



Bangalore Electricity Supply Company Ltd.

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Format F-09-14

HT Rating Report

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

To,

The Asst. Executive Engineer (Ele.),

O&M Sub-Division

BESCOM, *Pirgani*

*Replacement of 10126
Suitable CT 18*

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

Date... *26/8/25*

Sir,

Subject : Rating Report of HT / EHT Installation

The H.T. Installation having the following details has been rated for periodical rating / complaint on *26/8/25*.
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 :

R.R. No. *AKLHT-622* CD *160*

Previously rated on *18/10/25*
Meter Constant *500 to 1000* Activity *HT 2(A)*

Name & Address of the Consumer.....



2. OBSERVATION & ADVICE ON TECHNICAL MATTER :

The installation meter is calibrated, before & after replacement of CTs the error recorded found to be within

3. ADVICE ON REVENUE MATTER :

*permissible limits.
The existing CT's of ratio 5/1 are not suitable to carry sanctioned load of 150 kVA, hence the CT's of ratio 5/1 A are replaced by 10/1 A. Now new MC = 1000*

4. DOWNLOADED TATA ANALYSIS ENCLOSED : YES / NO.

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

Yours faithfully,

Hemalatha

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* Division, BESCOM, *Chandapura*

In case of discrepancies :

3. Chief Engineer Ele., BRAZ, B'lore.

4. Superintendent of Police, Vigilance

5. Accounts Officer, Internal Audit.

1. DETAILS OF SEALS : AKLHT-622

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		BMC 16907/		} Retained
2.	TC of Meter		AG 76012		
3.	M.D. Reset Knob		BRAZA53145		
4.	Optical Port		BRAZA56750		BRM1424418
5.	T.T.B.				
6.	Meter Chamber Main Door		BRM1424087		BRM1424419
7.	Meter Reading Window		BRM1424088		BRM1424420
8.	C.T. / P.T. Chamber				
9.	Cable Entry Chamber		BRM1424089		BRM1424421
10.			BRAZ801237		Retained
11.					

2. DETAILS OF THE EQUIPMENTS :

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

3. DETAILS OF CTs / PTs :

	Existing	After Replacement	Existing	After Replacement
1. Make	<u>Paral</u>	<u>Kalpa</u>		
2. Type	<u>WP</u>	<u>WP</u>		
3. Class	<u>0-2</u>	<u>0-2</u>		
4. Insulation Level	<u>15/38/95</u>	<u>15/38/95</u>		
5. Burden	<u>2.5</u>	<u>2.5</u>	<u>AS Existing</u>	
6. Ratio Available	<u>5/1A</u>	<u>10/1A</u>		
7. Ratio Connected	<u>5/1A</u>	<u>10/1A</u>		
8. Sl. No. 1.	<u>M/CT 0.15727</u>	<u>234870</u>		
2.	<u>m/CT 0.15728</u>	<u>234873</u>		
3.	<u>m/CT 0.15729</u>	<u>234883</u>		

4. DETAILS OF METERS :

ETV Meter

	Existing	After Replacement
a. Make	<u>LAT</u>	
b. Type	<u>WR300BRUKARS</u>	
c. Class	<u>0-21</u>	
d. Voltage	<u>3x63.5</u>	
e. Ampere	<u>1A</u>	
f. Pulse / Unit	<u>50000</u>	
g. Dial Constant	<u>1</u>	
h. Sl. No.	<u>21008602</u>	

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

$$\frac{\text{PT Ratio} \times \text{CT Ratio} \times \text{Dial Constant}}{\text{Meter PT Ratio} \times \text{Meter CT Ratio}} = \frac{5/1 \times \frac{11\text{KV}}{3} / \frac{110\text{V}}{3}}{5/1 \times \frac{11\text{KV}}{3} / \frac{110\text{V}}{3}} = 500$$

10126

6. A. CALIBRATION DETAILS :

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

10/1 x 11KV / 110V = 1000
CALIBRATOR
60.51, 60.54, 60.05
1.009, 1.015, 1.0172
0.881 | 0.1758
P/Q

After
METER

60.80 62.42 61.88
0.114 0.110 0.119
0.221 | 0.749
P/Q

B. CALIBRATION DATA :

- a. Reading of Test Meter
- b. Reading of Reference Meter
- c. Percent Error

KVAH /

KVARH

MTE
0.126%

-MTE-
0.121%

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

7. METER READINGS :

A. Cumulative Parameter

- a. Time, Date, Month, Year
- b. Demand with elapsed time
- c. Self diagnostic condition
- d. Present KVA, PF
- e. Cumulative KWH

Existing
24/11/25 @ 12:10
okt good
0.1998 | 0.881
2263.328

After Replacement
24/11/25 @ 13:10
okt good
0.0221 | 0.749
2263.328

B. BILLING PARAMETERS :

- a. Billing KWH
- b. Billing KVA
- c. Billing PF (Universal TOD)
- d. MD Reset Count
- e. MD Reset Manual / Automatic on

2211.721
0.8339
0.846
53
Auto

2263.328
0.2044
0.841
54
Manual

8. CONSUMER EQUIPMENT DETAILS

- a. Transformer Make.....
- b. Voltage Class
- c. Capacity AS Existing
- d. Current AS Existing
- e. Vector Group
- f. Sl. No.
- g. D.G. Set Capacity.....



Consumer's Representative's Signature
with Seal

Muralidhar

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