



**GOVERNMENT OF KARNATAKA
(ELECTRICAL INSPECTORATE)**

9538007800

No: ACEI/BN/DEI/HT,DG,LTMSB/ /2022-23

CAMP

The Deputy Electrical Inspector
O/o. Additional Chief Electrical Inspector
Bangalore North.
No: 2/4 "Aragini Bhavana"
Dr. Rajkumar Road, Rajajinagar,
Bangalore-560 010

Date: 27/1/2022

To,
M/s Maini Precision Products Ltd.,
B-59, 1st cross, 2nd main,
1st stage, P.T.O,
Blue

Sir,

Sub: Periodical Inspection of Electrical installation bearing R.R. No: NSHT-508 having 1x250 KVA Transformers 1x120 KVA DG sets and — Nos Lifts & MSB is having — at the above said premises.

Ref: T.O. Letter No:

With reference to the above, I write to inform you that the above said electrical installation was inspected by the undersigned on 27/1/2022 and found to be not fully in general conformity with CEA 2010 & the Karnataka Lifts, escalators and passenger conveyers Act 2012 and Rules 2015.

Therefore, you are requested to get the following defects rectified through valid Class-I Licensed Electrical Contractor & Registered Lift Agency, so as bring the same in conformity with the aforesaid rules and report compliance thereof to this office.

Further, item wise compliance report of Class-I Licensed Electrical Contractor & Lift Agency shall be forwarded to this office within FIFTEEN days of this letter, failing which your installation will be liable for disconnection as per regulation 30 of CEA regulation 2010.

The inspection fee of Rs. 5,300 /- The payment shall be made through on-line (<http://k2.karnataka.gov.in>) or at the government treasury under budget head NON-PLAN 004300102001 commodities and services on electricity and forward the copy of the fee paid receipt/challan to this office.

(Online payment Procedure → <https://k2.karnataka.gov.in> → Services → Generate Challan → Enter details (Company/Firm Name in Remitter Details, category → Government, District-Bangalore Urban, Dept- Electrical Inspectorate, Office → Electrical Inspectorate North Zone Office (DDO Code → 193560) → Purpose: Fees → Sub Purpose → Periodical Inspection Fee → add → then select mode of payment).

Please note that as per the prevailing regulation 12(4) and 46(7) of CEA MRS & 3S 2010, it is the prime responsibility of the owner of the authorized person of electrical installation to maintain their electrical installation in a condition and free from all danger.

DEFECTS:

1. Rusted parts of the DP structure, fence and transformer shall be painted with antirust paint. R-44 (12) of MRS&ES 2010
2. Cable trench shall be completely covered with non-inflammable slab. R-44 of MRS&ES 2010
3. All electrical equipments shall distinctly labeled of permanent nature to identify the rating including the operating voltages and current with HT/LT Cable size & direction of power flow. R-12 of MRS&ES 2010.
4. The earth-pits are not maintained. The rusted funnel and bolt & nuts provide for the earth electrodes shall be replace and earth electrodes shall be replace and earth electrode pits shall be reconstructed, distinctly labeled and provisions provided for maintenance as per IS 3043-1987. R-12 of MRS&ES 2010.
5. Vegetation in the yard shall be removed and shall be kept neat and clean.
6. 40 mm thickness sharp edged blue granite jelly shall be re-spread uniformly over the substation yard. R-12 & R-47
7. Cable shall be provided with cable glands and same shall be efficiently earthed. R-12 of MRS&ES 2010.
8. Silica gel in the breather shall replenish or shall be reactivated. R-12 of MRS&ES 2010
9. Transformer oil test results, DG Set Routine test reports and insulation test results shall be furnished. R-12 of MRS&ES 2010
10. Insulation test results of the electrical equipments and between conductors & earth of all LT circuits shall be furnishes. R-12 of MRS&ES 2010
11. Earth test results of all earth electrode pits shall be furnished. R-48 of MRS&ES 2010

12. HT/LT cable route markers shall be provided all along the route of the cable and location of joints in the cable shall be identified. R-12 of MRS&ES 2010
13. Fire extinguishers suitable for electric fires and round bottom fire buckets filled with sand shall be kept in an accessible position near the LT Switchgear room. R-12 of MRS&ES 2010
14. All the outgoing LT Circuits from the main LT Panel shall be distinctly labeled of permanent nature to distinguish the loads for which they control / feed at front & at the Rear. R-12 & R-25 of MRS&ES 2010
15. Cable tranches inside the switchgear room shall be filled with dry sand and shall be completely covered with non-inflammable slabs. R-44 of MRS&ES 2010
16. Flexible wires with insufficient insulation shall not be used for temporary power supply extension from the main LT Panel. R-21 of MRS&ES 2010
17. Open slots/holes in the LT Switchgear panel shall be covered & Made vermin proof. R-37 of MRS&ES 2010
18. Body of LT Panel/Motor Shall be earthed by two separate and distinct earth connections. R-41 of MRS&ES 2010
19. Unwanted & fire catching material stored in front of the LTD panel shall be removed. R-37 of MRS&ES 2010
20. Medium voltage class rubber mat or epoxy insulating paint shall be provided in front of the panel. R-19 of MRS&ES 2010
21. ELR shall be provided for the main incomer for protection from leakage currents, ELCB shall be provided for each LT Circuits with load of 5kW & above. R-42 of MRS&ES 2010

DG SET:

22. Monthly 'G' Forms Furnishing the details of units generated from individual DG Sets & Sold be regularly furnished & "F" Form shall be maintained. Karnataka Electricity (Taxation on Consumption) Act 1959
23. Fresh calibration test certificates of the Energy Meter and CT's provided for the DG Sets shall be furnished.
24. Log book detailing/Showing day-to-day generation of energy and fuel consumption shall be maintained.
25. The DG Set and ESCOM supply change over scheme shall be periodically maintained for safe operation and to prevent back feeding at all times.
26. Penalty for not submitting Monthly "G" Returns in Rs.5000/- (Rupees Five Thousand) as per Sec 9 of Karnataka Electricity (Taxation on Consumption) Act 1959

LIFT (THE KARNATAKA LIFTS, ESCALATORS AND PASSENGER CONVEYORS ACT, 2012/RULES 2015)

27. Floor Indication of permanent nature shall be provided opposite to lift car landing at individual floors.
28. The emergency alarm provided in the lift car is not functioning. The same should be attended to immediately.
29. Way to Lift Machine Room shall be displayed at the last landing level.
30. ARD or AMF Control Generator shall be provided for lift Circuit and shall be calibrated.
31. Mesh Guard shall be provided for the lift governor/ exhaust fan o motor wheel.
32. Infra Red Sensor shall be provided for the Lift Car Door.
33. Exhaust fans shall be provided at individual lift machine room.
34. A copy of the lift AMC agreement shall be furnished. Rule 12 (4)
35. The license granted for lift is valid for ten year from the date of issue & same shall be renewed for further 05 years by duly applying in C1 within 03 months before expiry of license.

M/S. Building:

36. Power Cables & Telecom/data cables shall be properly segregated overlapping shall be avoided as ISS.
37. Smoke Detector with fire alarm shall be provided for ceiling above Electric Panels as per ISS.
38. Alternate floor cable duct shall be sealed properly. R-36 of MRS&ES 2010
39. Missing Lightning Conductor/Aviation Lamp shall be provided as per ISS.
40. Approval Copy of HT Transformer, DG Sets, Lift, Electrical Installation of MSB shall be produced to this office.
41. Fire mockup drill shall be conducted.
42. Lift of authorized persons with their name, designation & mobile number shall be displayed.

43. COPY of Compliance report for FY 2021-22 may be furnished for verification

M. D. M. K. K.
Deputy Electrical Inspector
Bangalore North, Bangalore 10.