal of the work under the following classifications should accompany the tender.
 - a. Equipment (Transport for materials viz. Lorries and carts. Concrete mixtures)
 - b. Organisation I). Technical ii) Unskilled
 - c. Resources of material, like teakwood etc. and extend to which dept. help is required for procurement of materials and transport of the same.
 - d. Methods that will be adopted to speed up the work to ensure completion with or less than the time fixed for completion.
28. The tenderer of the contract who agree to employ the maximum number of ex service men (Number to be specified in the tender) will receive preferential consideration. The tenderers are requested to report on their covering letter.
29. The registered PWD contractors who had not already produced those certificates in the current year also should do so.
30. The Superintending Engineer reserves to himself the right of allotting the different sub work to the different contractors or to one and the same contractor as he may denote after the receipt of tenders.
31. In the event of the works transferred to any other circle/division / sub-division and Superintending Engineer/Electrical Engineer/Assistant. Electrical Engineer who is in charge of the Circle/Division/ Sub-Division having jurisdiction over work shall be competent to exercise all power and privilege reserved in favour of the Government.
32. Royalty on seigniorage charges will be charged for the material quarried from the PWD District Board forest or other Government quarries.No plot rent will be charged for materials stocked on Government Land during the course of construction work is completed.
33. Royalty or charges due for the use of private quarries and private land shall be paid by the contractor.

APPENDIX – II (A) TENDER

To

His Excellency the Governor of
Tamilnadu Represented by the
Superintending Engineer/ PWD
Buildings (Construction and Maintenance) Circle,
Medical Works,
Chepauk, Chennai -5
Sir,

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

.....
.....

As shown in the drawings and describing in the specification deposited in the office of the Superintending Engineer, PWD., Building (Construction and Maintenance) Circle, Medical works,Chepauk, Chennai -5 with such variation by way of alternations or additions to and omission from the said works and methods of payments as are provided for in the conditions of contract for the sum of rupees

.....
.....

Such or a sums as may be arrived at under the clause of the General condition to contract relating to payment on lumpsum basis or by final measurements at unit prices.

2.(i) I/We have also completed the price list of item schedule “A” annexed (in words and figures) for which I/We agree to execute the work and receive payment on measured quantities as per the General conditions to the contract.

3. I/We do hereby distinctly and expressly declare and acknowledged that before the submission of my/our tender. I/We carefully followed the instructions in the tender notice and have read the Tamil nadu Building practice and the General conditions to the contract therein and the Tamil nadu Building practice agenda volume and that I/We have made such examinations of the contract documents and of the plans, specifications, quantities and of the location where the said work is to be done and such investigation of the work required to be done and in regard to the materials required to be furnished has to enable me/us to thoroughly understand the intention of the same and the requirement covenants stipulations and restrictions contained in the contract and in the said plans and specifications and distinctly agree that I/We will not hereafter make may claim or demand upon the Government based upon or arising out of any alleged misunderstandings or misconception of mistakes on my/our own of the said requirements and covenants, stipulations restrictions and conditions.

4.I/We enclose an income tax verification certificate. I/We being registered public works Department Contractor. I/We have already produced an income tax verification certificate during the current year in respect of (here Particulars of the previous occasion on which the certificate was produced should be given) in legal address of the contractor for service of all letters of notices will be as follows.

5.(i) (a) I/We enclose herewith a challan for the payment of the sum of Rs..... as Earnest Money not to bear interest.

5. (i) (b) I/We have paid Rs.....(in figure) Rupees(..... only) since I am / we are and eligible to pay the EMD at concessional rates.

5(ii) (c) In lieu of cash deposits, I/We have enclosed a certificate bearing No.....Date.....issued by..... for a value Rupees (.....only) drawn endorsed/pledged in favour of the Electrical Engineer, Division, PWD.

5(iii) (d) I am/We are and hence exempted from payment of E.M.D.

6. If my/our is not accepted this sum shall be returned to me/us on my/our application. When intimation sent to me/us of rejection or at the expiration of three months from the date of this tender whichever is earlier. If tender is accepted, EMD shall be retained by government as security for due

fulfillment of the contract. If upon intimation being given to me/ us by the authority authorized by the Governor under the Article 299(I) of the constitution. (Here in after called “the accepting authority”) of acceptance of tender, I/we fail to make the additional security deposit then I we agree to the forfeiture of the EMD. Any notice required to be serve on me/us by post (registered or ordinary) or left at my/our address given herein. Such notice shall if sent by post be deemed to have been served on me/us at the time when in due course of post it would be delivered at the address to which it is sent.

7. I/we fully understand that on receipt of communication of acceptance of tender from the accepting authority there emergent a valid contract, between me/us and the Governor of Tamil Nadu and Tender Documents (i.e) tender notice tender with general Schedule, condition to the contract, and special condition of the tender negotiation letter communication of acceptance of tender shall constitute the contract fore for this purpose and be the foundation of rights as defined in, clause IV of tender notice, provided that it shall be open to the accepting authority to insists on execution any written agreement by the tenderer, if administratively considered necessary or expedient.

8. I/we have also signs the copy of Tamil Nadu Building Practice and National Building Code and agenda volume there to maintained in the office of the Superintending Engineer, PWD., Building (Construction and Maintenance) Circle, Medical works,Chepauk, Chennai -5 in the acknowledgment of being bound by all conditions of the clauses of the general conditions to the contract and all specifications for items of works described by the specification number in Schedule (A).

9. In consideration of the payment of Rs..... or such sum as may be arrived at under clause of the general condition to the contract relating to the payment on lump sum basis or by final measurements at unit prices. I/we agree subject to the said condition to execute and complete the works shown upon the said drawing severally number from 1 to..... inclusive of (schedule B) and described in the specifications (Schedule C) and to the extent of probable quantities shown in (schedule A) with such variation by way of additions to or alterations, deductions from, the said work and method of payment therefore as are provided for in the said conditions.

10. The term Electrical Engineer in the said condition shall mean PWD officer incharge of Division having jurisdiction for the time being over the work, who shall be competent to exercise al the powers and privileges reserved, herein , favour of Government with the previous sanction of or subject to ratification by the competent authorities in case, where such sanction or rectification may be necessary and who has been duly authorized under Article 299 (I) of the Constitution.

11. I/we agree that the time shall be considered as the “Essence of this contract” and to commence the work as soon as this contract is accepted by the competent authority as defined by the Tamil Nadu PW code and the site or premises is handed over to me/us as provided for in the said condition and agreed to complete the work within month from the date of such handing over of the site or premises and show progress as defined in the tabular statement. “Rate of progress” subject nevertheless to the provision for extension of time contained in clause 56 of the general conditions to the contract appendix to the Tamil Nadu Building Practice.

12. I/we agree that upon the terms and conditions of this contract being fulfilled and performed to the satisfaction of the Electrical Engineers, the security deposited by me/us herein before recited or such portion thereof as I/we may be entitled to under the said conditions be paid back me/us provided in clause 64 of general condition to the contract.

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

Name	Qualification and Experience

I we pursuance of clause of tender notice undertake to employ the following technical staffs for supervising the works and will see that one of them is always at site during working hours personally checking all items of works and paying extra attention to such works as may require special attention (eg) reinforced cement concrete works.

Name of technical staffs Proposed to be employed	Qualification and Experience

Note: a. The last two clauses should be scored out if the cost of the work involved is less than Rs.1 lakh.

b. The tenderers should scored out the last clause of the according they are themselves professionally qualified or undertake to employ technical staff under them.

14.

I/we agree that the arbitrator for fulfilling duties set forth in the arbitration clause of the general condition to contractor shall be.

- i) The Superintending Engineer Buildings Construction and Maintenance Circle Chepauk Chennai-5 in case the value of claim does not exceed Rs. 50,000 (Rupees Fifty thousand only).
- ii). I/we agree that in case of the value claim is over Rs.50,000 and above the remedy will be through the competent civil court only.

Signature of the contractor
With full address with Name

15. **Additional Conditions** : On evaluation of tender, it is found that if the over all quoted amount of the tender is less than 5 to 15% of the value put to tender the contractor shall pay additional security at 2% of the estimated value put to tender. If the tender discount exceeds more than 15% the contractor shall pay the Additional Security Deposit of 50% of the difference between the quoted amount and the estimated value put to tender. Failure to furnish the additional security deposit within 15 days from the date of receipt of acceptance order and execute the agreement shall entail the cancellation of, ward of contract and for forfeiture of EMD furnished.

16. THE TENDERER SHOULD FURNISH THE COPY OF GOODS AND SERVICES TAX (GST) REGISTRATION NO.

QUOTING RATES BY TENDERER EXCLUDING GST

The Tenderer shall quote the rates and prices (both in figures and words) for all the items of the Works described in the Bill of Quantities along with total tender price (both in figures and words).

The Tenderer shall quote the rates and prices (both in figures and words) for all the items of the Works described in the Bill of Quantities **excluding GST** along with sum of the quoted tender value **excluding GST** at the end (both in figures and words).

GST RATES AT 12% FOR WORKS CONTRACT

Government of India has notified vide Notification No. 20 / 2017 – Central Tax (Rate), dated 22nd August, 2017 and Notification No.24 / 2017 – Central Tax (Rate), dated 21st September, 2017, the concessional rate of the Goods and Services Tax (GST) at 12% [CGST at 6% + SGST at 6%] is leviable for any Government Contract, whether Civil or Electrical, irrespective of the Goods and Services Tax (GST) rate applicable on purchase of goods used in the execution of Government Contract.

And the GST amount will be calculated at 12% from the sum of total tendered value quoted by the tenderer for construction cost (excluding GST) specified in the BOQ, Subject to GST rate applicable from time to time as recommended by the GST Council.

- a) As per Notification 202, dated 29.06.2017 and as per sub-section (2) of Section 7 of the Tamil Nadu Goods and Services Act, 2017, (Tamil Nadu Act 19 of 2017), activities or transactions undertaken by State Government shall be treated neither as supply of goods nor a supply of service.
- b) As per Chapter IX (Section 41) of the Tamil Nadu Goods and Services Act, 2017, every registered persons may be entitled to take the credit of eligible input tax, as self-assessed, in his return and such amount shall be credited on a provisional basis to his electronic credit ledger.

- c) As per PWD Revised SoR (2017-18), dated 21.10.2017, under General Note, 8 (ix), the Contractor is eligible to get refund of excess tax paid over or liable to pay tax for this Contract Work.
- d) As per G.O.Ms.No.342 Finance (T&A-III) Dept. Dated.17.10.2018 Tax deducted at source at the rate of one percent for SGST and another one percent for CGST from the payment made or credited to the supplier of taxable goods or services or both, where the total value of such supply, under a contract, exceeds two lakh and fifty thousand rupees

17. In pursuance of negotiation with the Superintending Engineer, PWD., Building (Construction and Maintenance) Circle, Medical works,Chepauk, Chennai -5 on..... I/we agree reduce the rate for the items on the schedule as follows.

S. No	Item No. in the Tender Schedule	Tender Rate	Reduced rate per unit

SIGNATURE OF CONTRACTOR

16. On behalf of Governor of Tamil Nadu and as duly authorized by the Governor under Article 299 (I) of the constitution, the above tender for a value of Rs.....(Rupees.....only) is accepted on this day.....2000.

Signature of the Witness
In full address with name
In block letters.

Signature and Designation

SPECIAL INSTRUCTION TO THE TENDERERS:

1. The tenderer should carefully go through the schedules and quote their rates for all items.
2. The rates should be filled in neatly in figures and words and taking into account the metric unit specified in the tender. Scribbling, over writing and erasing should be avoided as far as possible.
3. The amount of each item of work should be worked out and furnished. Proper care must be taken in working out the amount of each item of work taking into account unit for which, the rate is quoted and the quantity of work to be done under the item.
4. The total of each page should be noted at the end of each page and carried over to every page and the grand total value of work should be worked out and shown at the end.
5. The tender should be submitted along with a covering letter giving full details as stated in the tender notice.
6. Details of the earnest money deposit as per details in page No.1 (Mode of EMD to be remitted) notice.
7. In case of tenderers who are eligible for concessional Earnest Money Deposit and accordingly they should furnish the reference number and date in which the concession was granted them to be along with the tender for ready reference specified and if possible a copy of the aforesaid reference may be enclosed.
8. Income tax saral certificate for the current year should be submitted along with the tender.
9. Details of previous work done by the tenderer covering the cost of work the agreement amount and date, the Dept. in which the work was carried out etc. so as to asses the previous experience of the tender, and also make an easy reference to their record of work. Year wise details should be furnished so as to see that these tenderers have minimum experience of major buildings.
10. List of various machinery and other equipments at the tenderers disposal for use in the execution of work.
11. The tender forms should be filled in while submitting the tender. The tenders submitted without filling up the tender form are liable to be rejected.
12. The tenders must be submitted in a full shape cover there by duly signing all the conditions, plans and schedules issued as tender documents.

SCHEDULE 'A'

SCHEDULE OF RATES AND APPROXIMATE QUANTITIES

- (a) The quantities given here are those upon which the lumpsum tender cost of the work is based but they are subject to alternations omissions, 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 units rates noted below are those governing payment for extras or deductions or omissions according to the condition of the contract, as set forth in the general condition of the Tamilnadu Building Practice and other conditions or specifications of the contract.
- (b) It is to be expressly understood that the measured work is to be taken not (Not withstanding) any custom or practice the contrary according to the actual quantities when in place and finished according to the drawings or as may be ordered from time to time by Exe. Engr. and the cost calculated by measurement or weight at the respective prices, without any additional charge for any necessary or contingent works connected therewith. The rates quoted are for works in site and complete in very respect.

Item	Probable Quantity	Description of work	T.N.B.P. No	NBC No	<u>Rate</u> in Words & figures	<u>Unit</u> in Words & figures	Amount in figures
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- Vide separate sheet enclosed-

Note: The second sub division of this column (i.e. column 3) is for entering description in words such as numbers, cubic metre running metre, square metre kg etc.

Issued to M/s. Thiru,
..... Pages and with plans

LIST OF DRAWINGS

Supplemental List

Note: All drawings to be signed by the contractor
as well as the officer entering in to contract.

As entered to in the specification (including
the preliminary specification of the
TAMILNADU BUILDING PRACTICE)

Sl.No	Drawing No.	Description	S.No.	Drawing No.	Description	Date on which the drawing was supplied
1	2	3	1	2	3.	

Contractor

**Superintending Engineer, PWD.,
Building Construction and Maintenance Circle ,
Medical Works, Chepauk, Chennai-5**

FOR CONTRACTORS SPECIAL ATTENTION

1. Clean river sand shall be used in all cases.
2. Only clean fresh Water shall be used on the work. The Contractor shall make his own arrangements for water and shall be used on the work and shall meet all charges thereof. The special attention of the Contractor is drawn to clause 39 of preliminary specification of the T.N.B.P. regarding water and lighting.
3. The broken stone for concrete and RCC work shall be granite and passed by the Electrical Engineer
4. All Iron work or steel work or every kind such as to be embedded in concrete shall *immediately* on arrival at the site be properly scrapped in wire brushed and given priming coat of approved lead painting without claims for extra.
5. The Iron holdfasts shall be built up on the walls in cement mortar 1:3 at the time of construction of walls. No extra claim shall be due for- the same wherever the holdfasts are to be provided to 9" thick wall. These should be fixed with cement concrete 1:3:6 using 20mm gauge broken granite stone jelly for proper anchorage and proper binding. No separate rates for such pockets of concrete 'filling at hold fast points will be allowed and measured as masonry along with adjacent masonry.
6. The Teakwood shall be best Indian Teakwood only and shall be subject to inspection and approval by the Electrical Engineer before use on the work. Country wood where specified shall be of 'Karimarudhu' or 'Kongu' for scantling and Aiyini" for planks.
7. Holes for Electric, wiring, water supply and drainage's etc. shall be provided as directed during progress of work without any 'claim for extra.
8. The work will be carried out with the least hindrance to the adjoining building and the contractor will be Responsible for the any damages caused to the existing fixtures, electric fittings etc. the course of execution and the contractor shall make good any damages without any claim for extra.
9. If rates are not separately called for, for similar items of works in difference floors the contractor should note that one rate is applicable for all floors indicated in the detailed plans. Any claims for extra for such items floor war will not be, entertained under any circumstances.
- 10(i). The Work in Public Works Department (Buildings) executed by the contractor under the contract shall be maintained by the contractor until the work is taken over by the Electrical Engineer. The contractor shall accordingly arrange his own insurance against fire, flood, volcanic eruption, earth quake other convention of nature and all other natural calamities risks arising' out of acts of God during such period and *that the* Government shall not be liable ,for any loss or damages occasioned by or arising out of any such acts of God.
- (ii) Provided, however that the contractor shall not be liable for all or any loss or damages occasioned by or arising out of act of foreign enemies, invasion hostilities or war like operation (before or after declaration of war) rebellion, military or Usurped power.

RETENTION OR WITHHELD AMOUNT

- (iii) 2 1/2% of the total value of the work will be retained in the final bill of the work for the period one year reckoned from the date of completion of the work in the order to enable the department to watch the effect of all seasons of the work. The contractor should furnish an indemnity bond for further period of four years. If any defects are notified in the above said period the defects should be rectified by the contractor at his own costs as directed by the Departmental Officers and no extra payment be made for the rectification of such work.

REVENUE RECOVERY ACT

(iv) Whenever any amount has to be paid by the contractor' in lieu of determination of the contract by virtue of clause 57 (4) any amount that may be due or may become from the contractor under the presence and the contractor is not responding to he demands for the payment of said amount, then the Government shall be entitled to recover the said amount under the provision of the Revenue Recovery Act. n the event of the work being transferred to any other circle / Division / Sub Division / Superintending Engineer / Electrical Engineer / Assistant Electrical Engineer who is in charge of Circle / Division / Sub Division having Jurisdiction over the work shall be component to exercise all the powers and privileges reserved in favour of Government

RISK INSURANCE

10(V) The work executed by the contractor or under this contract shall be maintained by the contractor's risk until the work is taken over by the Electrical Engineer. The Government should not be liable to pay for any loss or damages occasioned by (or) arising out of fire, flood, volcanic eruptions, earth quake, other invasions of nature and all other' natural calamities" risk arising out of. act of God during such period and that the option whether take insurance coverage (or) to care shall risks is left to the contractor.

The contractor shall not be liable for all or any loss of damages occasioned by or arising out of acts' of foreign enemies' invasions, hostilities or war like operations (before or after declaration of war) rebellion military or usurped power.

ARBITRATION CLAUSE

10. (vi) In case any dispute or difference between the parties to the contract either during the progress or after the completion of the works or after determination, abandonment or breach of the contract or as to any other matter or thing arising there under except as to the matters left to the sole discretion of the Electrical Engineers under clause 18,20,25-3,27-1 134,35 and.37 of the general condition of the contractor as to the with holding by the Electrical Engineers or the payment of any bill to which the contractor may claim to be entitled. Then either party shall forth with give.. to the other I notice of such dispute or .difference.. and such dispute or difference shall be and is hereby referred. to the arbitration of the Superintending Engineer, Building Construction & Maintenance Circle,Chennai.5. (Mentioned in the "Articles of agreement" (here in after called the Arbitrator) in case where the value of claim is less than and upto Rs. 50,000/ (Rupees Fifty Thousand only)

In case where the value of the claim is more than Rs. 50,000/- the parties will seek remedy through the competent civil Court.(G.O.Ms.No.. 253 P.W.D. at 24.2.1981)

10(vii) If at any subsequent to the execution of this arrangement, Government materials other than those specified in the agreement are supplied to the contractor for list of the work, they will be charged at the market value prevailing at the time of supply of stock, issue rates, whichever is higher. The contractor will be informed in writing of this charge and he should intimate in writing the rate which he demands for finish the work in view of the fact that he is to issue Government materials. No centage of incidental charges will be borne by the Government in connection with the supply of the materials referred to in this paragraph.

SCHEDULE –C

List of specification for the various item of work supplementing those prescribed in schedule “A” by Standard Specification Number

1. The contractor shall employ the following technical staff for supervising the work and shall see ‘that one of them is always at site, during working hours personally’ checking all items of work and paying extra attention to such works as may demand special attention (*eg.*) reinforced concrete work etc.

Name or member of the technical staff to be employed	Qualification	Experience
1 No	BE Electrical	3 Years
2 Nos	DEEE Electrical	3 Years

Note : 1 In the case the contractor is himself professionally qualified. The above specification should be evitably altered and in cases in which the contractor selected has not given any undertaking to employ qualified man it should be scored out.

Note : 2 Additional specification if any which have to be entered in Schedule ‘C’

Note : 3 A penalty of Rs. 2000 (Rupees Two thousand only) per month for diploma holder and rs. 5000 (Rupees Five Thousand only) per month for degree holder will be levied in case of default on the part of contractor as per the norms specified regarding appointment of Technical Assistant with tender notice.

ADDITIONAL CONDITION – 1

1. The materials noted in the list enclosed will be supplied departmentally at the section stores at site of work and their cost recovered from the contractor’s bill at issue rates noted against each.
2. The contractor shall be responsible for the safe custody and storage of the materials under dry conditions at the places of the work spot approved by the Electrical Engineer.
3. The contractor shall pay royalty or charged due for use of private quarries and private land.
- 4.(a) Any surplus material remaining at the site, will not generally be taken over by the Department whether before or after the completion or termination of contract. such materials either which were originally procured by the contractors were issued to them by the department and charged to their accounts are the property to the contractors and can however be taken by the Department if required, for use on other works, which are in progress only, be special arrangement and at the prevailing market rates viz. The rates which the article or articles of a similar description can be procured at a given time at the store, godown, from Public market suitable to the Division for obtaining such there of.
- b) If the materials were originally used by the Department the price allowed to the contractor on re-acquisition shall not exceed the amount charged to the contractor excluding the element of storage charged if any.
- c) If at any time subsequent to the execution of this arrangement. Government materials other than those specified in the agreement are supplied to the contractor for use on the work they will be charged at the market value prevailing of at the time of supply or stock issue rates whichever is higher. The contractor will be informed in writing of this charge and he should intimate in writing the rate he demands for finish the work in view of the fact that he is not to use Government materials. No centage or incidental charges will be borne by the Government in connection with the supply of materials referred to in this Paragraph 5.
- (d) The surplus materials which were originally issued to the contractor back to the department for use of the work shall not be removed from the site of work without getting the written permission of the Electrical Engineer.
5. The contractor’s special attention is invited to clause 37 and 38 of the preliminary specification of T.N.B.P.S and he is requested to provide at his own expenses shed, latrine and Urinal for his workmen.
6. If night work is required to fulfill the agreed rate of progress all arrangements shall be made by the contractor including of lighting without any claim for extra.

7. The contractor shall not employ the labours below the age of 12 years and shall also note that he must offer employment to exservice men, ex-today tappers and unemployment agricultural labours as far as possible.

8. Any of the items in the schedule may be omitted or radically altered no variation in rates shall become payable to contractors on account of such omissions or variation in quantity.

9. Reference to TNBPS in the schedule of quantities referred and addenda and corrigenda issued thereafter.

10. The construction of building will be deemed to be completed only, if all the items of work including finishing items contemplated herein after executed.

11. The contractors shall abide the contractor's labour regulation of the PWD framed by the Tamilnadu Government.

ADDITIONAL CONDITION OF CONTRACT - II

The contractor shall at his own expense provide arrangements for this provision of food wear for any labour during cement mixing work all other similar type of work involving the use of tar mortar etc. to satisfaction of the Engineer - in -charge and on his failure to do so, the Government shall be entitled to provide same and recover the cost from the contractor.

When there are complaints of non-payment of wages to the. labourers bills of the contractor may be with held pending a clearance of certificate from the labour department.

ADDITIONAL CONDITION OF CONTRACT - III

Rules for the provision of health and sanitary arrangements for workers employed by the. PWD and his contractors.

The Contractor's special attention is invited to clause 37,38.39 and 51. of the Tamilnadu Building Practice and he is requested to provide at his own expense the following amenities to the satisfaction of the Electrical Engineer.

FIRST AID

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

DRINKING WATER

2.a) Water of good quality fit for drinking purposes shall be provided for the work people on a scale of not less than three gallon per head per day.

b) Where drinking water is obtained from an intermittent Public Water Supply each work place shall be provided with the storage tanks *where* such drinking shall be stored.

c) Every water supply and storage shall be at a distance, not less than 50 feet from any latrine drain or other existing well which is within such proximity of latrine, drain or any other source of pollution, the well shall be properly closed. If water is drawn from it for drinking. All such wells shall be entirely closed and be provided with a trap door, which shall be dust and water proof.

d) A reliable pump shall be fitted to each covered well. The trap door shall be kept locked and opened only for cleaning or inspection which shall be done atleast once in a month.

WASHING AND BATHING PLACES

3. Adequate washing and bathing places shall be provided separately for men and women. Such places shall be kept in clear and drained condition. Bathing or washing should not be allowed in or near the drinking water well.

LATRINES AND URINALS

4. These should be provided within the premises of every work place' latrines and urinals in an accordance place and the accommodation separately for each of them shall then on the following scale or on the scale so directed by the. Electrical Engineer in any particular area.

1. Where the number of persons employed does not exceed 50-2 seats.
2. Where the number of persons employed exceed 50 but does not exceed 100, 3 seats
3. For every additional 100 persons 3 seats.

If women are employed, separate latrines and urinals screened from those for men shall be provided on the same scale. Except in work places provided with water flushed latrine connected. with a water borne sewage system, all latrines shall be provided with acceptable dry earth system which will be cleared atleast four times daily and atleast twice during' working hours and kept in a strictly sanitary condition. The latrines and urinals shall be tarred inside and outside atleast once a year.

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

SHELTER DURING REST

At the work site, two suitable sheds one for meals and another for rest separately for men and women for the use of labourers.

CRECHES:

2. At every work place at which 25 or more women are working there. shall be provided two huts of suitable size for the use of children under the age of 6 years belonging to such women. one hut shall be used for infants, games and play and the. other as their bedroom. The huts shall not be constructed and a lower standard than the following :

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

The size of the crèche or crèches should vary according to the number of women workers. The reaches should be properly maintained and necessary equipment like toys etc. should be provided and huts shall be 'provided with suitable and sufficient sweepers to keep the place clean. There shall be two ayahs in attendance. Sanitary utensils shall be provided to the satisfaction of the health officer of the area concerned. The number of huts shall be restricted to children and their attendants of the children.

CANTEEN

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

SHEDS FOR WORKMEN

8. The contractor should provide at his own expenses shed for housing the workmen. The sheds shall be on a standard not less than the cheap shelter type, to live in which the work pertaining to locality area accustomed to. A floor area of about 1.8 Metre X 1.5 Metres for 2 persons shall be provided. The sheds to be in rows with 1.5 Metres clear space between sheds and 9 Metres clear space between rows if conditions permit. The work people's camp shall be laid out in units of 400 persons' each . Each unit to have clear space of 12 meter around.

ADDITIONAL CONDITION - IV

Safety provision in the building industry conditions in addition to clause 36 preliminary specification of T.N.B.P.S

PART - I

ARTICLES - 1

1. Suitable scaffolds shall be provided for workmen for all work that cannot be safely done from ladder or by any other means.
2. A scaffold shall not be constructed, taken down or subsequently altered except.
 - a) Under the Supervision of a competent and responsible person and
 - b) by competent workers possessing adequate experience in this kind of work. .
3. Scaffolds shall be so constructed that no part thereof can be displaced in consequent of normal use.
4. Scaffolds shall not be overloaded so far as practicable and shall be evenly distributed.
5. Before installing lifting *gear* on scaffolds special precaution shall be taken to ensure the strength and stability of the scaffolds.
6. A competent person shall periodically inspect scaffolds.
7. Before allowing a scaffold to be used by his workmen every employer shall satisfy as to whether the scaffold has been executed by his workmen or not he should take step to ensure that it functions fully with the requirements of this article.

ARTICLES - 2

- 1 Working platform gangways and Staircase shall be so constructed that no part thereof can sag unduly or unequally. .
 - a) Be so constructed and maintained to obviate from risks or persons tripping or slipping and
 - b) be kept free from any unnecessary obstruction
 - c) Every working platform gangway working place and staircase shall be suitably forced.

ARTICLE -3

1. Every opening in the building or in a working platform shall except for the time and to the extent required to allow the excess of persons or the transport or shifting of materials be provided with suitable means to prevent the fall of persons or materials
2. When persons are employed on a roof where there is danger of falling from the height exceeding that to be prescribed by national laws or regulations, suitable precautions shall be taken to prevent the fall of persons or materials, .
3. Suitable precautions shall be taken to prevent person IS being struck by articles which might fall from scaffolds or other working places.

ARTICLES -4

1. Safe means of access shall be provided, to all working platforms and other working places, .
2. Every ladder shall be securely fixed and of such length as to provide secure hand hold and foot hold at every position at which it is used.
3. Every place where work is carried on and the means of approach there to shall be adequately lighted.
4. Adequate precautions shall be taken to prevent danger from electrical equipment.
5. No material on the site shall be so attached or placed as to cause danger to any person. .PART -II

GENERAL RULES AS TO HOISTING APPLIANCES

ARTICLE.,. 5

1. Hoisting machines and tackle including their attachments anchorages and supports shall .
 - a) be of good mechanical conditions sound material and adequate strength and free from patent defects and
 - b) be kept in good repair and in good working order.
2. Every rope used in hoisting or lowering materials or as a means of suspension shall be of suitable quality and adequate strength and free from patent defects.

ARTICLE – 6

1. Hoisting machines and tackle shall be examined and adequately tested after erection on the site and before use and be reexamined in position at intervals to be prescribed by national law or regulation.
2. Every chain ring, hook shackle, swivel and pulley block used in hoisting or lowering materials or as a means of suspension shall be periodically examined.

ARTICLE – 7

1. Every crane driver or hoisting appliance operator shall be properly qualified.
2. No persons under an age to be prescribed by national law regulations shall be in control of any hoisting machinery including any scaffold which or gives signals to the operator.

ARTICLE – 8

1. In the case of every hoisting machine and every chain ring hook, shackle swivel and pulley block used in hoisting or lowering or as a means of suspension, the safe working load shall be ascertained by adequate means.
2. Every hoisting machine and all gear referred to in the proceeding shall be plainly marked with the safe working load.
3. In the case of hoisting machine having a variable safe working load, each safe working load and the conditions under which it is applicable shall be clearly indicated.
4. No part of any hoisting machine or of any gear referred to in the paragraph (i) of this article shall be loaded beyond the safe working load except for the purpose of testing.

ARTICLE – 9

1. Motor gearing, transmission, electric wiring and other dangerous parts of hoisting appliances shall be provided with sufficient safeguards.

Hoisting appliances shall be provided with such means as well reduce the risk of the accident descent of the load adequate precautions shall be taken to reduce the risk of any part of suspended load becoming accidentally displaced.

PART – III
GENERAL RULES TO SAFETY EQUIPMENT AND FIRST AID

ARTICLE – 10

1. All necessary personal safety equipment shall be kept available for the use of the persons employed on the site and be maintained in a condition suitable for immediate use.
2. The workers shall be required to use the equipment thus provided and the employer shall take adequate steps to ensure proper use of the equipment by those concerned.

ARTICLE – 11

When work is carried out in proximity to any place where there is risk of drawing all necessary equipment shall be provided and kept ready for use and all necessary step shall be taken for the prompt rescue of any person in danger.

ARTICLE – 12

Adequate provision shall be made for prompt first aid treatment of all injuries likely to be sustained during the course of the work.

ARTICLE – 13

Where large work places are situated in cities, towns or in their suburban and no beds are considered necessary owing to the proximity of city or town hospital, suitable transport shall be provided to facilitate removal of urgent cases to the hospitals, at their work places some conveyance facilities such as car shall be kept ready available to the injured person or persons suddenly taken seriously ill to the nearest hospital.

SPECIAL CONDITION

1. All items of work shall be done in accordance with the relevant clauses and agenda volume to the TNBP or amendments from time to time.
2. The contractor shall be responsible for the safe custody of all department materials once they are handed over to the contractor at the departmental. The cost of any materials in the custody of the contractor stolen, lost, or damaged or if tendered unfit for the work will be recovered from the contractor at the issue rate.
3. In the case of any breach of the terms of the contract the contract will be closed at the risk and the costs of the contractor. In addition to the forfeiture of the EMD and security deposit.
4. The work shall be executed and measured as per metric dimension given in the schedule of quantities drawings etc., (F.P. units where indicated are for guidance only)
5. Unless otherwise specified all the rates quoted by the contractor shall be for works at all levels of the buildings.
6. Except for every item of work to be done under this and leads, heights, depths, lengths and widths. Except when specifically mentioned in the item, otherwise nothing extra will be paid on this account. The rate for all item in which use of cement is involved is inclusive of charges for curing.

ADDITIONAL CONDITION FOR CONTRACTOR'S SPECIAL CONDITION

1. If at any time the Electrical Engineer shall be of the opinion that the contractor is delaying commencement of the work or violating any of the progress of the work as defined by the tabular statement rate of progress in the article of agreement the Electrical Engineer shall so advise the contractor in writing and at the same time demand complied. If the contractor neglects to comply with such demand within seven days after the receipt of such notice it shall these or at any time thereafter be lawful for the Electrical Engineer to determine the contract which determination shall carry with the forfeiture of the security deposit and the total of the amount withheld from the final bill together with value of such works as may have been executed and not paid for such proportion of such total sums as shall be assessed by the Electrical Engineer.

ADDITIONAL CONDITIONS :

1. **Water and Lighting :** The contractor shall pay all fees, and provide water and lights as required from Municipal main or other sources and shall pay all charges therefore (including storage tanks, meter etc.,) for the use of the works and workman unless otherwise arranged and decided as in writing with Electrical Engineer.

The tenderer shall ensure that no damage is caused to the existing structure / building whether it is Government owned or private owned etc., in the adjustment areas close preliminary to the proposed site and if any damage is caused due to pipe driving etc., to the adjacent buildings it shall be rectified / compensated by the tenderer at his own cost of the satisfaction of departmental officers / owners of any private building affected (i.e.,) the contractor should indemnify the department against damaged if any to adjacent building due to the driving.

The contractor has to make his own arrangements for procuring water for construction purpose construction and curing should be done with water free from injurious amounts of deletion materials portable water are generally considered satisfactory for curing and fixing concrete and masonry. However the water to be used should be periodically tested at contractors cost for its suitability for using the construction works and got approved from Department Engineers.

Electricity : The contractor should make his own arrangements for obtaining electricity for all types of his use like lighting, welding, pumping and mosaic and marble polishing etc.,.

Any damage to work resulting from rains or frame any other cause until these work is taken over by the department after completion will be made good by the contractor at his own cost.

CHILD LABOUR ERADICATION ACT
(G.O.Ms.No.53 Labour and Employment (U2) Dept., Dated : 12.6.2003)

The work contract assigned to the contractors shall be cancelled if they engage child labour in executing works and such contractors should be black listed for three years.

ADDITIONAL SPECIAL CONDITION

For existing para 47-1 and 47-2 of General conditions of contract of Tamil Nadu Buildings practice the following shall be substituted.

Cause 47(i) The work executed by the contractor (or) under those contract shall be maintained at the contractor's risk until the work is taken over by the Electrical Engineer, the government shall not be liable to pay for any loss or damages occasioned by (or) arising out of fire, flood, volcanic, eruption, earthquake other convulsion of nature and all other natural calamities, risks arising out of acts of God during such period and that the option whether to take insurance coverage (or) not to cover such risks is left to the contractor.

The contractor shall not be liable for all or any loss of damages occasioned by or arising out of acts foreign enemy, invasions or war like operation (before or after declaration of war) rebellion military or unsecured power.

The tenderer's attention is directed to the requirements for materials under the clause "materials and workmanship" In the general connection of the contract, Materials conforming to the Indian standard specification shall be used on the work and tenderer shall quote his rates accordingly.

9. Every tenderer is expected before quoting his rates to inspect the sites of the proposed work. He should 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 descriptive specification sheet. The best class of materials to be obtained from the quarries or other sources defined shall be used on the work. In every case, the materials must comply with the relevant standard specification samples of materials as called for in the standard specification or in this tender notice for as required by the Electrical Engineer in any case shall be submitted for the Electrical Engineer's approval before the supply to the site of work is begun. If the contractor after examination of the source of materials defined in the descriptive specification sheet is of the opinion that materials complying with the standard specification or other specification of the contract cannot be obtained in the descriptive specification sheet he shall be said clearly in his tender and state where from he is to obtain materials subject to the approval of the Electrical Engineer.

ELECTRICAL CONDITIONS

ELECTRICAL CONDITIONS TO ACCOMPANY THE TENDER

The work should be carried out strictly in accordance with the specifications of Public Works Department, BIS and IER and as per the general conditions of contract.

1. The work should be carried out in co-operation with the occupants of the buildings. Buildings which are occupied may not be made available for carrying out the work uninterrupted throughout the day.
2. Corrections, if any, in the tender should be attested with dated initial of the tenderer. The rates should be filled in words and figures. If there is any variation between rate in words and figures, the least will only be taken.
3. The tender conditions should also be returned along with the tender duly signed by the tenderer in all the pages.
4. The Superintending Engineer reserves himself the right to reject any or all the tenders received or to drop any of the proposals without assigning any reasons.
5. The tender should be valid for a period of **Ninety days** from the date of tender.
6. The date of intimation by the Assistant Executive Engineer (Electrical) concerned shall be deemed to be the date of commencement of the work.
7. Failure to remit the required security deposit and enter into agreement within the prescribed period of intimation of acceptance of tender, shall entail forfeiture of the Earnest Money Deposit.
8. All the materials to be used in the work should be of best quality with I.S.I. mark for which BIS have prescribed the specification/code. Approval for use for each type of materials on any work should be obtained from the Electrical Engineer before use on work.
9. The contractor shall make his own arrangements to transport the materials to the work spot at his risk and cost. The contractor shall be responsible for the safe custody and storage of the materials under dry conditions near the work spot as approved by the Superintending Engineer.
10. The contractor shall be liable to set right all defects arising out of the faulty execution (or) sub-standard work noticed during the Twelve months period from the date of bringing the installation into beneficial use at his cost.
11. For slow progress of works, bad workmanship/leaving the work in incomplete shape, the department will take action to impose fine as per the Departmental rules.
12. When there are complaints of non-payment of wages to the laborers, the bills of the contractor will be withheld pending clearance certificate from the Labour Department.
13. The work may be awarded in whole or in part and the quantity may, at the discretion of the Electrical Engineer be increased or decreased or omitted during the execution of the work.
14. In case, if it is found necessary, the contractor should be at the premises at the time of connection of the installations to the supply mains and afford all facilities for testing and commissioning.
15. Meggar test should be conducted by the tenderer, after completion of the work at his cost without any extra claim.
16. Any of the item in the schedule, may be omitted or radically altered. No variation in rate shall become payable to the contractor on account of such omission (or) variations in the quantities, but payment will be made on detailed measurement basis.
17. If required, before the payment of final bill, the contractor shall also reproduce a certificate from the Income Tax authority that all the Income Tax payable upto date had been paid.
18. The contractor shall also note that he/they must offer employment to Ex- serviceman and unemployed agricultural labourers as far as possible.
19. The contractor shall not employ labourers who are below the age of 12 years, and women during 7.00 p.m to 8.00 a.m and during 6 weeks before the expected date of delivery and six weeks after the date of delivery or miscarriage. The contractor shall abide by all Government orders issued from time to time in respect of labour regulations.

20. The contractor shall abide the Contractors' Labour Regulations issued by the Tamilnadu Government from time to time.
21. If night work is required to fulfill the agreed rate of progress, all arrangements shall be made by the contractor including lighting without any claim for extra cost.
22. The contractor engaging the labourers for the work is solely responsible for any accident or death occurring to the labourers while carrying out the work and responsible for such occurrence and also for payment of compensation to such labourers. Further, the Department shall not be held responsible for such occurrence and also for payment of compensation.
23. Risk Insurance: The work under this contract shall be maintained at the contractor's risk until the work is taken over by the Department. The contractor shall accordingly arrange his/ their own insurance against all natural calamities, rain and other acts of God. During such period, the Government shall not be liable for any loss or damage (vide clause 47 of General Conditions as amended)
24. Safety Code: The safety measures and all amenities for the labourers shall be made by the contractor at his/ their cost as indicated in the Safety code vide appendix to General Conditions of contract and clause 34, 35 and 42-6 of General Conditions of contract.
25. Recovery of dues under Revenue Recovery Act: Any amount falling due from the contractor on account of this contract even after recovering from the bills for this work and any other contract awarded to the contractor, then the amount is liable to be recovered under the provisions of Revenue Recovery Act.
26. In the event of the work being transferred to any other Circle/ Division/Sub Division, the Electrical Engineer, Electrical Engineer/ Assistant Engineer who is in charge of Circle/ Division /Sub Division, having jurisdiction over the work shall be competent to exercise all the powers and privileges reserved in favour of the Government.
27. As per G.O.Ms.No.342 Finance (T&A-III) Dept. Dated.17.10.2018 Tax deducted at source at the rate of one percent for SGST and another one percent for CGST from the payment made or credited to the supplier of taxable goods or services or both, where the total value of such supply, under a contract, exceeds two lakh and fifty thousand rupees.
28. The general arrangement drawing of the transformer / sub-station/ schematic line diagram, etc, wherever required, be prepared in pentaplicate showing the details of all the equipment/ circuits and CEIG's approval obtained. Assistance, if required, will be rendered to the contractor by the Department. The Department will bear the inspection fee payable to the CEIG.

**OFFICE OF THE SUPERINTENDING ENGINEER, BUILDING
CONSTRUCTION AND MAINTENANCE CIRCLE, MEDICAL WORKS,
CHENNAI-5.**

LIST OF APPROVED MATERIALS

The following materials are approved for use in electrical works in Electrical Division, PWD Chennai.

1. 5A and 15A flush type switches, ceiling Rose, Batten Holder, 5A and 15A, switch and socket **combined 5 Amps & 15 Amps plug sockets etc.**

KUNDAN/ANCHOR/DASPAN

2. Modular type switch/switch Box/flush mounted socket/Fan Regulator

MK India/ANCHOR ROMA/CRAB TREE

3. Fuse Units

GEM/KUNDAN/ANCHOR/STANDARD/Controls and switchgear

4. Industrial type plug & Sockets

HAVELLS/HAVER/FLIGHER/BHARTIA CUTLER

HAMMER/LEGRAND

5. Protection Relays and Auxiliary Relays

SIEMENS/L&T/ALSTHOM/Controls & Switchgear

6. Instruments

AE/IMP/ENERCON/SECURE

7. CTs/PTs

KAPPA/PRAGATHI/INSTRANS/AE

8. Control switch/Indication Lamps/Push Button

SIEMENS/TEKNICK/KAYCEE/L&T

9. Iron and Metal Clad switches and Double break metal switches with HRC fuses or rewirable fuses.

GEM/KUNDAN/HPL/HAVELLS/STANDARD

10. Special type main switches Cubical type

L&T/ENGLISH ELECTRIC/SIEMENS

11. Water tight bulk head fitting

PHILIPS/BAJAJ/CROMPTON GREAVES/K-LITE

12. LTUG Cables & H.T.U.G. Cables

**TROPODUR/CCI/UNISTAR/PARAGON/RALLISON/UNIFLEX/HAVELL
S/POLYCAB/RPG/FINOLEX**

13. Cable Termination kits

CCI/RAYCHEM/BIRLA-3M/M-SEAL

14. Cable glands
COMET/PRABHAT/STANDARD
15. Cable trays & accessories
PROFAB/TECHNOFAB
16. Rising Mains
C&S/MERLIN GERIN/GE/KLOCKNER MOELL
17. Wiring Cables PVC sheathed and unsheathed copper cables.
KUNDAN/RRCABLES/ORBIT/FINOLEX/ATLAS/Q-FLEX/POLYCAB/INDO ASIAN/HAVELLS/L&T/RPG/ANCHOR/ATCCABLES/TEKMAK/V-GUARD/ DASPAN
18. Distribution Board
KUNDAN/GEM/STANDARD/HPL/HAVELLS
19. Fluorescent fittings
FIXOLITE/GLOLITE/ATLAS/DELTA/CROMPTON GREAVES/BAJAJ/PHILIPS/WIPRO/HAVELLS
20. PL & CFL fittings/Lamps
PHILIPS/OSRAM/ANCHOR/CROMPTON/DASPAN
21. Street light fluorescent fitting
FIXOLITE/GLOLITE/ATLAS/DELTA/CROMPTON GREAVES/BAJAJ/PHILIPS/WIPRO
22. Decorative type fluorescent fitting
FIXOLITE/GLOLITE/ATLAS/DELTA/CROMPTON GREAVES/BAJAJ/PHILIPS/WIPRO
23. Special type decorative box type & Street light fittings
PHILIPS/CROMPTON GREAVES/WIPRO
24. MCB, ELCB, RCCB
GEM/KUNDAN/STANDARD/HPL/HAVELLS/LEGRAND (MDS) HAGER (L&T)/ MERLIN GERIN/AXIOM
25. Moulded Case Circuit Breakere
MERLIN GERIN/SIEMENS/SSG/GE/ABB
26. Ceiling fans, exhaust fans, table fans, wall mounting fans and pedestal fan
CROMPTONGREAVES/USHA/ORIENT/BAJAJ/KHAITHAN/HAVELLS/ ALMONARD/ ROOPA/APEX LEHAR/ORTEM
27. Stepped Electronic square type fan Regulator and Dimmer type Electronic square type Fan Regulator.
ANHOR DELUXE/CROMPTOIN GREAVES

28. Storage type Water Heaters

VENUS/RECOLD/ELAC

29. Indoor VCB

EXCEL/STALMAC

1. The material used should be got approved by the Assistant Electrical Engineer of the Department during execution.
2. The makes specified if any in the agreement should be adopted during execution wherever applicable.

Schedule - A

NAME OF WORK: Provision of cable tray, LED strip lights, sump room power mains, Port switches for CCTV and Auditorium AC starter panel for the newly constructed Kallakurichi Medical College buildings in Kallakurichi District.

Tender Date :08.07.2022

EMD Rs.25,900/-

Sl. No.	Approximate Quantity in Figures and in words	Description of Items	Rate in Figures and in words	Unit in Figures and in words	Amount in Rupees
1	1.00 No (One Number Only)	Supply and fixing of Vertical type 6 way Triple pole and neutral MCB Double door Distribution board in sheet steel enclosure with metal door with IP42 protection with 1 No. of 100 A FP Isolator as incoming and 6 Nos 63A TP MCB with suitable angle iron framework with Cable entry box on top or bottom with earth connection only. The MCB DB and MCB's should be with Legrand / Hager make only.		1 No (One Number Only)	
2	20.00 Nos (Twenty Numbers Only)	Supply and fixing of Retrofit 2 feet 9W LED tube on wall with PVC unsheathed FRLS-ZH copper leads from terminals to the fitting. (Make: Luker/Philips/Equivalent).		1 No (One Number Only)	
3	50.00 Mtr (Fifty Metre Only)	Supply and run of 25mm x 6mm tinned copper flat with necessary clamps / supports on wall / floor / ground for earth connection.		1 Mtr (One Metre Only)	

Contractor

No. of Corrections in rates in figures
No. of Corrections in rates in Words

Superintending Engineer, PWD.,
Buildings (CM) Circle, Medical Works, Chennai-5

Sl. No.	Approximate Quantity in Figures and in words	Description of Items	Rate in Figures and in words	Unit in Figures and in words	Amount in Rupees
4	170.00 Mtr (One Hundred and Seventy Metre Only)	Supply and run of GI Hot Dip / Powder Coated 16 SWG Cable Tray with 150mm width and 50mm height with necessary clamps / supports on wall / floor / ground for earth connection.		1 Mtr (One Metre Only)	
5	140.00 Mtr (One Hundred and Forty Metre Only)	Supply and run of GI Hot Dip / Powder Coated 16 SWG Cable Tray with 300mm width and 50mm height with necessary clamps / supports on wall / floor / ground for earth connection.		1 Mtr (One Metre Only)	
6	40.00 Nos (Forty Numbers Only)	Supply and fixing of 5 metre flexible Led strips with optimum brightness & uniformity of light for perfect cove lighting. (Make: Havells/Equivalent).		1 No (One Number Only)	
7	13151.00 Mtr (Thirteen Thousand One Hundred and Fifty One Metre Only)	Supply and run of Cat-6 cable in existing PVC rigid pipe on wall and ceiling.		1 Mtr (One Metre Only)	

Contractor

No. of Corrections in rates in figures
No. of Corrections in rates in Words

Superintending Engineer, PWD.,
Buildings (CM) Circle, Medical Works, Chennai-5

Sl. No.	Approximate Quantity in Figures and in words	Description of Items	Rate in Figures and in words	Unit in Figures and in words	Amount in Rupees
8	18.00 Nos (Eighteen Numbers Only)	Supply of D-Link Make 8 Port Fully Managed 10 / 100 / 1000 Layer-2 with 1G Uplink LAN Network Switch.		1 No (One Number Only)	
9	10.00 Nos (Ten Numbers Only)	Supply of D-Link Make 24 Port Fully Managed 10 / 100 / 1000 Layer-2 with 1G Uplink LAN Network Switch.		1 No (One Number Only)	
10	5.00 Nos (Five Numbers Only)	Supply and installation of 12U Metal Rack with front class door, Lock and Key, also with power manager.		1 No (One Number Only)	
11	3.00 Nos (Three Numbers Only)	Supply and termination of Single Mode Media converter for Optical Fiber Cable.		1 No (One Number Only)	
12	595.00 Mtr (Five Hundred and Ninety Five Metre Only)	Supply and run of 2 x 1.5 sq.mm (22/0.3) PVC insulated SC unsheathed Cu. Conductor of 1100V grade in existing concealed PVC rigid pipe in wall and ceiling.		1 Mtr (One Metre Only)	

Contractor

No. of Corrections in rates in figures
No. of Corrections in rates in Words

Superintending Engineer, PWD.,
Buildings (CM) Circle, Medical Works, Chennai-5

Sl. No.	Approximate Quantity in Figures and in words	Description of Items	Rate in Figures and in words	Unit in Figures and in words	Amount in Rupees
13	4.00 Nos (Four Numbers Only)	Supply and installation of 9U Metal Rack with front class door, Lock and Key, also with power manager.		1 No (One Number Only)	
14	250.00 Mtr (Two Hundred Fifty Metre Only)	Supply and laying of 3½ x 70 sq.mm PVC LTUG aluminium armoured cable in a trench to be excavated at a depth of 0.75 metre putting 0.15 metre layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good.		1 Mtr (One Metre Only)	
15	5.00 Nos (Five Numbers Only)	Supply and fixing of 48W LED street light fitting (Higher End Philips / Havells / Equivalent) with Pressure die cast aluminium housing with IP65 protection with 25 mm dia GI pipe (Class 'B') with 1 No 25 mm GI Bend complete on the existing post / wall with PVC unsheathed Copper leads MS clarnps and aluminium painting.		1 No (One Number Only)	
16	1031.00 Mtr (One Thousand and Thirty One Metre Only)	Supply and run of armoured Cat-6 cable in existing PVC rigid pipe on wall and ceiling.		1 Mtr (One Metre Only)	

Contractor

No. of Corrections in rates in figures
No. of Corrections in rates in Words

Superintending Engineer, PWD.,
Buildings (CM) Circle, Medical Works, Chennai-5

Sl. No.	Approximate Quantity in Figures and in words	Description of Items	Rate in Figures and in words	Unit in Figures and in words	Amount in Rupees
17	1.00 No (One Number Only)	Supply and fixing of Auditorium AC starter Panel with following items, Incoming MCCB 100A 4 pole VAF meter CT coil 3 nos 5HP DOL starter 7 nos Temperature controller 7 set outgoing connector with powder coated panel box		1 No (One Number Only)	
18	12.00 Mtr (Twelve Metre Only)	Supply and installation of exhaust piping of sufficient length with suitable MS pipe so as to extend outside the genearator room.		1 Mtr (One Metre Only)	
Total value of work excluding GST					
Add GST at the Rate of 12 %					
Gross Total					
(Rupees)					
(Total number of items in schedule A - 18 - (Eighteen items Only)					

Contractor

No. of Corrections in rates in figures
No. of Corrections in rates in Words

Superintending Engineer, PWD.,
Buildings (CM) Circle, Medical Works, Chennai-5