

Government of Karnataka  
(Electrical Inspectorate)

Form-19

See Sub-Rule (1) of Rule 10

Periodical Inspection Observation Letter

No: EI-BS/DEI/BS2/AEI/PI/Spot/2021-22

Ph No-9448066181

Deputy Electrical Inspector, Bengaluru South-2  
Office of the Electrical Inspector,  
Bengaluru South,  
No.: 95, 1<sup>st</sup> Floor, Gandhi Bazaar Main Road,  
Basavanagudi, Bengaluru- 560 004

To, M/s NVT Quality Education Trust

(ISME) Sy no 88,

Chemburahalli Village

Scrjapur Road, Dommasandra

Bangalore

Sir,

Sub: Periodical Inspection of your 1x 315kva HT + 1x 625kva DG + Lift

Installation at  
your Premises as per Central Electricity Authority (Measures relating to Safety and Electric Supply)  
Regulations, 2010 bearing BESCO R.R No AT345-132 Reg:-

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The periodical inspection of the electrical installation of your Premises, was carried out by the undersigned on 28/01/2022 as per the provisions of Regulation No: 30 of Central Electricity Authority (Measures relating to safety & Electric supply) Regulations 2010 and whereas it appears to me that you have not complied with the regulations made under section 53 of Electricity Act 2003, in the following respects mentioned below, you are hereby called upon to comply with the said regulations within Fifteen Days from the date of this Letter & report compliance in writing to me.

Further, periodical inspection fee of ₹ 7400/- (Rupee seven thousand four hundred only) shall be paid to Government Khajane

through online <https://k2.karnataka.gov.in> (DDO Office: Electrical Inspectorate Division South Office, Bengaluru South. DDO Code: 193430) towards Fee for the Inspection of Electrical installation under the Budget Head Non-Plan, 0043-00-102-0-01 as per the Karnataka Electrical Inspectorate (Powers, Functions and levy of fees) Rules, 2018

This is to inform that as per the prevailing Regulation 12(4) and 46(7) of CEA (MRS&ES) 2010, it is the prime responsibility of the owner or the authorized person of any electrical installation to maintain their electrical installation in a condition free from danger.

Defects

Attached ticked & stamped

1. Transformer oil test results and megger results shall be furnished. **R-12 MRS&ES 2010**
2. Insulation test results of all electrical equipments and between conductors & earth of all LT circuits shall be furnished. **R-12 of MRS&ES 2010**
3. Faded Danger Board & No-Admission Board shall be painted and re-fixed at a conspicuous location at the entrance of the substation, **Switchgear room, DG Room & Lift Room.** **R-18 of MRS&ES 2010.**
4. Substation yard/ D.G Yard shall be secured to prevent unauthorized access of the electrical equipments by providing fencing to yard. **R-49 of MRS&ES 2010**
5. Rusted parts of the DP structure, fence and that of the Transformer body shall be painted with antirust paint. **R-44 (12) of MRS&ES 2010.**
6. Cable trench shall be completely covered with non-inflammable slabs. **R-24 of MRS&ES 2010**
7. All Electrical equipments shall be distinctly labeled of permanent nature to identify the ratings including the operating voltages and current with HT/LT Cable size & direction of power flow. **R-12 of MRS&ES 2010.**
8. The earth pits are not maintained. The rusted funnel and bolt & nuts provided for the earth electrodes shall be replaced and earth electrode pits shall be reconstructed, distinctly labeled and provisions provided for maintenance as per IS 3043-1987. **R-12 & R-44 of MRS&ES 2010**
9. 40mm thickness sharp edged blue granite jelly shall be re-spread uniformly over the substation yard & Vegetation in the yard shall be removed and shall be kept neat and clean. **R-12 & R-47**
10. Cable shall be provided with cable glands and the same shall be efficiently earthed. **R-12 & R-47**
11. Silica gel in the breather shall be replenished or shall be reactivated. **R-12 of MRS&ES 2010**

12. Earth test results of all earth electrode pits shall be furnished. **R-48 of MRS&ES 2010**
13. 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 MRS&ES 2010**
14. 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-27 of MRS&ES 2010**
15. 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**
16. 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**
17. 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**
18. Open slots/ holes in the LT switchgear panel shall be covered & made vermin Proof. **R-37 MRS&ES 2010**
19. Body of LT panel shall be earthed by two separate and distinct earth connections. **R-41 of MRS&ES 2010**
20. Unwanted & Fire catching materials stored in front of the LT panels/ D.G set shall be removed. **R-37 of MRS&ES 2010**
21. UPS Battery located inside the LT Panel room shall be shifted to a new location for maintaining the required clearances.
22. Medium voltage class rubber mat shall be provided in front of the LT panel. **R-19 of MRS&ES 2010**
23. ELR shall be provided for the main incomer for protection from leakage currents/ 30 mA Sensitivity ELCB shall be provided for all LT circuits. **R-42 MRS&ES 2010**
24. Approval copy of H.T Transformer, DG sets, Lift, Electrical installation of MSB shall be produced to this office.
25. Fresh Service reports of the VCB and ACB HT/LT Breakers shall be furnished to this office.
26. Fresh Calibration reports of the Relays, CT's, PTs, provided for the HT Breakers shall be furnished.

#### DG SET

27. Monthly 'G' forms furnishing the details of units generated from individual D.G sets & Sold shall be regularly furnished & "F" Form shall be maintained. **Karnataka Electricity (Taxation on Consumption) Act 1959.**
28. Fresh Calibration test certificates of the Energy meter and CT's provided for the D.G sets shall be furnished.
29. Log book detailing/ showing day-to-day generation of energy and fuel consumption shall be maintained.
30. Advolorem Electricity Tax @ 6% shall be paid to the Government through this office, for the units generated & Supplied to your clients /Tenants in the form "G" along with Interest 1.25% per month. W.e.f from March 2013 to 18<sup>th</sup> July 2018 & 9% from 19<sup>th</sup> July 2018 to till date without fail.
31. Electricity Tax @ 10 paise per unit shall be paid by all consumers of above 250Kva Dg set from 19<sup>th</sup> March 2015 and above 1x500 kVA from May 2016 to 18<sup>th</sup> July 2018 & 20 paise from 19<sup>th</sup> July 2018 to till date on self consumption along with Interest 1.25% per month without fail.
32. Penalty for not submitting monthly "G" Returns is Rs 5000/- (Rupees Five thousand) per month as per Sec 9 of Karnataka Electricity (Taxation on Consumption) Act 1959 shall be paid.

#### LIFT (The Karnataka Lifts, Escalators and Passenger Conveyors Act, 2012/ rules, 2015)

33. Floor indication of permanent nature shall be provided opposite to lift car landing at individual floors.
34. The emergency alarm provided in the lift car is not functioning. The same should be attended to immediately.
35. Way to Lift Machine Room shall be displayed at the last landing level.
36. ARD or AMF Control Generator shall be provided for Lift circuit.
37. Lift Governor shall be got tested and fresh test reports shall be furnished to this office.
38. Mesh Guard shall be provided for the lift governor.
39. Infra Red Sensor shall be provided for the Lift Car door.
40. A copy of the lift AMC agreement shall be furnished. **Rule 12 (4)**
41. The licence granted for lift is valid for Ten years from the date of Issue & same shall be renewed for further 05 years by duly applying in Form-C1 within in 03 months before expiry of licence.

#### M.S Building

42. Power cables & Telecom/data cables shall be properly segregated overlapping shall be avoided as per ISS
43. Smoke Detector with Fire Alarm shall be provided for ceiling above Electric panels as per ISS.
44. Alternate Floor cable duct shall be sealed properly. **R-36 of MRS&ES 2010**
45. Missing Lightening Arrestor/ Aviation Lighting shall be provided as per ISS

*Let Any Addition/alteration of Likelihood as of Mon. shall be got approved from this department as per CISA Regulation.*

Yours faithfully,

Deputy Electrical Inspector,  
Bengaluru South-2