



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

(Wholly owned Government of Karnataka Undertaking)

No. EEMT/AEE(O)/BRAZ/AEE HTR/

To, The Asst. Executive Engineer (Ele),

O&M Sub-Division.

BESCOM, Melamangala

Sir,

0470212
Replacement of
cubical
CD: 500 KVA
CTR: 25/1A
MC: 2500

Office of the
Executive Engineer (Ele),
MT Division, BRAZ, BESCOM,
3rd Floor, Crescent towers,
Bangalore-560001.

Date 31/03/2025

Subject: Rating Report of HT/EHT Installation.

The H.T. Installation having the following details has been rated for periodical rating/complaint on 31/03/2025. You are requested to take action on the observations and advice 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. 0470212 CD. 500 KVA CTR. 25/1A Previously rated on 15/11/2024 A Meter Constant 2500

Activity Tariff HT/A

Name & Address of the Consumer M/S. Kritti Enterprises plot # 326
Abdumakalli, 3rd Area, D.B. Purva (U)

2. OBSERVATION & ADVICE ON TECHNICAL MATTER:

The installation of meter is before and after the replacement of cubical and found OK. And the meters are records with in the limit

3. ADVICE ON REVENUE MATTER:

CD: 500 KVA De-commission
CTR: 25/1A
MC: 2500
meter: 156W203200

4. DOWNLOADED DATA ANALYSIS ENCLOSED: YES/NO.

Summary of analysis if rated against complaint

ANNEXURE

1. DETAILS OF SEALS:

R.R. No. 0470212

SL. No.	Seals Provided to	Sl. No. of Seals Found Plastic		Sl. No. of Seals Left Plastic	
		Main Meter	Check Meter	Main Meter	Check Meter
1	M.C. of Meter		BMD60486		
2	TC Of Meter		BR12A 88236		
3	M.D. Reset Knob		BR12A 19049		
4	Optical Port				
5	T.T.B		BR12 91255		
6	Meter Chamber Main Door		BR12 91256		
7	Meter Reading Window				
8	C.T./P.T. Chamber		BR12A 19050		
9	Cable Entry Chamber		BR12A 19051		
10	Hologram		M7092453		

2. DETAILS OF THE EQUIPMENTS:

- a) Cubicle Type : Cable Entry / 6 bushing / 3 busing / LBS. Make VYOMA Sl. No. 190224K491
b) Cubicle Conditions & Location good

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

$$MC = \frac{PT \text{ Ratio} \times CT \text{ Ratio} \times \text{Dial Constant}}{\text{Meter PT Ratio} \times \text{Meter CT Ratio}} = \frac{11KV/15/110/15 \times 25/1 \times 1}{1 \times 1} = 2500$$

4. DETAILS OF Ct's/ Pt's:

TWO thousand five hundred only.



	Existing	After Replacement	Existing	After Replacement
1. Make	Kalson	/	VVOM	/
2. Type	1000A	/	1000A	/
3. Class	0.5	/	0.5	/
4. Insulation level	15/25/35KV	As Existing	15/25/35KV	As Existing
5. Burden	2.5VA	/	2.5VA	/
6. Ratio Connected	183466	R	VVP-183466	R
7. Sl.No.	183468	Y	K 9333	Y
	183469	B	K 9333	B

5. DETAILS OF METERS:
ETV Meter

	Existing	After Replacement
a. Make	WR3000 BIKHURS	/
b. Type	0.5	/
c. Class	3x 62.5V	As Existing
d. Voltage	1A	/
e. Ampere	50000	/
f. Pulse / Unit	190002425	/
g. Dial Constant		
h. Sl. No.		

6. A. CALIBRATION DETAILS:

	CALIBRATOR	METER
a. Voltage V1, V2, V3	64.18, 64.33, 64.42	
b. Current I1, I2, I3	1.216, 1.219, 1.241	
c. P.F. / KW	0.962 / 0.2172	
d. Sequence	KYB	
B. % of Error	KVAH/	KVARH
a. Reading of Test Meter	Sand	
b. Reading of Reference Meter	0.0487	
c. Percent Error		

7. METER READINGS :

	Existing	After Replacement
A. Cumulative Parameters		
a. Time Date, Month, Year	12:31 @ 31/03/2015	12:33 @ 31/03/2015
b. Demand with elapsed time	Good	Good
c. Self-diagnostic condition	0.255 / 0.962	
d. Present KVA. PF	4583.51	4583.52
e. Cumulative KWH	633.56	633.56
TOD 1.	1699.01	1699.02
2.	391.88	391.88
3.	1415.04	1415.04
4.		

B. BILLING PARAMETERS :

a. Billing KWH	4463.32	4583.52
TOD 1.	633.56	633.56
2.	1699.01	1699.02
3.	391.88	391.88
4.	1415.04	1415.04
b. Billing KVA	0.2412	0.2589
TOD 1.		
2.		
3.		
4.		
c. Billing PF (Universal TOD)	0.926	0.966
TOD 1.		
2.		
3.		
4.		
d. MD Reset Count	80	81
e. MD Reset Manual/ Automatic On	Auto	Manual
Brail:	4698.21	4812.52

Consumer's / Representative's Signature
With Seal

Asst. Executive Engineer (Elec.)
H.T. Rating Sub-Division (Elec.)
MT Division, BRAZ, BANGALORE.
BRAZ, BESCO,
BANGALORE.



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1. DETAILS OF H.T. INSTALLATION:

R.R.NO. 047P222 CD. 999 KVA CTR. 50/1A Previously rated on 15/11/2024
Activity Tariff. 472.1 A Meter Constant. 5000
Name & Address of the Consumer M. R. K. Enterprises plot # 326
Chadurahalli, 3rd Ave. D. R. Pura (N)

2. OBSERVATION & ADVICE ON TECHNICAL MATTER:

The installation of HTMC wiring, TTB and CT/PT wiring are checked and found that all wiring are in order. Polarity Test conducted and found OK. And the Replacement of cubical and Add'n of

3. **ADVICE ON REVENUE MATTER:** Load done Successfully.
C.D: 999 kVA
C.T: 50/1A
M.C: 5000
Modum: 1154203200

4. DOWNLOADED DATA ANALYSIS ENCLOSED: YES/NO.

Summary of analysis if rated against complaint

ANNEXURE

1. DETAILS OF SEALS:

R.R. No. 047P222

SL.N O.	Seals Provided to	Sl. No. of Seals Found Plastic		Sl. No. of Seals Left Plastic	
		Main Meter	Check Meter	Main Meter	Check Meter
1	M.C. of Meter				
2	TC Of Meter	REM0262951		REM0262950	
3	M.D. Reset Knob	BR12B 88253		BR12B 88256	
4	Optical Port	BR12B 88254		BR12B 88257	
5	T.T.B				
6	Meter Chamber Main Door	BR12B 88255		BR12B 88258	
7	Meter Reading Window	BR12B 88259			
8	C.T./P.T. Chamber				
9	Cable Entry Chamber	BR12B 88260			
10	Hologram	BR12B 88261			
		MT 111305		MT 111304	

2. DETAILS OF THE EQUIPMENTS:

- a) Cubicle Type : Cable Entry / 6 bushing / 3 busing / LBS. Make VYOMA Sl. No. 250334K922
b) Cubicle Conditions & Location Good.

3. MULTIPLYING CONSTANT (MC) FOR BILLING (Kwh, Kvah, Kva) :

$$MC = \frac{PT \text{ Ratio} \times CT \text{ Ratio} \times \text{Dial Constant}}{\text{Meter PT Ratio} \times \text{Meter CT Ratio}} = \frac{1154/\sqrt{3}/110/\sqrt{3} \times 50/1 \times 1}{1 \times 1} = 5000$$

Five thousand only.

4. DETAILS OF Ct's/ Pt's:

	Existing	After Replacement		Existing	After Replacement
1. Make	VYOMA	/	1. Make	VYOMA	/
2. Type	Tudor	/	2. Type	Tudor	/
3. Class	0.25	/	3. Class	0.25	/
4. Insulation level	12.5/28/95KV	12.5/28/95KV	4. Insulation level	12.5/28/95KV	12.5/28/95KV
5. Burden	2.5VA	2.5VA	5. Burden	2.5VA	2.5VA
6. Ratio Connected	50KA	50KA	6. Ratio Connected	50KA	50KA
7. Sl.No.	1. R VVC-P5555	R	7. Sl.No.	1. R VVC-P5555	R
	2. Y VVC-P5555	Y		2. Y VVC-P5555	Y
	3. B VVC-P5555	B		3. B VVC-P5555	B

5. DETAILS OF METERS:

	Existing	After Replacement
ETV Meter	main meter	check meter
a. Make	WEP	WEP
b. Type	WEP300BB 11K4P5	WEP300BB 11K4P5
c. Class	0.25	0.25
d. Voltage	2x63.5V	2x63.5V
e. Ampere	1A	1A
f. Pulse / Unit	50000	50000
g. Dial Constant	1	1
h. Sl. No.	25004626	25004633

6. A. CALIBRATION DETAILS:

	CALIBRATOR	METER
a. Voltage V1, V2, V3	0.389, 0.403, 0.391	0.390, 0.404, 0.389
b. Current I1, I2, I3	62.93, 63.14, 63.13	62.93, 63.16, 63.13
c. P.F. / K W	0.965 / 0.0721	0.960 / 0.0721
d. Sequence	RYB	RYB
B. % of Error	KVAH/	KVARH
a. Reading of Test Meter	sand	sand
b. Reading of Reference Meter		
c. Percent Error	0.046%	0.048%

7. METER READINGS :

A. Cumulative Parameters

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

	Existing	After Replacement
14:49 @ 31/01/2025	14:49 @ 31/01/2025	14:49 @ 31/01/2025
Good	Good	Good
0.0736 / 0.965	0.0736 / 0.965	0.0736 / 0.960
0.343	0.343	0.572
TOD 1. 0.00	TOD 1. 0.00	TOD 1. 0.00
2. 0.123	2. 0.123	2. 0.123
3. 0.00	3. 0.040	3. 0.040
4. 0.215	4. 0.403	4. 0.403

B. BILLING PARAMETERS :

- Billing KWH

	Existing	After Replacement
0.343	0.343	0.572
TOD 1. 0.00	TOD 1. 0.00	TOD 1. 0.00
2. 0.123	2. 0.123	2. 0.123
3. 0.00	3. 0.040	3. 0.040
4. 0.215	4. 0.403	4. 0.403
0.1435	0.1435	0.1533

- Billing KVA

	Existing	After Replacement
TOD 1. /	TOD 1. /	TOD 1. /
2. /	2. /	2. /
3. /	3. /	3. /
4. /	4. /	4. /

- Billing PF (Universal TOD)

	Existing	After Replacement
TOD 1. /	TOD 1. /	TOD 1. /
2. /	2. /	2. /
3. /	3. /	3. /
4. /	4. /	4. /

- MD Reset Count
- MD Reset Manual/ Automatic On

Automatic

Automatic

Consumer's / Representative's Signature
With Seal

Asst. Executive Engineer (Elec)
Rating Sub-Division
MID Division, BANGALORE
BANGALORE