



# Bangalore Electricity Supply Company Ltd.

## HT Rating Report

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

**11173**  
*solar synchronisation*

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

To,

The Asst. Executive Engineer (Ele.),

*CD = 350 KVA / 315 kWp*

*Attibele* O&M Sub-Division

*CTR = 20/1A*

BESCOM, *Attibele*

*MC = 2000*

Date: *13/1/26*

Sir,

### Subject : Rating Report of HT / EHT Installation

The H.T. Installation having the following details has been rated for periodical rating / complaint on *13/1/26*.  
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 - 20/1A*

Previously rated on *10/9/25 (R/L)*

R.R. No. *ATBHT-215* CD *350* KVA.

Meter Constant *2000* Activity *HT2(a)*

Name & Address of the Consumer.....

*Mpee Kitchenette Pvt. Ltd.*

*Sy.No. 54/1, 4th Cross,*

*Attibele Industrial Area,*

*Bangalore-562 107.*

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

*The existing single meter and newly installed double meters are calibrated on account of solar synchronisation, the error*

#### 3. ADVICE ON REVENUE MATTER :

*Recorded found to be within permissible limits.*

*New CD = 350 KVA / 315 kWp*

*MC = 2000*

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

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

Yours faithfully,

*Kemalattar*

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 :

3. Chief Engineer Ele., BRAZ, B'lore.

4. Superintendent of Police, Vigilance

5. Accounts Officer, Internal Audit.

TAILS OF SEALS : ATBHT-215

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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	BR80835	BR11663	BRM1166152	BRM1166153
2.	TC of Meter	BR2A 71822		STF62792	AK80845
3.	M.D. Reset Knob	BRM1424745		BRM1424946	BRM1424949
4.	Optical Port			BRM1424947	BRM1424950
5.	T.T.B.	BRM1424746	Released	BRM1424948	BRM1424951
6.	Meter Chamber Main Door	BRM1424747		BRM1424952	
7.	Meter Reading Window				
8.	C.T. / P.T. Chamber	BRM1424748		BRM1424953	
9.	Cable Entry Chamber	BRM1424749		BRM1424954	
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	.....	.....	.....	.....
2. Type	.....	.....	.....	.....
3. Class	.....	.....	.....	.....
4. Insulation Level	<u>AS Existing</u>	.....	<u>AS Existing</u>	.....
5. Burden	.....	.....	.....	.....
6. Ratio Available	.....	.....	.....	.....
7. Ratio Connected	.....	.....	.....	.....
8. Sl. No. 1.	.....	.....	.....	.....
2.	.....	.....	.....	.....
3.	.....	.....	.....	.....

4. DETAILS OF METERS :

	Existing	After Replacement
a. Make	<u>LS&amp;T</u>	<u>Schenker Electric</u>
b. Type	<u>WR300BB11KARS</u>	<u>WR300BB11BEDLMS-2</u>
c. Class	<u>0.25</u>	<u>0.25</u>
d. Voltage	<u>3X43.5</u>	<u>3X63.5</u>
e. Ampere	<u>1</u>	<u>1</u>
f. Pulse / Unit	<u>50000</u>	<u>50000</u>
g. Dial Constant	<u>1</u>	<u>1</u>
h. Sl. No.	<u>20000404</u>	<u>25010137   25010097</u>

2. THE ASSOCIATED  
Attibele.



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

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

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**6. A. CALIBRATION DETAILS :**

- a. Voltage V<sub>1</sub>, V<sub>2</sub>, V<sub>3</sub>
- b. Current I<sub>1</sub>, I<sub>2</sub>, I<sub>3</sub>
- c. P.F. / KW
- d. Sequence

**CALIBRATOR**  
 62.80 62.92, 62.47  
 0.322 0.315 0.315  
 0.990 / 0.0484  
 P08

**METER**  
 62.84, 62.92 62.47  
 0.323 0.314 0.313  
 0.991 / 0.0484  
 P08

**B. CALIBRATION DATA :**

- a. Reading of Test Meter
- b. Reading of Reference Meter
- c. Percent Error

**KVAH /**  
 MTE  
 0.128%

**KVARH**

**C. VOLTAGE MEASURED** at a) RY ..... YB .....

b) RG ..... YG ..... BR .....  
 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**  
 13/1/26 @ 12:50  
 ckt good  
 0.0587 / 0.991  
 FR 1983.096

**After Replacement**

Newly installed  
 Double mtr reading  
 are recorded in  
 next page.

**B. BILLING PARAMETERS :**

- a. Billing KWH
- b. Billing KVA
- c. Billing PF (Universal TOD)
- d. MD Reset Count
- e. MD Reset Manual / Automatic on

1974.684  
 0.1246  
 0.855  
 77  
 Auto

**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. ....

*MPK Kitchenette Pvt. Ltd.*  
 Consumer's Representative Signature  
 Attibele Industrial Area  
 Bangalore-562107

*Hemalata*  
 Asst. Executive Engineer (Ele.),  
 HT Rating Sub Division, *RLS*  
 BRAZ, BESCO, Bangalore.

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

$$\frac{\text{PT Ratio} \times \text{CT Ratio} \times \text{Dial Constant}}{\text{Meter PT Ratio} \times \text{Meter CT Ratio}} = 2000$$

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**6. A. CALIBRATION DETAILS :**

- a. Voltage V<sub>1</sub>, V<sub>2</sub>, V<sub>3</sub>
- b. Current I<sub>1</sub>, I<sub>2</sub>, I<sub>3</sub>
- c. P.F. / KW
- d. Sequence

MAIN  
CALIBRATOR  
62.84 63.16 62.61  
0.218 0.205 0.206  
0.851 | 0.0322  
P08

check  
METER  
62.83 63.24 62.53  
0.178 0.171 0.160  
0.997 | 0.0280  
P08

**B. CALIBRATION DATA :**

- a. Reading of Test Meter
- b. Reading of Reference Meter
- c. Percent Error

KVAH /  
.....  
MTE  
.....  
0.052%

KVARH  
.....  
MTE  
.....  
0.053%

**C. VOLTAGE MEASURED** at a) RY .....

..... YB .....

b) RG .....

**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  
13/1/26 @ 19:11  
.....  
ckt good  
0.0132  
0.193 | 0.126  
Imp Exp

After Replacement  
13/1/26 @ 19:15  
.....  
ckt good  
0.025 |  
0.209 | 0.119  
Imp Exp

**B. BILLING PARAMETERS :**

- a. Billing KWH
- b. Billing KVA
- c. Billing PF (Universal TOD)
- d. MD Reset Count
- e. MD Reset Manual / Automatic on

0.193 | 0.126  
0.0000 | 0.0000  
- | -  
07  
manual

0.209 | 0.119  
0.0000 | 0.0000  
- | -  
07  
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. ....

**M Pee Kitchens Pvt. Ltd.**  
Sy. No. 5/1, 4th Cross  
Consumer's Representatives Signature  
Bangalore-562 107

Hemalatha  
Asst. Executive Engineer (Ele.),  
HT Rating Sub Division, RLS  
BRAZ, BESCO, Bangalore.