



Bangalore Electricity Supply Company Ltd.

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HT Rating Report

12007

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

To,

The Asst. Executive Engineer (Ele.),

Attibele O&M Sub-Division

BESCOM, Attibele

Sir,

Subject : Rating Report of HT / EHT Installation

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

Date: 30/7/25

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-532 CD 600-125 ⁴⁷⁵ KVA / 300 ^{kVA} Meter Constant 3000 to 2500 Activity HT2 (ex)

Name & Address of the Consumer.....

2. OBSERVATION & ADVICE ON TECHNICAL MATTER :

The Installation both main & check meters are calibrated before and after replacement of CT's on account of reduction of load.

3. ADVICE ON REVENUE MATTER :

New CD = 475 ^{kVA} / 300 kwp
MC = 2500

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.

ANNEXURE

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DETAILS OF SEALS : CD PHT- S32 12007

R.R. No.

Sl. No.	Seals Provided to	Sl. No. of Seals Found		Sl. No. of Seals Left	
		M Lead	Plastic	M Lead	Plastic
1.	M.C. of Meter	BMI 37170	BMI 37171	Retained	
2.	TC of Meter	MAE 24600	MAE 24287		
3.	M.D. Reset Knob	BRA2A98330	BRA2A98333		
4.	Optical Port	BRA2B02478	BRA2B02480	BRM1A23370	BRM1A23372
5.	T.T.B.				
6.	Meter Chamber Main Door	BRA2B34820	BRA2B34821	BRM1A23371	BRM1A23373
7.	Meter Reading Window	BRA2B34822		BRM1A23374	
8.	C.T. / P.T. Chamber	BRA298337		BRM1A23375	
9.	Cable Entry Chamber	BRA298338		BRM1A23376	
10.					
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	Kalpa	Kalpa	Paras	
2. Type	WP	WP	Earthed	
3. Class	0-2	0-25	0-2	
4. Insulation Level	15/38/95	15/38/95	15/38/95	
5. Burden	2.5	2.5	25	
6. Ratio Available	30/1A	25/1A	11kV/3/110V/3	
7. Ratio Connected	30/1A	25/1A	CA	
8. Sl. No. 1.	309558	8161	M/PT-007416	
2.	309593	8162/25	M/PT-007417	
3.	309615	8163	M/PT-007418	

4. DETAILS OF METERS :

ETV Meter

	Existing	After Replacement
a. Make	main mtr	check mtr
b. Type	LRT	LRT
c. Class	HR300BB11BEDLMS-2	
d. Voltage	0-25	
e. Ampere	3X63.5	
f. Pulse / Unit	1A	
g. Dial Constant	50000	
h. Sl. No.	1	
	23011149	23011257

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

$$\frac{\text{PT Ratio} \times \text{CT Ratio} \times \text{Dial Constant}}{\text{Meter PT Ratio} \times \text{Meter CT Ratio}} = 2500$$

12007

6. A. CALIBRATION DETAILS :

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

main mtr
CALIBRATOR

63.76, 63.29, 63.44
0.107 0.110 0.150
0.0020 / 0.894
F08

check
METER

63.72, 63.28, 63.32
0.159 0.232 0.258
0.0434 / 0.919
F05

B. CALIBRATION DATA :

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

KVAH /

Sandy
0.118%

KVARH

Sandy
0.125%

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

7. METER READINGS :

A. Cumulative Parameter

- Time, Date, Month, Year
- Demand with elapsed time
- Self diagnostic condition
- Present KVA, PF
- Cumulative KWH

Existing

30/7/25 @ 15:28

After Replacement

30/7/25 @ 15:29

- Demand with elapsed time
- Self diagnostic condition
- Present KVA, PF
- Cumulative KWH

C1 110.355 ckt good
C2 235.354 0.0184 / 0.894
C3 177.712 896.605 / 36.468
C4 373.184

ckt good
0.0454 / 0.919
896.683 / 36.450

B. BILLING PARAMETERS :

- Billing KWH B1 107.132
- Billing KVA B2 228.334
- Billing PF (Universal TOD)
- MD Reset Count B3 171.848
- MD Reset Manual / Automatic on B4 359.962

867.278 / 35.069
0.1345 / 0.0623
1.000 / 0.613
30
Auto

867.344 / 35.053
0.1339 / 0.0626
1.00 / 0.613
30
Auto

8. CONSUMER EQUIPMENT DETAILS

- Transformer Make.....
- Capacity AS Existing
- Vector Group
- D.G. Set Capacity.....

- Voltage Class
- Current AS Existing
- Sl. No.

Consumer's / Representatives Signature
with Seal

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

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

$$\frac{\text{PT Ratio} \times \text{CT Ratio} \times \text{Dial Constant}}{\text{Meter PT Ratio} \times \text{Meter CT Ratio}} = 2500$$

after 12068 replacement

6. A. CALIBRATION DETAILS :

a. Voltage V₁, V₂, V₃

b. Current I₁, I₂, I₃

c. P.F. / KW

d. Sequence

main mtr
CALIBRATOR

check
METER

62.79, 62.35, 62.48
0.683, 0.613, 0.630
0.0965
F.O.

62.92, 62.30, 62.57
0.603, 0.540, 0.556
0.0820
F.O.

B. CALIBRATION DATA :

KVAH /

KVARH

a. Reading of Test Meter

b. Reading of Reference Meter

c. Percent Error

C. VOLTAGE MEASURED at a) RY

YB

BR

b) RG

YG

BG

sandy
0.128%

sandy
0.122%

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 @ 16:30

30/7/25 @ 16:32

C1 110.355

ckt good

ckt good

C2 235.354

0.1094 / 0.869

0.0984 / 0.838

C3 177.712

896.605 / 36.468

896.683 / 36.450

C4 373.184

B. BILLING PARAMETERS :

a. Billing KWH

b. Billing KVA

c. Billing PF (Universal TOD)

d. MD Reset Count

e. MD Reset Manual / Automatic on

B1 110.355

896.605 / 36.468

896.683 / 36.450

B2 235.354

0.1267 / 0.0611

0.1276 / 0.0617

B3 177.712

1.00 / 0.480

1.00 / 0.480

B4 373.184

31

31

manual

manual

8. CONSUMER EQUIPMENT DETAILS

a. Transformer Make

c. Capacity

e. Vector Group

g. D.G. Set Capacity

b. Voltage Class

d. Current

f. Sl. No.

AS Existing

AS Existing

Consumer's / Representatives Signature
with Seal

Humalattar
Asst. Executive Engineer (Ee.),

HT Rating Sub Division,
BRAZ, BESCO, Bangalore.