Bangalore Electricity Supply Company Ltd.

HT Rating Report

246

CDPHT- 356
Additional load
Exi + Addl = Total
25 + 225 = 250 KVA
CTR 2.5/1A by 12.5/1A

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

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

Date 22.4.2025

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

Sir,

Subject : Rating Report of HT / EHT Installation

The H.T. Installation having the following details has been rated for periodical rating / complaint on 22.04.2025
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 :** CTR - 2.5/1A by 12.5/1A

Previously rated on 05.11.2024 (C)

R.R. No CDPHT-356 CD. 25+225=250 KVA. Meter Constant 250 to 1250 Activity. Industry

Name & Address of the Consumer.....

2. **OBSERVATION & ADVICE ON TECHNICAL MATTER :**

The installation meter is calebrated before & after replacement of CT's on account of additional load, the error recorded found to be with in permissible limits.

3. **ADVICE ON REVENUE MATTER :**

New MC = 1250

4. **DOWNLOADED TATA ANALYSIS ENCLOSED : YES / NO.**

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

Yours faithfully,

Hemalatha S
Asst. Executive Engineer (Ele.),
HT Rating Sub Division, Rural South
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

1. **DETAILS OF SEALS :** CDPHT-356 246 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	99	0		
2.	TC of Meter		BRAZB 05842 / PBD07042		
3.	M.D. Reset Knob		BRAZB 01981		
4.	Optical Port		BRAZB 01982		BRAZB 34209
5.	T.T.B.				
6.	Meter Chamber Main Door		BRAZB 32719		BRAZB 34210
7.	Meter Reading Window		BRAZB 32720		BRAZB 34211
8.	C.T. / P.T. Chamber				
9.	Cable Entry Chamber		BRAZB 32721		BRAZB 34212
10.			BRAZB 32722		BRAZB 34213
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	Kalpa	Kalpa	Kalpa	
2.	Type				
3.	Class	0.2S	0.2S	0.2	
4.	Insulation Level	15/38/95	15/38/95	15/38/95	
5.	Burden	2.5	2.5	25	
6.	Ratio Available	2.5/1A	12.5/1A	11KV/√3 / 110/√3	
7.	Ratio Connected	2.5/1A	12.5/1A		
8.	Sl. No. 1.	590587	369405	31.8972	
	2.	590588 / 23	369406 / 24	31.8980	
	3.	590589	369407	31.8997	

4. **DETAILS OF METERS :**

ETV Meter

		Existing	After Replacement
a.	Make	L&T	
b..	Type	WR300BB11KAP1	
c.	Class	0.2S	
d.	Voltage	3X63.5	
e.	Ampere	1A	
f.	Pulse / Unit	50000	
g.	Dial Constant	1	
h.	Sl. No.	21003930	

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

$\frac{\text{PT Ratio x CT Ratio x Dial Constant}}{\text{Meter PT Ratio x Meter CT Ratio}}$ = 12.5/1A × 11kV/√3 / 110V/√3 = 1250

246

6. A. CALIBRATION DETAILS :

	Before ~~CALIBRATOR~~	After ~~METER~~
a. Voltage V1, V2, V3	64.55, 64.72, 63.98	64.25, 64.36, 64.9
b. Current I1, I2, I3	0.063, 0.052, 0.050	0.047, 0.041, 0.042
c. P.F. / KW	0.397 / 0.0039	0.720 / 0.0064
d. Sequence	Fog	Fog

B. CALIBRATION DATA :

	~~KVAH~~ /	~~KVARH~~
a. Reading of Test Meter		
b. Reading of Reference Meter	Sande.	Sandg
c. Precent Error	0.07 %	0.07 %

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	22/4/25 @ 13:09	22/4/25 @ 13:56
b. Demand with elapsed time		
c. Self diagnostic condition	ckt good	ckt good
d. Present KVA, PF	0.0100 / 0.3978	0.0084 / 0.770
e. Cumulative KWH	60.603	60.604
rmd	0.0690	0.0000
rpf	0.851	0.000

B. BILLING PARAMETERS :		
a. Billing KWH	53.853	60.603
b. Billing KVA	0.0551	0.0690
c. Billing PF (Universal TOD)	0.971	0.851
d. MD Reset Count	18	19
e. MD Reset Manual / Automatic on	Auto	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 / Representatives Signature with Seal

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