CLIENT DOCUMENT
GENERAL CONDITION FOR THE TENDER

1. If any corrections or alternations in the specification are made in the Tender Schedule by the tenderer, such tender will be summarily rejected.

2. The successful tenderer should not assign or sublet any portion of the contract.

3. The contractor shall himself arrange for the necessary installation and supply of electricity power etc., and the water for the work. The department will not incur any expenditure on this account. The charges towards temporary connections for temporary supply of electricity and water shall also be borne by them.

4. Tenderer should thoroughly acquaint themselves with the tender notice drawings, specifications, articles of agreement and conditions of contract each tender should contain not only rates but also the value of each item of work entered in a separate column. All the items being totaled in order to show the aggregate value of each tender. The rates quoted by the tenderer is expressed both in words and figures.

5. SPECIFICATION

‘Specifications means the standard specifications of, TNPWD, highways Department and any particular specifications set out for this particular contract. In the absence of any specification issued by the Department, the specifications issued by the Bureau of Indian Standards or sound engineering practices will apply.

6. WORKS COMPRISED IN THE CONTRACT

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

7. DISCREPANCIES

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

8. OMISSIONS

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

9. All duties, taxes, and other levies payable by the contractor except service tax under the contract or for any other cause shall be included in the rates, prices and total Bid Price
submitted by the Bidder. Service tax is exempted for this project since it comes under JNNURM project (Centrally sponsored scheme).

**SPECIAL CONDITION FOR SALES TAX**

The Government of Tamil Nadu has amended the provision SEC 38/7c of the TNGST of Act 1959 and the Board has also approved procedure of deduction of Sales Tax for works vide BR No.258, dated:29.11.1999.

1. Transfer of goods involved in works contracts is liable to tax under Sec.3-B/7-C of the Tamil Nadu General Sales Tax Act 1959.

2. A new provision under Sec. 7-F for deduction of tax at source is introduced in the Tamil Nadu General Sales Tax Act 1959 by Tamil Nadu Act 15 of 1999 with effect from 10.06.1999.

3. As per this new Sec. 7-F of the Act, every person is responsible for paying any sum to any dealer for execution of works contract shall, at the time of payment of such sum, deduct two percent in respect of civil works contract and four percent in respect of all other works contracts for the total amount payable to such dealers.

Accordingly every contractor has to pay Sales Tax at 2% (Two Percent) in respect of civil works and at 4% (Four Percent) in respect of all other works with effect from 10.06.1999. The Sales Tax will be deducted from the bills paid to the contractor.

**SCHEDULE – A**

**SCHEDULE OF APPROXIMATE QUANTITIES TO ACCOMPANY THE TENDER FOR THE WORK OF “Electrical works of tenements consisting of G+7 RCC Framed Structure blocks in Chennai near Perumbakkam Phase- II (Reach V) Package- 3A**

(A) The quantities here given are those upon which the lumpsum tender cost of the work is based. But they are subject to alternation, omissions, deductions or additions as provided for in the conditions of this contract and not necessarily shown the actual quantities of work to be done. The unit rates noted below are those governing payment for extras or deductions or omissions according to the conditions of the contract as set forth in the preliminary specifications of the detailed standard specifications and other conditions of the specification of this contract.

(B) It is to be expressly understood that the measured work is to be taken net (Not withstanding) any custom of practice to the contrary according to the actual quantities where in place and finished according to the drawings or as may be ordered from time to time by the Executive Engineer and the cost calculated by measurement or weight at the respective prices, without any additional charges for the necessary contingent works connected herewith. The rates quoted are for works in site and complete in every aspects.
SPECIAL CONDITION FOR THE ELECTRICAL WORKS

1. The work shall be carried out in accordance with the General specification for Electrical works and the code of practice for electrical wiring installing I.S.8732/1963 and I.S.3045/1965 and as amended up to date. All installation shall comply with the requirement of Indian Electricity Rules 1956 and Act and I.S. code amendment up to date.

2. Approval of the Engineer – in – charge shall be taken well in advance for all materials and brand of materials to be used on works by the contractor based on the description of the Executive Engineer – in – charge and this decision will be final.

3. Bad workmanship is liable to be rejected in total.

4. The contractor shall supply on completion of work, completed plan along with insulation, polarity and earth test reports before the installation is to be handed over to the Executive – in – charge in good condition in triplicate. The tests should be carried out in the present of Engineer – in–charge at contractor’s cost.

5. All repairs and patch works shall be neatly carried out to match the original finish and to the entire satisfaction of Engineer – in – charge.

6. The Contractor shall make his own arrangements at his own cost for all general T & P and special T & P required on the job.

7. The Contractor shall make his own arrangements for storage of materials and watch and ward at his own cost till installation (completed works) is handed over to the Department after obtaining the service connection from Electricity Board and testing the line. Any loss and tampering of materials for which the payment was made by the department, shall be made good by the Contractor at his own cost.

8. Issue of the materials to the Contractor wherever stipulated shall be regulated to the needs from time to time depending upon the progress.

9. Materials stipulated for issue shall be taken over to the site of works and the safe custody till completion of the job is the responsibility of the contractor.

10. All debris due to electrical works shall be removed from site by the contractor as soon as the work is completed.

11. Electrical works shall be progressed by the contractor side by side with the progress of the building work, carrying of conduits for recessed portion shall be planned together with the building progress so that there is no hindrance to the building progress at any stage.
12. The internal E.I. shall be ordinarily carried out according to the drawing supplied with the schedule of work subject to change made by the Executive Engineer-in-charge.

13. The wiring routs shall be marked at site first and get approval from the Executive Engineer – in – charge before commencement of actual work. The work must be carried out as directed by the Executive Engineer – in – charge.

14. In place, where electrical conduit is required to place through wall / RCC column / beam etc., the conduit shall be laid during the execution of work in consultation with the Engineer – in – charge so as to avoid the need for cutting the structure at a later stage.

15. The teak wood materials such as fillets specials T.W. boxes and all materials shall be got approved from the Engineer – in – charge before use to ensure the quality of materials.

16. In the case of recessed conduit works, the M.S. Boxes shall also be recessed and covered with 1/8” (3mm) hylem bake lite sheet. The thickness of M.S. Box sheets shall not be less than 3mm thick.

PROVISION OF FITTINGS
17. All switch boards shall be placed such that the bottom is normally 1.22 metres above floor level or such height as decided by the Engineer – in – charge.

18. All fittings shall be provided at 2.6 metre from the floor level or such height as decided by the Engineer – in – charge.

19. The convenient 5/15 amps plug socket shall be 23 cm above the floor level or such height as decided by the Engineer – in – charge.

20. Wiring shall run normally at 2.6 metres from the floor level or such height as decided by the Engineer – in – charge.

21. The materials issued if any by the department to the contractor the cost will be recovered at the stores issue rates. If the contractor fails to return the surplus materials after completion of work, the cost will be recovered at double the stores issue rate or market rate whichever is higher.

22. Tools and Plants generals and special as required on the work is to be arranged by the contractor at his own cost.

23. Brass tinned link / joint clips of 0.32mm (30 gauge) thick up to 40mm length and 0.40mm (28 gauge) thick above 40mm length and of 8 mm width shall be used on the work.

24. Brass hinges brass hooks and eyes, single plank teak wood board 60mm minimum depth in case of open wiring and minimum depth of 100mm in
the case of concealed wiring and not less than 6mm thickness shall be used on the works.

**FIXING OF WOODEN BATTERNS**

25. The screws shall be used for fixing the wooden battern and accessories at an interval not exceeding 50cm. The thickness of batters shall not be less than 10mm.

26. The clips are provided on the wooden battern with screw / pins and spaced at an intervals of 15cm both in the case of horizontal and vertical run.

27. The round block shall not be less than 75mm and 40mm deep and fixed by means of 2 Nos. of screws.

28. Piona type switches, sockets outlets of approved make wherever needed shall be used for recessed boards after getting the approval of Engineer – in – charge.

29. Only brass screws shall be used for fittings, switches, plug and sockets main boards and distribution boards and teak wood accessories etc., required for wiring.

30. All conduit pipe shall be of approved gauge (not less than 16 SWG 14 SWG) solid drawn or lap welded finished with galvanized stone enameled finish. The saddles used shall not be less than 24 gauge up to 25mm dia pipes and not less than 20 gauge for longer dia pipes.

31. The main earthing load shall not be less than 8 SWG copper (4.06 mm) incase of copper wire earthing of 6 SWG G.I. Wire (4.98 mm) incase of G.I. wire earthing separate earthing shall be provided for all mountings of main boards, distribution boards, 5/15 amps C.S.plugs sockets with not less than 14 SWG of copper (2.03mm).

32. Earthing shall confirm to the relevant I.S.code 303 / 1966. The G.I. pipes earth electrode system is adopted. G.I. pipes shall be of medium class 38 / 40mm dia 3.75 metres long. The electrode shall be buried in the ground vertically with its top not less than 20cm below ground level. Normally an earth electrode shall provide 1.5 metres away from any building. Incase of providing twin earthing the distance between the earth pits shall be 10'0" alternative layers of charcoal or coke and salt of minimum 15cm thick are to be provided from the bottom of earth pit up to1 metres below ground level and the masonry work is to be carried out in brick with cement mortar 1:4 (One of cement and four of sand) above the last layer and the top is to be covered by suitable cast iron frame and cover.

33. The staircase light point wiring must be done by looping or piece wire system and switch must control phase or line wire only.
34. Looping in system is to be adopted for wiring normally the looping of neutral to light fan plug points etc., shall be restricted to 3 points for a single wire from the switch board.

35. The wooden batten and specials shall not be butt jointed and joints should be lap jointed.

36. The wiring must be done using bend and corners wherever necessary sharp banding or cabling must be avoided.

37. The lighting circuit shall not have more than 10 points or a load of 800 watts which ever is less. In exceptional cases the lighting circuit shall not have more than 8 points.

38. Power wiring shall be kept separate and distinct from the lighting wiring.

39. The contractor should be present at the premises at the time of effecting service connection by the Electricity Board authority and afford all facility for testing and commissioning the installations.

40. The apartment main switches and the main switches at the Electricity Board Service connection should be numbered in paint for easy identification and the damager boards should be provided wherever necessary according to the I.E. rules and indications.

41. The Contractor should provide sufficient leads for connecting the main switches to meters and cuts provided by the Electricity Board at his own cost.

42. Looping of neutral and connection wires in the switch boards must be carried out through mechanical connectors and proper insulation shall be provided inside the switch boards wherever necessary to avoid short circuiting the system.

43. The scaffolding and the shed required for the Electrical installation works should be put up by the contractor at his own cost.

44. The run off mains relates to the mains run from the buss bar to distribution board or buss bar main switches as the position indicated in the electrical layout. The point wiring shall include mains taken from distribution board or main switch to board. The main for this shall not be measured and paid.

The run off mains relates to the mains run from the main switches provided inside the apartments to the Electricity Board authorities. The earthing for the main switches provided in the service connection board should be properly interconnected and connected to the main earthing system.
45. Each circuit has to be taken from the D.B. by separate independent conductor / separate group of wires from D.B. and they could be distinctly visible. The wiring must be one if there is no D.B. with distributed circuits as directed by the field staff.

46. For temporary supply if any required by the contractor himself should supply to M.E.S. and obtain the supply at his own cost.

47. PVC pipes and specials M.S. Boxes etc., if available with the department the same may be supplied for works at recovery.

48. The contractor should prepare necessary electrical systematic layout drawing at this own cost and get approval from the Chief Electrical Inspection to Government, Madras - 2 and the permission to enlarge the same from the CEIG (Madras – 2).

49. The Contractor shall use only the brand of materials that are approved by the Engineer – in – charges.

50. The Electrical installation to be carried out as per the specification and it confirmed to I.E. rule.

51. SALES TAX: Clause 38 (2) of General conditions of contract “The contractors shall be solely responsible to the payment of Sales Tax under the provisions of the Tamil Nadu General Sales Act 1939 (Madras Act IX of 1939) as in force for the time being and the rates for the various items of the work shall remain unaffected by any change that may be made from time to time in the rate at which the sales tax is payable”.

52. All rates quoted in the tender shall be inclusive of payable under General Sales Tax Act, as amended from time to time (Including Amendment Act) 28/84 and that the contract or responsible to file the sales tax returns and may be the tax as demanded by the Commercial Tax Department. No request for payment of sales tax separately, in addition to tendered rates due to any subsequent levy increase in tax, will be entertained vide also clause 38 (2) or General conditions of contract.

53. The Electrical contractors should hold either ‘A’ grade license (or) ‘B’ grade license issued by the Electrical wireman and supervisor contractor licensing Board.
FOR CONTRACTOR’S SPECIAL ATTENTION

1. Holes and chases for electric wiring, water supply and drainage etc., shall be provided as directed during progress of work without any claim for extra.

2. If rates are not separately called for similar items of work in different floors the contractor should note one rate applicable for all the floors indicating in the detailed plans. Any claim for extra rates for such items floor-war will not be entertained under any circumstances.

3. The revised preliminary specification of the T.N.D.S.S. are applicable of the contractor as per G.O.2659 P.W.D. dated 23-12-79.

ADDITIONAL CONDITIONS I AND II

1. The materials noted in the list enclosed will be supplied departmentally at the work site stores and their cost recovered from the contractors bills at issue rates noted against each.

2. The contractor shall be responsible for safe custody and storage of the materials under dry conditions at the place where the works got approved by the Executive Engineer.

3. Royalty or charges due for use of private quarries and private land shall be paid by the contractor.

4. The contractor shall form his own approach road to the work site for which no extra will be due to him. On completion of the work, the contractor shall not be permitted to remove the materials laid for formation of road. If the contractor is allowed to use the existing roads, he shall maintain them in good condition at his own cost throughout the period of the contract. The contractor’s special attention is invited to clauses 35, 36 of Appendix of the P.S. to

5. T.N.D.S.S. and he is requested to provide at his own expense sheds, latrines and urinals for his workmen.

6. If night work is required to fulfil the agreed rates for progress, all arrangements shall be made by the contractor inclusive of lighting without any claim for extra rate.

7. The contractor shall not employ the labour below the age of 12 years and shall also note that he must offer employment to ex-serviceman, ex-toddy tappers and unemployed agricultural labourers as far as possible.

8. Payment will be made on detailed measurement. Any of the items in the schedule may be omitted for radically altered, no variation in the rate shall become payable to the contractor on account of such omissions or variations in quantity.

9. Reference to T.N.D.S.S. No. in the schedule quantities referred to reprint 1952 and addenda and corregenda issued thereafter.

10. The contractor shall abide by the contract labour regulation formed by the Tamil Nadu Government.
11. The contractor shall at his own expense provide or arrange for provision of foot wear for any labour doing cement mixing work and all other similar types of works involving the use of tar, mortar, etc., to the satisfaction of the Engineering chief and on his failure to do so Government shall be entitled to provide the same and recover the cost from the contractor.

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

SCHEDULE "D"

Applicable to all cases of works where a minimum of fifty workers are employed except works relating to roads, channels and canals.

FOR THE PROVISION OF HEALTH AND SANITARY ARRANGEMENT FOR WORKERS

The contractor's special attention is invited to clauses 35, 36, 42 (60) & 48 of the Preliminary Specification of the Madras Detailed Standard Specification and he is requested to provide at his own expense the following amenities to the satisfaction of the Superintending Engineer.

1. FIRST AID :

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

2. DRINKING WATER :

   1. Water of good quality fit for drinking purposes shall be provided for the work people on a scale of not less than 8 gallons per head per day
   2. Where drinking water is obtained from an intermittence public water supply, each work place shall be provided with storage tank where such drinking water shall be stored.
   3. Every water supply storage shall be at a distance of not less than 50 ft, from any latrine drain or other source of pollution. Where water has to be drawn from an existing well which is within such of latrine, drain or any other source of pollution, the well shall be properly chlorinated before water is drawn from it for drinking. All such well shall be entirely closed in and be provided with a trap door which shall be dust and water proof.
   4. A reliable pump shall be fitted each covered well, the trap door shall be kept locked and opened only for cleaning or inspection which shall be done at least once a month.
3. WASHING AND BATHING PLACES:

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

4. LATRINES AND URINALS:

There shall be provided within the precincts of every work places, latrines and urinals in an accessible place and the accommodation, separately for each of them shall be on the following scale or on the scale so directed by the Superintending Engineer in any particular case:

<table>
<thead>
<tr>
<th>Seats</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i) Where the No. of persons employed exceed 50</td>
</tr>
<tr>
<td>(ii) Where the No. of persons employed exceed 50 but does not exceed 100</td>
</tr>
<tr>
<td>(iii) For every additional 100</td>
</tr>
</tbody>
</table>

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 latrines connected with a water store sewage system all latrine shall be provided with receptable on dry earth system which shall be cleaned atleast four times daily and atleast twice during working hours and kept in a strictly sanitary condition. The receiptances shall be tarred inside and outside atleast once a year.

The excreta from the latrines shall be disposed off at the contractor's expenses to the outway pits approved by the local public health authority. The contractor shall also employ adequate No. of scavengers and conservancy staff to keep the latrines and urinals in a clean condition.

5. SHEDS DURING REST:

At the work site there shall be provided, free of cost two suitable sheds one for male and the other for female, rest for the use of labourers.

6. At every work place at which 50 or more women workers are ordinarily employed there shall be provided two huts of suitable for the use of children under age of 5 years belonging to such women. Out hut shall be used for infants games and play and the other as their shed room. The huts shall not be constructed on a lower standard than following.

a. Thatched Roofs.
b. Mud floors and walls.
c. Planks spread over the mud floor and covered with matting.

The use of the huts shall be restricted to children, their attendants and mothers of the children.
7. CANTEENS:

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

8. SHED FOR WOMEN:

The contractor should provide at his expense sheds for housing his workmen. The shed shall be on a standard not less than the cheap shelter type to live in which the work people in the locality are accustomed to, floor area of about 6’ x 5’ for 2 person shall be provided. The sheds are to be in rows with 5ft, clear space between rows if conditions could permit. The work people camp shall be laid out in units of 400 persons each unit to have clear a space of 40 ft, all round.

CONDITION REGARDING CONTRACTOR’S RISK AND INSURANCE

The second para in clause 47 of the Preliminary Specification to T.N.D.S.S. is not operative and stands cancelled.

CLAUSES REGARDING ENGAGEMENT OF APPRENTICES

1. The contractor shall comply with the provisions of the Apprentices Act 1961 and the rules an orders issued there under from time to time. If the fails to do so, his failure will be a breach of the 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 agreement. The contractor shall also be liable for and pecuniary liability arising or account of any violation by him of the provisions of the Act.

2. Contractor shall during the currency of the contract ensure engagement of the apprentices in the categories mentioned below who may be assigned to him by the Director of Employment and Training / State apprenticeship Adviser, Tamil Nadu. The contractor shall train them as required under the Apprentice Act 1961, and the rules made these under, and shall be, responsible for all obligations of the employer under the said Act including the liability to make payments to the apprentices as required under the said Act.
<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Value of Contract</th>
<th>Category</th>
<th>No. to be appointed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Rs. 1 lakhs and upto Rs. 3 lakhs</td>
<td>1. Building Constructor</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Brick layer</td>
<td>1</td>
</tr>
<tr>
<td>2.</td>
<td>Above Rs. 3 lakhs and upto Rs. 10 lakhs</td>
<td>1. Building Constructor</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Brick layer</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 Diploma holder in Civil Engineering</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Above Rs. 10 lakhs and upto Rs. 50 lakhs</td>
<td>1. Building Constructor</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Brick layer</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3. B. E. (CIVIL) or equivalent degree holder</td>
<td>1</td>
</tr>
</tbody>
</table>

3. Unless the contractor has been exempted from engagement of apprentices by the Director of Employment and Training / State Apprenticeship Adviser, a certificate to the effect that the contractor has discharged his obligation under the said Act, satisfactorily should be obtained from the Director of Employment and Training / State Apprenticeship Adviser and the same should be produced by the contractor for final payment in the settlement of the contract.
# SCHEDULE 'B'

## LIST OF DRAWINGS

<table>
<thead>
<tr>
<th>Serial Number</th>
<th>Drawing Number</th>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
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<tr>
<td>1)</td>
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</tr>
<tr>
<td>2)</td>
<td></td>
<td>Type design</td>
<td>- 1 No.</td>
</tr>
</tbody>
</table>