

G V RESEARCH CENTERS PVT LTD.

P.NO.542 (P)/3, KOLTHUR (V), SHAMIRPET (M), MEDCHAL DIST-TELANGANA STATE.

To
The Chief Electrical inspector
To Government of Telangana
Mint compound,
Hyderabad.

Sir,

Sub: Submission of compliance report requested – Reg.
Ref: Lr.No.CEIG/TS/HT-MDL-2021-10595/D.NO.920/Dated.27.04.2023.

With reference to the above subject, we are attended the defects and given an item wise compliance report details are given below

INSTRUCTIONS:

1) 33KV SWITCHING YARD:

01. The HT cables termination in the switch yard is done immediately and run in suitable Trenches & Cable trays are dressed neatly and overlapping of the cables are avoided.
02. 25 KGs capacity of CO2/DCP type Fire Extinguishers are provided at 2.5 MVA Transformer for dealing with Electrical Fires.
03. Fire detection, alarm and control system is provided as per relevant IS.

2) TRANSFORMER YARD:

01. 25 KGs capacity of CO2/DCP type Fire Extinguishers are provided at 2.5 MVA Transformer for dealing with Electrical Fires.
02. Fire detection, alarm and control system is provided as per relevant IS.
03. Fencing is provided around the transformer yard is connected to Earth at all sides.
04. Transformer Yard is levelled and hard granite metal of 50mm is spread all over the transformer Yard.
05. Earth strips in the yard is run below 500 mm of earth soil.
06. Welding is done for earth flats jointing, the same is replace as nut bolt jointing system.
07. All the cables in the transformer yard is dressed neatly and avoid bends.
08. Bus Duct of the Transformer is ring connected and the common point is connected to Earth as suggested during inspection.
09. The Glands of all the Cables are connected to Earth.
10. A suitable route markers/indicators are provide along the cables which run in underground.

3) PANEL ROOM:

01. Fire detection, alarm and control system is provided as per relevant IS.
02. All ducts/holes in PCC panel room is covered with suitable fire sealant as suggested during the inspection.
03. All the cable trenches are covered with suitable covers.
04. MCBs which are placed in PCC & MCC panels are replace with adequate capacity MPCBs and replaced photos are submit to this office.
05. Bus duct has been removed on both ends of Main PCC Panel and it is not used for operations.
06. The number of Heat/smoke sensors are increase in the PCC panel room.
07. Earth flats which laid directly on ground in utility area is grouted or run 0.6 meters below the ground.
08. A suitable capacity exhaust fan is provide in panel rooms.
09. A clear identification marks are provide on all panel boards/Switches.

4) MACHINERY SECTION:

01. The earth strips of generator is joint with 2 sets of nut bolts.
02. A suitable Heat and smoke sensors are provide in the generator enclosure.
03. All the cables in 5th floor at A/C panel is dressed neatly and avoid cable bends.
04. The frames of AC compressor motors are double earthed with suitable size earth conductor.
05. Revised load list is submitted according to the load installed in your installation.
06. Earth flats which laid directly on ground in utility area is grouted or run 0.6 meters below the ground.
07. Existing temporary wiring provided in your installation is made permanent by taking suitable precautions.
08. The cables on the cable Trays are dressed neatly and overlapping of the cables are avoided by providing some more additional Cable Trays.
09. A Lightning conductor which protects the building against Lightning is provided on the top of the Building and it is connected to Earth with 25x3mm copper flats by running on Insulators.

5) GENERAL:

10. Instruction charts in English and Telugu for the restoration of Persons Suffering from Electric Shock is exhibited at AWU Blower section and Rolling Resistance machine section.
11. We are appointing very soon having an Electrical Engineering with 5years experience are designated as Electrical Safety Officer for ensuring the safety measures.
12. A Person holding Supervisor permit "up to 33Kv" obtained from Telangana Electrical Licensing Board Hyderabad is appointed to look after the Electrical Installation.
13. Suitable Rubber mats are provided in front of all the switch Boards/Panels Continuous casting machine room.
14. The earth flats are properly connected avoiding air gaps, wherever joints were made to have more contact area and to maintain the continuity of the earth path from equipment to earth electrodes.
15. Co2/DCP type fire extinguishers are provided at all the conspicuous places for dealing with electrical Fires.
16. Clear identification marks are provided for various circuits on all distribution boards and all panels.
17. i) A clearance of 3.0Mtrs. In between the Earth Pits and 1.5Mtrs. From Wall to Earth Pit is maintained as suggested during inspection.
ii) Suitable funnels and covers are provided to all the earth pits.
iii) Identification marks are provided on all the earth pits.
iv) All the earth electrodes are interconnected.
18. Danger Notices/Boards are exhibited at all the Conspicuous Places.

For. G V RESEARCH CENTERS PVT LTD.


(Authorized Signatory)

