

**Government of Karnataka
(Electrical Inspectorate)**

Form-19- See Sub-Rule (1) of Rule 10 Mobil No: 9620139890 (EI)
(Periodical Inspection Observation Letter)

No: DOEI/ACEI /EI/BN/PI/Spot/2022-23/

To,

MIR ACE Manufacturing Sys Ltd.,
Plot no: 467-469, 12th Cross,
4th Phase, PIA, Bloce

Ph No-080-23420022

EMAIL: dceibn.blr@gmail.com O/o

Additional Chief Electrical Inspector,

Bangalore North,

No: 2/3 & 2/4, Aragini Bhavana, 1st Floor,

Dr. Rajkumar Road, Rajajinagara,

Bengaluru-5600010.

Dated: 26/09/2022.

Sir,

Sub: Periodical Inspection of your Electrical Installation having 1x1250 KVA,
11KV/433V HT Substation, 2x500 + 1x250 + 500VA KVA, 415V DG Set + 2 No. of
Lifts at your Premises as per Central Electricity Authority (Measures relating to Safety and Electric Supply)
Regulations, 2010 & Karnataka Electrical Inspectorate (Powers, Functions and levy of fees) Rules, 2018
bearing BESCOM R.R No : Reg:-

Ref: 1. Government Notification No: EN 245 EBS 2014, Dated: 19/01/2015

2. Government Notification No: EN 300 EBS 2015, Dated: 07/12/2018

RR No: NJHT-463

The periodical inspection of the electrical installation of your Premises was carried out by the undersigned on 26/09/2022, as per the provisions of Regulation No: 30 of Central Electricity Authority (Measures relating to safety & Electric supply) Regulations 2010 & Rule-10 of Karnataka Electrical Inspectorate (Powers, Functions and levy of fees) Rules, 2018. 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 the compliance to undersigned through Super Grade/ Class-I Licensed Electrical Contractor & lift agency. Failing which, your installation will be disconnected under Sub-Regulation (5) of Regulation 30 of Central Electricity (Measures relating to Safety and Electric Supply) Regulations, 2010.

Further, periodical inspection fee of ₹ 22,900/- (Twenty Two thousand & Nine hundred only) shall be paid to Government Khajane through online <https://k2.karnataka.gov.in> (D.D.O Office: Electrical Inspectorate Circle office Bengaluru North, Bengaluru & D.D.O Code: 193560) towards Fee for the Inspection of Electrical installation under the Budget Head Non- Plan, 0043-00-102-0-01 as per the rule-10 of Karnataka Electrical Inspectorate (Powers, Functions and levy of fees) Rules, 2018. (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: Fee, Sub Purpose → Periodical Inspection Fee → add → then select mode of payment)

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 [Attend ticked (✓) item only] : Transformer Yard:

1. Transformer oil test results and megger results shall be furnished. **R-12 MRS&ES 2010**
2. Silica gel in the breather shall be replenished or shall be reactivated. (HT Yard) **R-12 of MRS&ES 2010**
3. 40 mm 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-44 of MRS&ES 2010**
4. Oil Leakage in the transformer shall be stopped immediately & Oil level shall be topped up.
5. Rusted parts of the DP structure, fence and that of the Transformer body shall be painted with antirust paint.
6. Cable trenches inside the HT Substation & Switching station shall be filled with dry sand or shall be completely covered with non-inflammable slabs. **R-44(xiii) of MRS&ES 2010**
7. 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.
8. HT Maintenance register shall be kept duly entering the earth results once in 3 months and megger test result and major break down and same shall be maintained and produced at the time of inspection.

D.G SET (Karnataka Electricity (Taxation on Consumption) Act 1959/ rules, 2014)

9. Unwanted & Fire catching materials stored/dumped in front of the LT panels/ D.G set shall be removed & Clear space of one meter shall be left in front of switch board panels. **R-37 of MRS&ES 2010**
10. Fresh Calibration certificates of the Energy meter and CT's provided for the D.G sets/ Protective relays, ACB, & metering instruments shall be furnished. **R-12 of MRS&ES 2010**
11. Monthly Returns of assessment in Form-G details of units generated from individual D.G sets, Consumption & Sold shall be regularly furnished. **Rule-05 of Karnataka Electricity (Taxation on Consumption or sale) rules 2014.**

ACE MANUFACTURING SYSTEMS LTD.,

Plot No. 467 to 469, IV Phase, 12th Cross, Peenya Industrial Area,
Bangalore – 560 058. INDIA. Tel: 2836 0508 to 0512
Fax: (0091-080) 2836 2791 E-Mail: helpdesk@amsindia.com

AMS

To,

Additional Chief Electrical Inspector,
Bangalore North
NO; 2/3 & 2/4, Aragini Bhavana.1st floor
Dr. Rajkumar Road,
Bangalore-560010.

09/09/2022

Dear Sir,

Subject: - Compliance report

Reference: - NO: DOEI/ACEI/EI/BN/PI/Spot/2022-23/26-07-2022

Received copy
Vaithalini N
13/9/22
Electrical Inspector
Bengaluru North,
Bengaluru.

With Reference to the above we hereby confirm that the observations are pointed out by you vide your inspection report have been rectified through the super Grade Electrical licensed contractor M/s Vishwa electrical and compliance report is enclosed beside we have already paid the inspection fees of Rs 22,900/-vide your challan No: CR0922004300197821 Date: 07/09/2022

Encloses:

Transformer Sub-station

1. The transformer oil shall be got tested and test certificate shall be furnished
2. Cable trenches inside the HT substation filled with Dry sand.
3. HT/LT cable route markers size, voltage class & direction of current flow shall be indicated on the transformer terminal box.

DG set/ Switchgear Capacity

4. The Energy meter and CTs shall be got calibrated and test reports to be furnished.
5. The books of account to be kept shall be under section 5 of the Karnataka electricity (Taxation on consumption or sale) Act 1959 in form –F containing all the particular as shown in the form (refer the Karnataka electricity (Taxation on consumption or sale) Rule ,2014
6. The monthly return in form G shall be field in duplicate to the inspection officer with one copy the district within a period of 30 days from end of the consumption month, showing all the particular failing which you are liable punished with a penalty of Rs5000/-and also electricity tax @ (20) paisa on captive consumption of electricity generated by captive generating plant having total installed capacity 500KVa with effect from 19th July 2019 Govt Notification No: EN 106 EBS 2018 dated 19.07.2018 published in Karnataka gazetteer on 21st July 2018 (interest @ 15% per annum to be paid for delayed payment of tax).



TEST REPORT FOR TRANSFORMER OIL

Filtration Date :28-08-2022

Due Date : 27-08-2023

Plant Name : M/s. ACE MANUFACTURING SYSTEMS LTD.
Plot# 467 to 469, 4th Phase, 12th Cross,
Peenya Industrial Area,
Bengaluru:560058

Location: HT YARD

Rating : 1250kVA TRANSFORMER

Transformer Details:

Make:	UNIVERSAL	Qty of Oil:	1075 liter
SINO:	OMDB019/10001	HV/LV Ratio:	11000/433
Rating:	1250KVA	Year of Mfg:	2005

Results as per Di-Electric Strength Test Conforming to IS 335

TRANSFORMER:

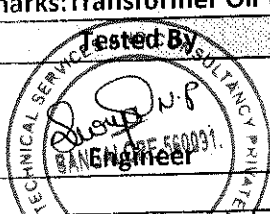
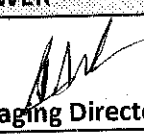
Sample 1: Flashed at 30 KV [Before Filtration]
Sample 2: 62KV for 60 Sec Withstood at 68KV [After Filtration]
OLTC:

Sample 1: Flashed at 29 KV [Before Filtration]
Sample 2: 60KV for 60 Sec Withstood at 65KV [After Filtration]

Standard Used:

SI No	Nomenclatures	Make	Instrument No	Traceability	Validity
1	Oil BDV Test Kit	S.K.H.V. Equipments	116/12-A	MKS CALIBRATION	07-12-2022

Remarks:Transformer Oil Tested Good

Tested By	for Customer	For UNI POWER
 Engineer	Representative	 Managing Director

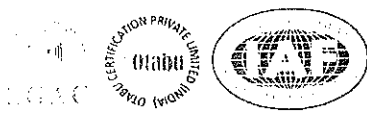
GSTIN : 29AABCU3230A1ZV

AN ISO 9001 - 2015 CERTIFIED COMPANY

#47/2, A, Kachohalli Village, Dasanapura Hobli, Magadi Main Road,
Bengaluru-560091, Karnataka, INDIA.

Mob: +91 9742387774 / 9742487774 Ph: +91 80 29770736

E-mail: marketing@unipts.com / contact@unipts.com Web: www.unipts.com





POWER SOLUTIONS

Testing and Commissioning Engineers
Class - 1 Electrical Contractor

No. 9/42, 16th Cross, 11th Main
Padmanabha Nagar
Bangalore - 560 070
Telefax : 080 - 26391244
Mobile No. : 98456 72788
Email : powersolutions.1@rediffmail.com

TEST REPORT FOR KWH METER

Cal. Date : 06 - 09 - 2022

Due Date : 05 - 09 - 2023

Page No. : 1/1

Plant : M/s. AMS BHARGAVA MACHINING PRIVATE LIMITED,
No. A - 153 & A - 154, 2nd C Main Road, 2nd Stage, Peenya Industrial Estate,
Bangalore - 560 058.

Location :: DG Room

System : 250 KVA DG AMF Control Panel

Tested Instrument Details :

Make	PROK DV's
Type	PDM9022, 3 Ph, 4 W
Class	1.0
Sl. No.	HEM0293P4077

Current	3 x - / 5 A
Voltage	3 x 240 V
Meter Constant	1.0
Initial Reading	00212.2
Final Reading	00213.2

Standard Used :

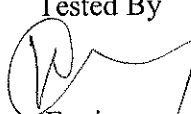

Sl. No.	Nomenclatures	Make	Inst. No.	traceability	Validity
1.	Phantom Load Kit	Ananda Jyothi	25406	(Source)	--
2.	Calibrator	Couzerv	215722/75-3811	EIC	Dec-22

Test Results :

Load in %	Test Meter Reading in KWH	Standard Meter Reading in KWH	% Error Observed	% Error Allowable
100	0.5	0.496	0.80	1.0
50	0.3	0.298	0.66	1.0
10	0.2	0.199	0.50	1.0

NOTE : Connected to a CTR of 400/5 Amps. So, No of Units = KWH Reading x CTR (80) x 1.0.
So, Multification Factor = 80.

Remarks : Tested at UPF, KWH Meter Tested Good.

Tested By  Engineer	for Customer Representative	for Power Solutions  Partner
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