



Bangalore Electricity Supply Company Ltd.

Page 1 of 3
Format F-09-14

HT Rating Report **12009**

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

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

CDPHT-212

Replacement of dual
ratio CT's to single
ratio CT's.

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

Date **30/7/25**

Sir,

Subject : Rating Report of HT / EHT Installation

The H.T. Installation having the following details has been rated for periodical rating / complaint on **30/7/25**.
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. **CDPHT-212** CD **150** KVA. Meter Constant **New MC=150** Activity **HT2(a)**
Name & Address of the Consumer.....
Previously rated on **9/12/24 (C)**
Connected CTR **5/5A** New CTR **7.5/5A**
Old MC **100**



2. OBSERVATION & ADVICE ON TECHNICAL MATTER :

The installation is having dual ratio CT's of 10-5/5A and connected ratio is 5/5A which is less than existing CD of 150 KVA. Hence

3. ADVICE ON REVENUE MATTER :

Consumer has requested to change the CT's of single ratio in previous rating. Accordingly the suitable ratio of 7.5/5A CT's are fixed and meter is calibrated the error recorded found to be within permissible limit.

4. DOWNLOADED TATA ANALYSIS ENCLOSED : YES / NO.

Summary of analysis if rated against complaint.....
New CTR-7.5/5A
New MC = 150

Yours faithfully,

Kemalabtes

Asst. Executive Engineer (Ele.),

HT Rating Sub Division, **RLS**

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.

12009

1. DETAILS OF SEALS :

CDPHF-212

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		BRA2B224401		
2.	TC of Meter		25871450		
3.	M.D. Reset Knob		BRA2B 05646		
4.	Optical Port		BRA2B05647		BRM 1423377
5.	T.T.B.				
6.	Meter Chamber Main Door		BRA2B 33042		BRM 1423378
7.	Meter Reading Window		BRA2B 33043		BRM 1423379
8.	C.T. / P.T. Chamber				
9.	Cable Entry Chamber		BRA2B 33044		BRM 1423380
10.			BRA2B 33045		
11.					

2. DETAILS OF THE EQUIPMENTS :

- a) Cubicle Type : Cable Entry / 6 bushing / 3 bushing / LBS. Make..... AB Existing Sl. No.
- b) Cubicle Conditions & Location Satisfactory
- 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>WP</u>		
3. Class		<u>0.2</u>	<u>0.2</u>	
4. Insulation Level		<u>15/38/05</u>	<u>15/38/05</u>	
5. Burden		<u>25</u>	<u>25</u>	
6. Ratio Available	<u>10-5/5A</u>	<u>7.5/5A</u>	<u>11kV/G / 110V/G</u>	
7. Ratio Connected	<u>5/5A</u>	<u>7.5/5A</u>		
8. Sl. No. 1.	<u>R 448</u>	<u>R 90249</u>	<u>297</u>	
2.				
3.	<u>B 449</u>	<u>B 90248</u>	<u>298</u>	

4. DETAILS OF METERS :

ETV Meter

	Existing	After Replacement
a. Make	<u>Secur</u>	
b. Type	<u>E3V054</u>	
c. Class	<u>0.5S</u>	
d. Voltage	<u>110V</u>	
e. Ampere	<u>1</u>	
f. Pulse / Unit	<u>16000</u>	
g. Dial Constant	<u>1</u>	
h. Sl. No.	<u>020853896</u>	

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

PT Ratio x CT Ratio x Dial Constant

Meter PT Ratio x Meter CT Ratio

$$= 7.5/5 \times \frac{11kV}{\sqrt{3}} / \frac{110V}{\sqrt{3}} = 150 \quad 12009$$

6. **A. CALIBRATION DETAILS :**

a. Voltage V₁, V₂, V₃

b. Current I₁, I₂, I₃

c. P.F. / KW

d. Sequence

~~Before~~
CALIBRATOR

~~After~~
METER

111.18 111.42

110.09 110.50

0.68 0.52

0.29 0.35

0.08 / 0.651

0.05 / - 0.981

Rev

Rev

B. CALIBRATION DATA :

a. Reading of Test Meter

b. Reading of Reference Meter

c. Percent Error

KVAH /

KVARH

sandy

sandy

0.315%

0.318

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~~

After Replacement

30/7/25 @ 17:36

30/7/25

ckt good

ckt good

0.12 / 0.565

0.05 / 1.00

837.25

837.25

B. BILLING PARAMETERS :

a. Billing KWH

b. Billing KVA

c. Billing PF (Universal TOD)

d. MD Reset Count

e. MD Reset Manual / Automatic on

815.50

837.25

0.648

0.739

0.634

0.565

0022

0024

Auto

manual

8. **CONSUMER EQUIPMENT DETAILS**

a. Transformer Make

c. Capacity *AS Existing*

e. Vector Group

g. D.G. Set Capacity

b. Voltage Class

d. Current *AS Existing*

f. Sl. No.

Consumer's / Representative Signature
with Seal



Hemalata

Asst. Executive Engineer (Ele.),

HT Rating Sub Division, *R/S*

BRAZ, BESCO, Bangalore.