



Bangalore Electricity Supply Company Ltd.

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HT Rating Report

2874

No. EE MT / AEE(O) / BRAZ / AEE HTR /

Reduction of load

Office of the
Executive Engineer (Ele.),
MT Division, BRAZ, BESCOM
3rd Floor, Crescent Tower
Bangalore - 560 001.

To,
The Asst. Executive Engineer (Ele.),

6000 kVA - 1000 kVA = 5000 kVA

Jigani O&M Sub-Division

CTR 300/1 by 250/1A

BESCOM, *Jigani*

M.C 30,000 to 25,000

Date *4/9/25*

Sir,

Subject : Rating Report of HT / EHT Installation

The H.T. Installation having the following details has been rated for periodical rating / complaint on *4/9/25*.
You are requested to take action on the observations and advices recorded in the report. Compliance report shall be sent to this office on the observations pointed out in the report. Details are furnished in the Annexure enclosed.

1. DETAILS OF H.T. INSTALLATION :

Previously rated on *19/8/25*

R.R. No. *AKLHT-288* CD *6000-1000* KVA. Meter Constant *30000/25000* Activity.....

Name & Address of the Consumer.....
CIE AUTOMOTIVE INDIA LIMITED
(BILL-FORGE-DIVISION)
PLANT-2, Plot No. 98-L & M,
KIADB Industrial Area, Phase-2,
Jigani, Bengaluru-560105.

2. OBSERVATION & ADVICE ON TECHNICAL MATTER :

The installation both main & check meters are calibrated before & after replacement of CT's on account of reduction of load as per

3. ADVICE ON REVENUE MATTER : *the request Ltr Ref: AEE/JGN/AET/2578*

the error recorded found to be within permissible limits.

new MC = 25000

new CD = 5000 kVA

4. DOWNLOADED TATA ANALYSIS ENCLOSED : YES / NO.

Summary of analysis if rated against complaint.....

Yours faithfully,

Himalaya

Asst. Executive Engineer (Ele.),

HT Rating Sub Division, *R/S*

BRAZ, BESCOM, Bangalore.

Copy for kind information to :

1. The Executive Engineer Ele., MT Division, BRAZ, Bangalore.

2. Executive Engineer Ele, O&M *Chandapura*

In case of discrepancies :

Chief Engineer Ele., BRAZ, B'lore.

Superintendent of Police, Vigilance

Accounts Officer, Internal Audit.

ANNEXURE

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DETAILS OF SEALS :

AKLHT-288

2874 Reduction of lead

R.R. No.

Sl. No.	Seals Provided to	Sl. No. of Seals Found		Sl. No. of Seals Left	
		Lead	Plastic	Lead	Plastic
1.	M.C. of Meter	BMC01055/ A74052	BMC01054/ CA74669		
2.	TC of Meter	BR2R 00210	BR23324		
3.	M.D. Reset Knob	BR 70268	BR 70270	BRM1423667	BRM1423669
4.	Optical Port				
5.	T.T.B.	BRM1423530	BRM1423537	BRM1423668	BRM1423670
6.	Meter Chamber Main Door	BRM1423538		BRM1423671	
7.	Meter Reading Window				
8.	C.T. / P.T. Chamber	BR2A 61128		BRM23672	
9.	Cable Entry Chamber	BR2A 61129		BRM1423673	
10.					
11.					

DETAILS OF THE EQUIPMENTS :

- a) Cubicle Type : Cable Entry / 6 bushing / 3 bushing / LBS. Make..... AS SL. No. Existing
- b) Cubicle Conditions & Location..... Good
- c) Supply side G.O.S. : In Service / Direct / Removed
- d) Lightning Arrestor - Provided / Not Provided

DETAILS OF CTs / PTs :

	Existing	After Replacement	Existing	After Replacement
Make	Kalpa	Kalpa	Kalpa	
Type	WP	WP	Earthed	
Class	0.2	0.25	0.2	
Insulation Level	15/38/95	15/38/95	15/38/95	
Burden	2.5	2.5	2.5	
Ratio Available	300/1.1	250/1.1A	11KV/53/11KV/53	
Ratio Connected	300/1.1A	250/1.1A	—	
Sl. No. 1.	157257	561865	181153	
2.	157256	561866	181154	
3.	157258	561867	181155	

DETAILS OF METERS :

ETV Meter

	Main Existing	check After Replacement
Make	LHT	LHT
Type	WR300BB/11KAR	
Class	0.25	
Voltage	3X13.5	5
Ampere	1A	
Pulse / Unit	500.00	
Dial Constant	1	
Sl. No.	16094286	16094296

MULTIPLYING CONSTANT FOR BILLING (Kwh. Kvah. Kva) :

$$\frac{\text{PT Ratio} \times \text{CT Ratio} \times \text{Dial Constant}}{\text{Meter PT Ratio} \times \text{Meter CT Ratio}} = \frac{300/1 \times \frac{11kV}{\sqrt{3}} / \frac{110V}{\sqrt{3}}}{300000} = 2874$$

2874
check
METER

A. CALIBRATION DETAILS :

CALIBRATOR

- Voltage V₁, V₂, V₃
- Current I₁, I₂, I₃
- P.F. / KW
- Sequence

60.20 60.20 60.43
0.432 0.441 0.455
0.0809
F-2

60.23 59.96 60.22
0.478 0.472 0.479
0.0888
F-2

B. CALIBRATION DATA :

KVAH /

KVARH

- Reading of Test Meter
- Reading of Reference Meter
- Percent Error

MTE
0.121%

MTE
0.128%

- C. VOLTAGE MEASURED at a) RY YB BR
b) RG YG BG

METER READINGS :

A. Cumulative Parameter

Existing

After Replacement

- Time, Date, Month, Year 1/9/25 @ 11:24
- Demand with elapsed time C₁ 1126.85
- Self diagnostic condition C₂ 2271.64 ok good
- Present KVA, PF C₃ 1050.96 0.0147
- Cumulative KWH C₄ 2025.12 6480.59

- Time, Date, Month, Year 1/9/25 @ 11:28
- Demand with elapsed time C₁ 1126.85
- Self diagnostic condition C₂ 2271.64 ok good
- Present KVA, PF C₃ 1050.96 0.0150
- Cumulative KWH C₄ 2025.12 6481.04

B. BILLING PARAMETERS :

- Billing KWH
- Billing KVA
- Billing PF (Universal TOD)
- MD Reset Count
- MD Reset Manual / Automatic on

6475.10
0.1276
0.976
12
Auto

6475.55
0.1276
0.976
12
Auto

CONSUMER EQUIPMENT DETAILS

- Transformer Make R₁ 1126-03
- Capacity B₂ 2275.56
- Vector Group B₃ 1050.10
- D.G. Set Capacity B₄ 2023.40

- Voltage Class
- Current
- SI. No.

THE AUTOMOTIVE INDIA LIMITED
(BILL FORGE-DIVISION)

Consumer's Representative Signature
KIAS Industrial Phase-2,
Jigani, Bengaluru-560105.

Asst. Executive Engineer (Ele.),
HT Rating Sub Division, R/S
BRAZ, BESCOM, Bangalore.

MULTIPLYING CONSTANT FOR BILLING (Kwh. Kvah. Kva) :

$$\frac{\text{PT Ratio} \times \text{CT Ratio} \times \text{Dial Constant}}{\text{Meter PT Ratio} \times \text{Meter CT Ratio}} = \frac{250/1 \times 11\text{KV}/\sqrt{3}/110\text{V}/\sqrt{3}}{25000} = 2875$$

main
CALIBRATOR

chook
METER

A. CALIBRATION DETAILS :

a. Voltage V ₁ , V ₂ , V ₃	62.59 62.25 62.49	62.99 62.74 62.96
b. Current I ₁ , I ₂ , I ₃	0.135 0.134 0.146	0.144 0.138 0.150
c. P.F. / KW	0.0255	0.0268
d. Sequence	For	For

B. CALIBRATION DATA :

	KVAH /	KVARH
a. Reading of Test Meter		
b. Reading of Reference Meter	MTE	MTE
c. Percent Error	0.120%	0.125%

C. VOLTAGE MEASURED at a) RY YB BR
b) RG YG BG

METER READINGS :

A. Cumulative Parameter	Existing	After Replacement
a. Time, Date, Month, Year	12:51 on 4/9/25	12:54 on 4/9/25
b. Demand with elapsed time	1126.85	
c. Self diagnostic condition	OK good	OK good
d. Present KVA, PF	1050.96	
e. Cumulative KWH	2025.12	6480.59

B. BILLING PARAMETERS :

a. Billing KWH	6480.59	6481.04
b. Billing KVA	0.9974	0.9970
c. Billing PF (Universal TOD)	0.977	0.977
d. MD Reset Count	13	13
e. MD Reset Manual / Automatic on	manual	manual
	0.0000	0.0000

CONSUMER EQUIPMENT DETAILS

a. Transformer Make	1126.85	b. Voltage Class	
c. Capacity	2277.64	d. Current	
e. Vector Group	B3 1050.96	f. Sl. No.	
g. D.G. Set Capacity	2025.12		

Selvan B.
CIE AUTOMOTIVE INDIA LIMITED
Consumer's Representative Signature
PLANT-2, With Seal 98-L&M,
KIADB Industrial Area, Phase-2,
Jigani, Bengaluru-560105.

Hemalatha
Asst. Executive Engineer (Ele.),
HT Rating Sub Division, R/S
BRAZ, BESCOM, Bangalore.