CLIENT DOCUMENT

1) SPECIAL CONDITIONS OF CLIENT

2) ADDITIONAL CONDITIONS FOR ELECTRICAL WORKS
SPECIAL CONDITIONS OF CLIENT

1. The contractor shall execute the whole work in the most substantial and workman like manner in strict accordance with the specifications, approved design, drawings, particular specifications, special conditions, additional conditions and instructions of the Engineer-in-Charge.

2. Before tendering, the contractor shall inspect the site of work and shall fully acquaint himself about the conditions prevailing at site, availability of materials, availability of land and suitable location for construction of godowns, stores and camp, transport facilities, the extent of leads and lifts involved in execution of work.

3. The contractor shall at his own cost submit samples of all materials sufficiently in advance and obtain approval of Engineer-in-Charge. The materials to be used in actual execution of the work shall strictly conform to the quality of samples approved by the Engineer-in-Charge and nothing extra shall be paid on this account. The acceptance of any sample or material on inspection shall not be a bar to its subsequent rejection, if found defective.

4. The contractor shall at his cost, make all arrangements and shall provide necessary facilities as the Engineer-in-Charge may require for collecting, preparing, packing, forwarding and transportation of the required number of samples for tests and for analysis at such time and to such places as directed by the Engineer-in-Charge. Nothing extra shall be paid for the above operations including the cost of materials required for tests and analysis. Testing charges, if any, will be borne by the department if the test passes. In case it fails, the same shall be borne by the contractor.

5. The necessary tests shall be conducted in the laboratory approved by the Engineer-in-Charge. The samples for carrying out all or any of the tests shall be collected by the Engineer-in-charge or on his behalf by any other officer of CPWD. The contractor or his authorized representative shall associate himself in collection, preparation, packing and forwarding of such samples for the prescribed tests and analysis. In case the contractor or his authorized representative is not present or does not associate himself in the aforesaid operation the results of such tests and consequences thereon shall be binding on the contractor.

6. Materials used on work without prior inspection and testing (where testing is necessary) and without approval of the Engineer-in-Charge are liable to be considered unauthorized, defective and not acceptable. The Engineer-in-Charge shall have full powers to require the removal of any or all of the materials brought to site by contractor which are not in accordance with the contract specifications or do not conform, in character or quality to the samples approved by the Engineer-in-Charge. In case of default on the part
of the contractor in removing rejected materials, the Engineer-in-Charge shall be at liberty to have them removed at the risk and cost of the contractor.

7. The work shall be carried out in such a manner so as not to interfere or adversely affect or disturb other works being executed by other agencies, if any.

8. Any damage done by the contractor to any existing works or work being executed by other agencies shall be made good by him at his own cost.

9. The work shall be carried out in the manner complying in all respects with the requirement of relevant rules and regulations of the local bodies under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.

10. For completing the work in time, the contractor may have to work in two or more shifts and no claims whatsoever shall be entertained on this account, notwithstanding the fact that the contractor will have to pay to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour regulations and the agreement entered upon and/or extra amount for any other reasons.

11. The drawings for the work issued by the Engineer-in-Charge during execution of work shall at all times be properly correlated before executing any work and no claim whatsoever shall be entertained for discrepancies in the drawings.

12. The contractor shall maintain in good condition all work executed till the completion of entire work entrusted to the contractor under this contract.

13. No payment shall be made to the contractor for damage caused by rain, whatsoever during the execution of works and any damage to the work on this account shall have to be made good by the contractor at his own cost.

14. The rates for all items of work, unless clearly specified otherwise, shall include the cost of all labour, materials, de-watering required, if any, and other inputs involved in the execution of the items.

15. Unless otherwise provided in the schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, depths, leads and lifts.
16. No claim whatsoever for idle labour, additional establishments, costs of hire and labour charges for tools and plants etc. would be entertained under any circumstances.

17. For the safety of all labour directly or indirectly employed in the work the contractors shall, in addition to the provision of CPWD safety code and directions of the Engineer-in-Charge, make all arrangements to provide facility as per the provision of Indian Standard Specifications (Codes) listed below & nothing extra shall be paid on this account.

2. IS 3696 Part II Safety Code for scaffolds and ladders Part II
3. IS 764 Safety Code for excavation work.
4. IS 4138 Safety Code for working in compressed air.
5. IS 7293 Safety Code for working with construction machinery.
7. IS 4130 Safety code for demolition of buildings.

18. The contractor shall take all precautions to avoid all accidents by exhibiting necessary caution boards and by providing red flags, red lights and barriers. The contractor shall be responsible for any accident at the site of work and consequences thereof.

19. Other agencies working at site will also simultaneously execute the works entrusted to them and to facilitate their working, the contractor shall make necessary provisions e.g. holes, openings, etc. for laying/burying pipes, cables, conduits, clamps, hooks, etc. as may be required from time to time. The contractor shall extend full co-operation to other agencies for smooth execution of works by other agencies. The final finishing of the work is to be executed in co-ordination with other agencies as directed by the Engineer-in-Charge.

20. On account of security considerations, there could be some restrictions on the working hours, movement of vehicles for transportation of materials and location of labour camp. The contractor shall be bound to follow all such restrictions and adjust the programme for execution of work accordingly. Nothing extra shall be paid on this account.

21. It is the responsibility of the contractor to obtain necessary no objection certificate, wherever required for approval of drawings, water supply, sanitary connection, electricity connection, completion certificate, occupation certificate, clearance from fire department etc. from Central Govt./State Govt./Development Authority / Municipal Corporation / Zilla Parishad / Local Bodies/ Village Panchayat or any other organization as applicable.
Nothing extra shall be paid to the contractor for obtaining such sanctions / approval / clearance from the above bodies. However, necessary requisition and letters required in this regard shall be given by the Department. The required fees and other statutory deposits as may be prescribed by the above bodies shall be borne by the Department.

23. The contractor shall arrange to keep the premises neat and clean. The rubbish/malba and unserviceable materials shall be removed on day to day basis.
ADDITIONAL CONDITIONS FOR ELECTRICAL WORKS

Name of work: C/o. Mega Hostel II for NIT at Calicut.

SH: Pdg IEI & Fans.

1. Work shall be carried out strictly in accordance with the CPWD general specification for electrical works (Part – I Internal 2005 and Part – II External 1995 as amended up to date). All installations shall comply with the requirement of Indian electricity rules, 1956 as amended up to date. In case of items not covered by the above specification, the work shall be carried out as per the instruction of the Engineer-in-charge.

2. Contractor shall submit the completion plan separately in triplicate on blue print with one set on tracing “cloth” as per clause – 8 of the contract within 30 days of the completion of work. In case the contractor fails to submit the plan, he shall be liable to pay a sum equivalent to 2.5% of the value of the work subject to a ceiling of Rs.25,000/-

3. The contractor shall also supply insulation and earth test reports, before the installations are handed over to the engineer-in-charge in good condition as required under CPWD specifications, failing which a recovery will be effected as per clause 8B of GCC.

4. The contractor or his representative is bound to sign the site order book as and when required by the Engineer-in-charge and will comply with the remarks therein.

5. The contractor shall make his own arrangement at his own cost for electrical/general tools and plants required for the work.

6. The connections, inter-connections, earthing and inter-earthing shall be done by the contract wherever required to be done for energisation of the installation and nothing extra shall be paid on this account.

7. The contractor must be able to work on concrete slabs/walls as and when required and in complete co-ordination with the civil works. Cutting of chases in the plastered wall shall in no case be allowed. The contractor shall fix conduits and boxes in the walls soon after the brick work is completed and finish the chase to rough surface with proper cement sand mixture. Only in exceptional cases e.g. where cutting of plastered surface cannot be avoided it will be contractor’s responsibility to ensure that plastering is done to match the original finish at no extra cost.

8. To facilitate drawing of wires 18 SWG GI fish wire shall be provided along with laying of recessed conduit for which no payment shall be made.
9. Conduit end termination to SDB and main board adapter box including connection wires to MCB’s inter connection between SDB and main board etc., shall be included in the tendered rates and nothing extra shall be paid for the same.

10. The connection between incoming switch/isolator and bus bar shall be made with suitable size of thimble and cable at no extra cost.

11. Copper conductor of insulated cables of size 1.5 sq.mm and above shall be stranded and terminals provided with crimped lugs.

12. All junction box cover should not be less than 3mm thick phenolic laminated sheet for which nothing extra shall be paid on the account.

13. No advance payments will be made by the department.

14. Work contract tax and Income tax as applicable shall be recovered from the contractor bill without making any extra payment.

15. The conduit layout/wiring layout /location of point/location of earth sets etc., shall be marked at site first and got approved from the Engineer-in-charge before commencement of work.

16. Approval of Engineer-in-charge shall be taken in advance for all materials to be used on this work by the contractor.

17. In places where electrical conduits are required to pass through wall/RCC/column/beam or crimped sections etc., the conduit shall be laid on consultation with the Engineer-in-charge.

18. All the conduits for telephone /fire alarm system etc., have to be provided with 16SWG steel fish wire and also suitable deep metal junction boxes shall be provided at a distance of not more than 10 mtrs., and no extra payment shall be made on this account.

19. Design of all main and sub main boards with MCB’s etc., shall be got approved by the Engineer-in-charge prior to the fabrication by submitting detailed dimensional sketch. All terminal connection in main /sub distribution board shall be carried with the terminal lugs without claiming extra cost.

20. All the control switches for point wiring and plug points shall be of modular type. 6 pin 5/15amps switches and sockets shall also be of the same make and type to maintain uniformity and be got approved by the Engineer-in-charge prior to its installation. The modular switches, sockets, MS box and front plate shall be of the same make.
21. All repairs and patch works shall be neatly carried out to match the original finish at their own cost and to the entire satisfaction of the Engineer-in-charge.

22. The debris due to electrical works shall be cleared and shall be kept clean by the contractor at all the times.

23. The contractor or his authorized representative will have to sign the site order book and comply with the remarks therein every now and then.

24. The contractor has to make his own arrangements for storing the materials issued by the department from the stores to the site of work and watch and ward for the same till the installation is completely handed over to the department after completion. No extra claim will be entertained on account of this. Any damage caused to the materials during transit or under storage will be to the contractors account.

25. The contractor shall make his own arrangement at his own cost for all general and special T&P requirement for the work.

26. All the metal boxes housing control switches, regulators and plug sockets etc., shall be suitably earthed and no extra amount is payable on this account.

27. Only deep metal junction boxes should be used in case of recessed PVC/steel conduit wiring.

28. Colour code for the wiring shall be followed strictly as per CPWD specifications.

29. Ceiling rose is not required to be provided for batton holder/wall/ceiling/mirror light points, tube light points and fan points with recessed fan hook boxes.

30. Wherever connectors used should be got approved before use in work. In special cases like fans and certain type of fittings sufficient length of wires should be left so that the same are straight away connected to the fans and fittings without the use of connector in between.

31. The first point from the SDB should be of 15amps socket outlet, so that looping is not difficult followed by a 5amps/15amps socket outlet. Where a 5amps socket comes first due to non available reason, followed by a 15amps socket outlet a shrouded type terminal blocks inside the metal box of 5amps socket outlet should be fixed, so that the looping is done at the terminal and further higher current will not flow through the terminal of 5amps socket.

32. The contractor shall assist for smooth inspection by the electrical state or central inspectorate to facilitate getting HT/LT service connection from the supply company.
33. List of acceptable makes of materials are as under.

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<thead>
<tr>
<th>Sl.No.</th>
<th>ITEMS</th>
<th>MAKES</th>
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<tbody>
<tr>
<td>1.</td>
<td>PVC insulated copper conductor cable FRLS (ISI marked)</td>
<td>Finolex / Polycab / havells / Anchor / Ravicab / L &amp; T / Powerflex</td>
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<tr>
<td>2.</td>
<td>PVC conduit (ISI marked)</td>
<td>Avon plast / AKG / Precision / Sudhir / Modi</td>
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<tr>
<td>3.</td>
<td>Modular 9 plate) type switches and sockets</td>
<td>Anchor Roma / Crabtree / CPL / MK / Legrand / Pointer (Spectra plus) / LK</td>
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<td>4.</td>
<td>Brass Batten holder</td>
<td>Aristo / Anchor / Antex / Kinjal / Prakash / Kalki</td>
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<tr>
<td>5.</td>
<td>Phenolic laminated sheet</td>
<td>Hylam / Green lam</td>
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<tr>
<td>6.</td>
<td>MCB’s DB’s RCCB’s</td>
<td>Legrand / L &amp; T / Siemens / Scheneider (merlin Gerin)</td>
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<td>7.</td>
<td>Telephone / TV cable</td>
<td>RPG / Delton / Finolex / Havells</td>
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<td>8.</td>
<td>GI pipe</td>
<td>TATA / Jundal / Surya Prakash</td>
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