

SAVE ENERGY

SAVE NATION

GOVERNMENT OF TAMIL NADU  
ELECTRICAL INSPECTORATE

Visit: [www.tnei.tn.gov.in](http://www.tnei.tn.gov.in)  
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From  
The Electrical Inspector,  
Room No. 651, 652, 6th floor,  
District Collector office Building complex,  
Palladam Road, Tirupur-641 604.

To  
Thiru. Sainmarks (India) Pvt Ltd.,  
S.F.No.471/1B, 471/2A3, 471/3,  
Perunthozhuvu Village,  
Ramagounden Pudur,  
Pollikalipalayam (PO),  
Tiruppur (Dt) – 641 665.

Letter No: TPR 7094 / EI / TPR / DRG / 2022 Dated: 04.07.2022

Sir,

Sub: Electricity - Electrical Installations of voltage exceeding 650V and up to and inclusive of 33 KV and up to 650V at the premises of Thiru. Sainmarks (India) Pvt Ltd., S.F.No.471/1B, 471/2A3, 471/3, Perunthozhuvu Village, Ramagounden Pudur, Pollikalipalayam (PO), Tiruppur (Dt) – 641 665 - MV Additions and Alterations - Drawing Showing the method of construction Scrutiny report –

Ref: Your letter No: Nil Dated. 13.06.2022 received on 15.06.2022 along with Drawing.

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I. The proposal for the following electrical installation as detailed below:

- (i) To erect 1 x 30 KVA/ 415V DG set.
- (ii) To carry out certain MV/LV additions and alterations as per arrangements shown in:

1.	Drawing No: JPC / SIPL / 01 / 2022 – 23	Power House & Transformer Yard
2.	Drawing No: JPC / SIPL / 02 / 2022 – 23	Schematic Layout

were scrutinized and the scrutiny report is hereby issued subject to complying with the general conditions, furnished in the ANNEXURE enclosed herewith.

II. The completion report obtained from the electrical contractor should be sent after the completion of the work and testing along with e-challan payment receipt remitted through <https://www.karuvooram.tn.gov.in/challan/echallan> under the following head of account:

0043 - 00 - Taxes and Duties on Electricity 102 - Fees under Indian Electricity Rules – AA – Fees under Indian Electricity Rule 216 – Taxation fees 72 - Inspection fees - Electricity Charges DP CODE No.0043-00-102 AA-21672	
District	Tirupur
Department Receiving Receipts	01402 – Chief Electrical Inspectorate

DDO Name	Electrical Inspector, Tirupur
Receipt Type	Fees Under the Indian Electricity Rules
Sub Type	Inspection Fees- Electricity Charges
Account Code	004300102AA21672
Remarks	For Reg 43 Inspection Fees

directly to this office with copy to the Chief Electrical Inspector to Government, Chennai and to the Senior Electrical Inspector, Coimbatore for arranging an inspection.

III. A copy in each of the drawings scrutinized are sent herewith.

  
Electrical Inspector  
Tirupur

Encl.: 2 Nos. drawings  
(Annexure Containing General and Specific Conditions)

Copy to: Thiru. Jayam Power Controls, Coimbatore – 641 041.

Copy Submitted to: The Chief Electrical Inspector to Government, Chennai.

(Encl:2 Nos. drawings)

Copy Submitted to: The Senior Electrical Inspector, Coimbatore. (Encl:2 Nos. drawings)

ANNEXURE  
PART-A – GENERAL CONDITIONS

1. The scrutiny report takes into account of the present trends and practices followed in conformity with the statutory provisions of Central Electricity Authority Regulations, 2010 (Measures relating to Safety and Electric Supply), Bureau of Indian Standards, codes and practices in force on the date of scrutiny report. In the event of any amendment/modification /insertion of new rules, codes and practices, they should be complied with notwithstanding the scrutiny report issued. Revised drawings as per the modified rules/new rules/ inserted should be submitted suo-motto by the consumer and fresh scrutiny report should be obtained superseding the previous one.
2. The installation works should be carried out in accordance with CEA Regulations 2010(Measures relating to safety and Electric supply), Bureau of Indian Standards, applicable codes and practices and as per the General and specific conditions & remarks stipulated in the scrutiny report.
3. Any electrical installation work including additions, alterations, repairs and adjustments to existing electrical installations proposed and contained in the above drawing proposals shall be carried out only by electrical contractors licensed in this behalf by Tamil Nadu Electrical Licensing Board under regulation 29 of Central Electricity Authority Regulations 2010 (Measures relating to safety and Electric Supply).
4. There should be a person holding valid Supervisory Competency Certificate appointed for the operation and Maintenance of the installation.
5. The service of Mobile laboratory available in this department as well as in TANGEDCO may be utilized for the purpose High voltage equipments and pre-commissioning tests.
6. The manufacturer's test certificate should be got accepted separately before any equipments/Cables above 650V are commissioned.
7. Work permit system should be evolved and adopted as per guidelines prescribed in IS 5216 while undertaking erection and maintenance works in electric supply lines, circuits and electrical equipments.
8. Whenever construction of building in the vicinity of bare electric supply lines is involved, provisions contained under Regulation 58 to 64 of Central Electricity Authority Regulations 2010(Measures relating to Safety and Electric supply) should be followed.
9. Clearances stipulated under Regulation 37 to 63 of Central Electricity Authority Regulations, 2010(Measures relating to Safety and Electric Supply) should be provided for the switch board, for enabling convenient and safe working to the operating personnel.
10. Earthing system should be satisfy the requirements provided under Regulation 20,21,37,41 and 48 of Central Electricity Authority Regulations, 2010 (Measures relating to Safety and Electric Supply) and IS 3043 should be ensured, earthing system other than TT system of earthing should be justified by a write up.
11. When independent (stand by) source of supply using generator set etc. is proposed, positive arrangement should be made to prevent paralleling of such sources of supply either among them or with the Supplier's sources of supply under any circumstances.
12. When separately derived source of supply using isolation transformer is proposed for sensitive loads like UPS, CNC machines, computers etc., neutral of such derived sources of supply should be earthed electrically independent from any other source neutral.
13. ELCB should be provided at the source and itself for the circuits feeding socket outlets intended for the utilization of portable/hand held equipments.

14. Suitable starting current limiting devices should be provided for the equipments when their starting current is likely to affect the other circuits by causing excessive voltage dip.
15. Fault level at various locations should be arrived at and the adequacy of fault clearing devices at the respective locations should be ensured.
16. The relays and fault clearing devices should be coordinated for affording discriminative protection to the circuit's right from the HV panel up to the MV panel, downstream circuits and loads.
17. Any other conditions that may be imposed on an inspection at a later date.

#### Part-B

##### Specific Conditions:

1. Adequate size of earth leads should be used to earth the Neutral and body of the proposed generator.
2. Control panel of the proposed generator should be erected within 3 metre distance from the generator.

##### Remark:

1. Location of the earth electrode for the proposed generator is not furnished in the drawings.

  
Electrical Inspector  
Tirupur