



Bangalore Electricity Supply Company Ltd.

Page 1 of 3
Format F-09-14

HT Rating Report

2913

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

To,
The Asst. Executive Engineer (Ele.),
Jigani O&M Sub-Division
BESCOM, Jigani

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

Date 13/10/25

Sir,

AKLHT - 769
Add load
Exi + Add = Total
150 + 180 = 320 kVA
CTR 7.5/1 by 20/1 + MC = 750 to 2000
Subject : Rating Report of HT / EHT Installation

The H.T. Installation having the following details has been rated for periodical rating / complaint on 13/10/25
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-769 CD 170 + 150 = 320 KVA.

Previously rated on 4/2/25
Meter Constant 750 to 200 Activity HT & AJ

Name & Address of the Consumer.....



2. OBSERVATION & ADVICE ON TECHNICAL MATTER:

The Installation meter is calibrated before and after replacement of CT's on account of addl load, the error recorded found to

3. ADVICE ON REVENUE MATTER : be within permissible limits

New CD = 320 kVA

MC = 2000

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 :

- Chief Engineer Ele., BRAZ, B'lore.
- Superintendent of Police, Vigilance
- Accounts Officer, Internal Audit.

DETAILS OF SEALS :

AKLH-769

2913

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		C090962/E507864		} Relative
2.	TC of Meter		BR2B60998		
3.	M.D. Reset Knob		BB25163		BRM1424022
4.	Optical Port				B
5.	T.T.B.		BR2B33466		BRM1424023
6.	Meter Chamber Main Door		BR2B33467		BRM1424024
7.	Meter Reading Window				
8.	C.T. / P.T. Chamber		BR259757		BRM1424025
9.	Cable Entry Chamber		BR2B33468		BRM1424026
10.					
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>Kalpa</u>	<u>Kalpa</u>	<u>Kalpa</u>	
2. Type	<u>TP</u>	<u>TP</u>	<u>Earthed</u>	
3. Class	<u>0.2</u>	<u>0.25</u>	<u>0.2</u>	
4. Insulation Level	<u>15/38/95</u>	<u>15/38/95</u>	<u>15/38/95</u>	
5. Burden	<u>2.5</u>	<u>2.5</u>	<u>2.5</u>	
6. Ratio Available	<u>7.5/1A</u>	<u>20/1A</u>	<u>11kV/15/110V/15</u>	
7. Ratio Connected	<u>7.5/1A</u>	<u>20/1A</u>	<u>See</u>	
8. Sl. No. 1.	<u>30068</u>	<u>7289</u>	<u>30978</u>	
2.	<u>30069</u>	<u>7290</u>	<u>30979</u>	
3.	<u>30070</u>	<u>7291</u>	<u>30980</u>	

4. DETAILS OF METERS :

ETV Meter

	Existing	After Replacement
a. Make	<u>LEIT</u>	
b. Type	<u>WR300BB11K4RS</u>	
c. Class	<u>0.25</u>	
d. Voltage	<u>3X63.5</u>	
e. Ampere	<u>1</u>	
f. Pulse / Unit	<u>50000</u>	
g. Dial Constant	<u>1</u>	
h. Sl. No.	<u>14191606</u>	

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

$$\frac{\text{PT Ratio} \times \text{CT Ratio} \times \text{Dial Constant}}{\text{Meter PT Ratio} \times \text{Meter CT Ratio}} = \frac{20/1 \times \frac{11\text{KV}}{\sqrt{3}} / \frac{110}{\sqrt{3}}}{1} = 2000$$

2913

6. A. CALIBRATION DETAILS :

	Before CALIBRATOR	After CT repla METER
a. Voltage V ₁ , V ₂ , V ₃	62.60, 62.60, 62.50	63.23, 63.61, 63.56
b. Current I ₁ , I ₂ , I ₃	0.716, 0.790, 0.805	0.109, 0.108, 0.118
c. P.F. / KW	0.903 / 0.1381	0.933 / 0.0195
d. Sequence		

B. CALIBRATION DATA :

	KVAH /	KVARH
a. Reading of Test Meter		
b. Reading of Reference Meter	- MFE -	- MFE -
c. Percent Error		

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

7. METER READINGS :

A. Cumulative Parameter

	Existing	After Replacement
a. Time, Date, Month, Year	13/10/25 @ 11:11	13/10/25 @ 12:47
b. Demand with elapsed time		
c. Self diagnostic condition	ckt good	ckt good
d. Present KVA, PF	0.1521 / 0.903	0.0208 / 0.933
e. Cumulative KWH	1705.25	1705.25

B. BILLING PARAMETERS :

a. Billing KWH	1693.25	1705.25
b. Billing KVA	0.1680	0.1507
c. Billing PF (Universal TOD)	0.914	0.896
d. MD Reset Count	40	41
e. MD Reset Manual / Automatic on	Auto	Manual

8. CONSUMER EQUIPMENT DETAILS

a. Transformer Make	Vijay Power control system Pvt Ltd	b. Voltage Class	11KV / 433
c. Capacity	500 KVA	d. Current	26.29 / 666.48
e. Vector Group	DYN11	f. Sl. No.	XX5001 / 1560
g. D.G. Set Capacity			

Consumer's / Representatives Signature
with Seal



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