

Dr. 04.01.2022

GOVERNMENT OF KARNATAKA
(DEPT. OF ELECTRICAL INSPECTORATE)

M : 9845894632
Ph no. 080/26608683
Email id: dcei.blrs@gmail.com

No: ACEI/BS/DCEI/AEI(O)/F- camp /2021-22 Deputy Chief Electrical Inspector,
Bengaluru South,
Office of
The Addl. Chief Electrical Inspector,
Bengaluru South,
No.53/2, 2nd Floor,
Behind Sri. Nijaguna Kshetra,
Bull Temple Road, Basavanagudi,
Bengaluru-560 019.

To, M/s. K.S Institute of Technology
No: 16, Raghuvamahalli,
Komakapura Main Road,
Bengaluru - 560062 560109

Sir,

Sub: Periodical inspection of 1x250 KVA 11KV/433V HT transformer centre bearing RR No. 25HT-32 [1x250 + 1x125] KVA DG SET, 0.2 NO. of Lift and MS Building [0.3] - Reg.

***** 2022

With reference to above, I write to inform you that the periodical inspection of your electrical installation is carried on 04/01/2022 and found to be not in full conformity with the Indian Electricity Rule 1956. You are, therefore hereby informed to get the following observations rectified so as to bring the same in general conformity with the above said rule.

Further you are requested to pay the inspection fee of Rs. 23,400/- [Rupees Twenty Three Thousand Four Hundred only] fees toward any treasury under the budget head : Non - plan 004300102001. Other Taxes and Duties on Electricity Fees under I. E. Rules 1956 also you may remit the fees vide ONLINE PAYMENT (Website: <https://k2.karnataka.gov.in>) in favor of ELECTRICAL INSPECTOR CIRCLE OFFICE BENGALURU ADDITIONAL SOUTH, BENGALURU and submit the original fee paid challan ref No. to this office within TEN DAYS from the date of this letter, failing which power supply to your electrical installation will be referred for disconnected as per Rule No. 46(2)(B) of I.E. Rules 1956. Further you are hereby informed to attend the defects through Govt. Licensed class-1 Electrical Contractor and submit his item - wise compliance report after duly attending the defects within FIFTEEN DAYS from the date of this notice, failing which power supply to your electrical installation will be referred for disconnected as per Rule No. 46(2)(C) of I. E Rules 1956.

Super. of person & copy shall be produced.

DEFECTS:

TRANSFORMER YARD :

Transformer of capacity 1x250 KVA, 11KV/433

1. The Transformer oil shall be got tested for its dielectric strength and test report shall be furnished. licence copy of P-L lift shall be produced within 7 days
2. Oil leakage in the Transformer shall be stopped immediately.

- * Approval copy of the HT, DG, MSB & lift shall be furnished.
- * Lift license renewal copy shall be furnished if the lift has completed 10 years as per Karnataka lift Passenger conveyor Rules 2015.

- ~~3.~~ Transformer HV/LV insulation resistance shall be measured & test result shall be furnished.
4. Painting shall be done for all rusted parts of the transformer, metal parts of the structure, fencing and LT panel.
- ~~5.~~ Silica gel in the transformer breather shall be reactivated/ replaced.
- ~~6.~~ HT/LT cable size, direction of flow of current shall be indicated on the transformer terminal box and cables raises at the D.P Structure and also bus duct size shall be labelled.
7. HT/LT cable route markers type shall be provided along the cable route at regular interval.
- ~~8.~~ All cable route must be clearly demarcated with route indicators of permanent type and no structure or building should be put up over the cable route.
- ~~9.~~ Anticlimbing devices i.e. GI barbed wire fencing shall be provided around the Transformer yard at about 2.5m above ground level and same shall be earthed suitably.
10. Cable gland shall be earthed.
- ~~11.~~ A copper strip looping between the top cover of the transformer and the tank of the transformer shall be provided to avoid fault current passing.
12. Fresh oil shall be filled in cealing cup.
- ~~13.~~ A surface layer of crushed stone jelly preferably 25 to 40 mm thick shall be provided in the yard up to a depth of 80 mm to 150 mm to retard evaporation of moisture from earth during dry season and to keep the touch and step potential within limits and for improving the surface resistance for the safety of working personnel.
- ~~14.~~ Rusted bolts/nuts of all the earth pits shall be replaced by new/GI/brass bolts and nuts and earth pits shall be labelled accordingly as per IS 3043/1987.
15. HT breaker service report by the MRT shall be furnished.
- ~~16.~~ Approval copy of Transformer shall be furnished.

LT ROOM:

- ~~1.~~ All incomer and outgoing circuits/ feeders shall be legibly labeled.
2. MV grade rubber mat shall be provided in front of LT panel with a clearance of 3 feet.
- ~~3.~~ Cable tray shall be provided and cables shall be taken through cable tray only to need to avoid the overlapping of cables and earthing shall be done for cable tray.
- ~~4.~~ ELR shall be provided at main LT panel.
5. Label all the LT switch gear to indicate circuits which they control and same shall be labeled floor wise.
- ~~6.~~ Cable gland earthing shall be provided
7. All Switches / Motors / Panel board to be provided with two separate earth connections.
- ~~8.~~ Safety equipments such as First Aid Box, Rubber Hand Gloves, and Fire Extinguishers etc. shall be Maintained.
9. Shock treatment chart shall be displayed inside the LT room.
- ~~10.~~ Approved drawings and copy of Approval of HT-DG set installations shall be displayed at a conspicuous place in the switchgear room LT room.

SWITCH GEAR / D.G. ROOM:

1. DG set approval copy shall be furnished.
2. Analog type energy meter shall be provided instead of digital type.
3. Calibration report of current transformer and energy meter shall be furnished.
4. Cable gland of the cable at the generator terminal shall be earthed.
5. Asbestos rope shall be wound to the Exhaust pipe of DG set.
6. 9% Advoleram tax for the sale of energy shall be paid from all the tenants from 11th March 2013 and 20 paise per unit electricity tax shall be paid for the self consumption from 19th JULY 2018 along with Form G and F. [If already paid please furnish the same].

LIFTS:

1. Annual Maintenance Contract between the lift agency and yourself shall be furnished along with the report on working condition of safety limit switches & governor over speed and the copy of the same shall be furnished.
2. Trained lift operator shall be appointed and the names shall be provided to this office.
3. All the lift pits shall be cleaned.
4. All the earth pits shall be maintained as per IS 3043/1987 and labelled.
5. OSG and other test reports shall be furnished.
6. Lift License copies shall be furnished.

MS Building:

1. Lightning arrester shall be provided on top of the building and same shall be earthed effectively.
2. Aviation lamp shall be provided on top of the building.
3. Fire alarm and smoke detector shall be provided at each floor of the building.
4. All the floor wise ELCB's shall be checked and keep them in working condition.
4. Danger board in local language shall be provided on all the Distribution boards/ panels and at the entrance of the power room.
5. MS Building approval copy shall be furnished.

GENERAL:

1. ELR shall be provided for utility panel.
2. Annual maintenance certificate for lightning protection shall be furnished.
3. Earth test results of all the earth pits shall be furnished.
4. Megger test results of Transformer/ Generator / Lift motor winding shall be furnished.
5. Instruction chart for restoration of person suffering from electric shock shall be displayed at a conspicuous position at switchgear room / generator room.
6. Safety equipments such as First Aid Box, Rubber Hand Gloves, and Fire Extinguishers etc. shall be Maintained.
7. List of Authorized persons of your electrical installation under direct supervision of person holding Competent permit issued from Govt. Shall be displayed in the Switchgear/generator room.
8. Approved drawings and copy of Approval of HT / DG set installations shall be displayed at a conspicuous place in the switchgear room / generator room.
9. All parts of electrical equipments such as motors starters, I.C. Switches etc. shall be earthed With two separate distinct connections with earth using suitable size of earth lead.

10. Suitable capacity 30mA sensitivity ELCB shall be provided for each individual circuits with load 5KW & above.
11. All the circuits shall be designated and details of circuits shall be painted on the I.P / D.P. Switches in the panel board.
12. Full Length MV grade rubber mats shall be spread in front of all LT panels/DG panel boards.
13. All the loose wires extended shall be removed or it shall be made permanent.
14. A danger notice plate in Hindi or English and the local language of the District with a sign of skull and bones with appropriate voltage level shall be affixed permanently at the entrance of Transformer Yard /D.G.Room.
15. List of Authorized persons of your electrical installation under direct supervision of person holding Competent permit issued from Govt. Shall be displayed in the Switchgear/generator room.
16. Registers shall be maintained to record the periodical inspection work and same shall be provided during the inspection time.
17. Maintenance manager who is doing electrical maintenance work having valid supervisor permit copy and Wireman permit copy shall be furnished along with p.f No.
18. Trained lift operator names shall be furnished.

Note:

1. Latest month E-tax on DG units paid receipt & G form copy shall be furnished.
2. Single line diagram of complete electrical installation clearly showing BESCOM supply, DG sets supply, Bus coupler arrangements and details of individual loads their cable size, protection provided & individual panel location & earth pits locations shall be got approved separately from this office. If already obtained approval, furnish the same.
3. Floor wise LT load approval shall be obtained from this office.
4. BESCOM bill shall be furnished.

Yours faithfully,

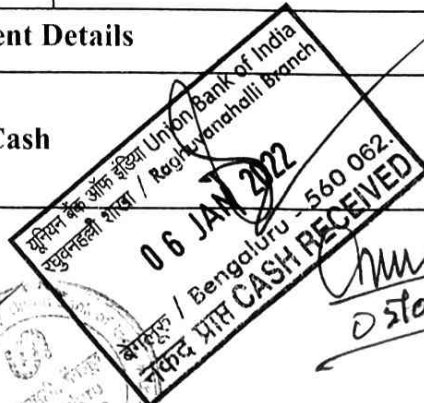

Deputy Chief Electrical Inspector
Bangalore South, Bangalore

Copy to:
Office copy/ Master copy

- * Generator logbook not maintained and Form G monthly returns not submitted same shall be got set right immediately
- * Unwanted materials stored near DG Room shall be removed
- * All the cables shall be neatly laid in the cable tray without overlapping each other
- * As load approval copy of the all the blocks shall be furnished
- * Generator approval copy shall be furnished. kWh meter shall be provided for 125KVA DG set.



ಚಲನ್ ಚಾಲ್ತಿ ಅವಧಿ Challan Validity	ಜಿಲ್ಲೆ District	ಇಲಾಖೆ Department	ಡಿಡಿ ಕಚೇರಿ DDO Office	
7 Days	BENGALURU URBAN	ELECTRICAL INSPECTORATE	ELECTRICAL INSPECTORATE CIRCLE OFFICE ADDL. SOUTH, BANGALORE	
ವರ್ಗ Category	ದಿನಾಂಕ Date	ಚಲನ್ ಉಲ್ಲೇಖ ಸಂಖ್ಯೆ Challan Reference Number	ಡಿಡಿ ಕೋಡ್ DDO Code	
Government	05/01/2022	CR0122004300088011	193510	
ಸಂದಾಯದಾರನ ಹೆಸರು Remitter Name	KSINSTITUTEOFTECHNOLOGY KSIT		ಮೊಬೈಲ್ ಸಂಖ್ಯೆ Mobile Number	9901866375
ವಿಳಾಸ Address	NO 14 RAGHUVANAHALLI KANAKAPURA MAIN ROAD BENGALURU 560109			
ಉದ್ದೇಶ Purpose	ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ Head of Account	ಉಪ ಉದ್ದೇಶದ ಹೆಸರು Sub Purpose Name	ಉದ್ದೇಶ ನಿರ್ದಿಷ್ಟ ಐಡಿ Purpose Specific ID	ಮೊತ್ತ Amount
FEES	0043~00~102~0~01~000	PERIODICAL INSPECTION FEES	NA-	8000
ಸಂದಾಯ ಮಾಡುವ ಬ್ಯಾಂಕ್ Remittance Bank	UNION BANK OF INDIA	ಒಟ್ಟು ಮೊತ್ತ Grand Total		8000 ✓
ಪಾವತಿ ಹಂತ Payment Status	Payment Yet To Be Made At Agency Bank	ಒಟ್ಟು ಮೊತ್ತ ಅಕ್ಷರಗಳಲ್ಲಿ Total Amount in Words	Eight Thousand Only	
ಪಾವತಿ ವಿವರಗಳು \ Payment Details				
ಪಾವತಿ ವಿಧ Payment Mode	Cash			



(a) Rs 23,400/-
 Already 15,400/-
 Bal pd Rs 8,000/-
 ms. 622

AA193768

6/1/2022



05/01/22



KSIT
K.S. INSTITUTE OF TECHNOLOGY

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K.S. INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi; Affiliated to VTU, Belagavi, Karnataka; Accredited by NAAC

14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560 109.

Tel : 080 28435722 / 24, Fax : 080 28435723

E-mail : principal.ksit@gmail.com / principal@ksit.edu.in | Website : www.ksit.edu.in

Date: 25-03-2022

To
The Deputy Chief Electrical Inspector,
Bangalore South,
No. 53 / 2, 2nd Floor, Bull Temple Road,
Basavanagudi,
BENGALURU - 560 019.

Sir,

Sub: Periodical inspection of 1 X 250 KVA HT S / S, 1 X 250 +
1 X 125 KVA DG Set + 3 MSB + 2 Nos. Lift installation at
No. 14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560 109,
bearing RR No. S5HT-32 - reg .

Ref: Your letter No.ACE/DCEI/BS/AEI(2)/SPOT/2021-22 dtd. 04.01.2022.

With reference to the above, we would like to bring to your kind notice that we have attended all the observations through M/s. Gurupriya Electricals vide your letter cited above.

Thanking you,

[Handwritten Signature]
28/3/22
Deputy Chief Electrical Inspector
Bangalore South
Bangalore

Yours faithfully,

K.S. Institute of Technology

[Handwritten Signature]
SECRETARY



Gurupriya Electricals

Govt. Licenced Class-1 Electrical Contractor

Mobile : 98455 73344

Sridhar Building, 5th Cross
Rajiv Gandhi Road, Jaragahalli
Kanakapura Main Road, Bangalore - 560 078

Date: 15.03.2022

To

The Deputy Chief Electrical Inspector,
Bangalore South,
No.53/2, 2nd Floor, Bull Temple Road,
Basavanagudi,
Bangalore-560 019.

Sir,

Sub:- Periodical inspection of 1 x 250 KVA HT S/S, 1x250 + 1x125 KVA DG Set + 3 MSB + 2 Nos. Lift installation at No.141, Raghuvanahalli, Kanakapura Main Road, Uttarahalli, Bangalore-560061, bearing RR No.S5HT-32 - reg.

Ref:- Your letter No.ACE/DCEI/BS/AEI(2)/SPOT/2021-22 dated 04.01.2022.

With reference to the above, I would like to bring to your kind notice that I have attended all the observations vide your letter cited above.

1. Transformer oil has been got tested for its dielectric strength and acidity test and report furnished.
2. Approval copy of HT, DG, MSB, Lift have been furnished.
3. Lift Licence renewal copy has been furnished.
4. Transformer HV/LV insulation resistance has been measured and test results furnished.
5. Silica gel in the transformer breather has been reactivated.
6. HT/LT Cable size, direction of flow of current has been indicated on the transformer terminal box and cable raises at the DP structure and also bus duct size has been labelled.
7. All cable routes have been clearly demarcated with route indicators of permanent type and no structure or building has been put up over the cable route.
8. Anticlimbing devices has been provided around the Transformer yard at about 2.5 m above ground level and earthed suitably.
9. A surface layer of crushed stone jelly of 25 to 40 mm thick has been provided in the yard upto a depth of 80 mm to 150 mm to retard evaporation of moisture.
10. Rusted bolts/nuts of all earth pits have been replaced and all earth have been labelled.
11. Approval copy of Transformer has been furnished.
12. All incomer and outgoing circuits/feeders have been legibly labelled.
13. Cable tray has been provided and cables have been taken through cable tray only to avoid overlapping of cables and earthing has been done.
14. ELR has been provided at main LT panel.
15. Cable gland earthing has been provided.
16. Safety equipments such as First Aid Box, Rubber Hand Gloves and Fire Extinguishers have been maintained.
17. Approved drawings and copy of approval of HT, DG set installations have been displayed in the switchgear/HT room.

Contd...2.

18. DG Set approval copy has been furnished.
19. Calibration report of current transformer and energy meter has been furnished.
20. Asbestos rope has been wound to the Exhaust pipe of DG set.
21. 9% Advolorem tax for sale of energy is being paid at the prescribed rate for the stipulated period.
22. AMC between the lift agency has been furnished along with the report on working condition of safety limit switches and governor overspeed and copy furnished.
23. Trained lift operator has been appointed and names provided.
24. All the earth pits have been maintained and labelled.
25. Lift Licence copies have been furnished.
26. Lightening arrester has been provided on top of the building and earthed.
27. Aviation lamp has been provided on top of the building.
28. All the floorwise ELCBNs have been checked and keep them in working condition.
29. MS Building approval copy has been furnished.
30. ELR has been provided for utility panel.
31. Megger test results of Transformer/Generator/Lift motor winding have been furnished.
32. Instruction chart for restoration of person suffering from electric shock has been displayed at switchgear/generator room.
33. List of Authorised persons of your electrical installation under direct supervision of person holding competent permit has been displayed in switchgear/generator room.
34. Approved drawings and copy of approval of HT/DG set installations have been displayed in switchgear/generator room.
35. All parts of electrical equipments have been earthed with two separate distinct connections with earth using suitable size of earth lead.
36. Suitable capacity 30 mA sensitivity ELCB has been provided for each individual circuits with load 5 KW and above.
37. Full length MV grade rubber mats have been spread in front of all LT panels/DG panel boards.
38. A danger notice plate in Hindi or English and local language of the district with a sign of skull and bones with appropriate voltage level has been fixed at the entrance of transformer yard/DG room.
39. List of authorised persons of electrical installation holding competent permit has been displayed at switchgear/generator room.
40. Trained lift operator names have been furnished.
41. Latest month e-Tax on DG units paid receipt and G form copy furnished.
42. Single line diagram of complete electrical installation clearly showing BESCO supply, DG sets supply, bus coupler arrangements and etails of individual loads their cable size, protection provided and individual panel location and earth pits location has been approved separately.
43. Floorwise LT load approval has been obtained.

Thanking you,

Yours faithfully,
For Gurupriya Electricals

H.P. Zampoo

Proprietor