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BESCOM

Bangalore Electricity Supply Company Ltd.

HT Rating Report

2643

No. EE MT / AEE(O) / BRAZ / AEE HTR / HT ATBHT-173

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

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

Addl load
Exi + Addl = Total
230 + 270 = 500 kVA / 195 kW
12.5/1A by 25/1A
1250 to 2500

Date 7/7/25

Sir,

Subject : Rating Report of HT / EHT Installation

The H.T. Installation having the following details has been rated for periodical rating / complaint on 7/7/25
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 :** CTR = 12.5/1A by 25/1A Previously rated on 16/01/2025

R.R. No. ATBHT-173 CD 230+270 = 500 KVA / 195 KW Meter Constant 1250 to 2500 Activity HT2(B) Warehouse

Name & Address of the Consumer

Attibele Warehouse
ADITYA BIRLA LIFESTYLE BRANDS LTD

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

The installation both main & check meters are calibrated before & after replacement of CT's on account of additional load, the error recorded found to be within permissible limits.

3. **ADVICE ON REVENUE MATTER :**

New CD = 500 kVA / 195 kW
New MC = 2500

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, 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.

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ANNEXURE

1. DETAILS OF SEALS : ATBHT- 173 Add| load 2643 R.R. No. .....

Sl. No.	Seals Provided to	Sl. No. of Seals Found		Sl. No. of Seals Left	
		M Lead	C Plastic	M Lead	C Plastic
1.	M.C. of Meter	BMC31385/ E813961	BMC31386/ G812755	Retained	
2.	TC of Meter	BRA2A71867	BR78201		
3.	M.D. Reset Knob	BRA252647	BRA252649	BRM1423089	BRM1423091
4.	Optical Port				
5.	T.T.B.	BRA2B72307	BRA252649	BRM1423090	BRM1423092
6.	Meter Chamber Main Door	BRA2B72308	BRA2B76726	BRM1423093	
7.	Meter Reading Window				
8.	C.T. / P.T. Chamber	BRA276928		BRM1423094	
9.	Cable Entry Chamber	BRA25[illegible]653		BRM1423095	
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	Kalpa	Kalpa	Vyoma/Kalpa	
2.	Type	WP			
3.	Class	0.2	0.2s	0.2	
4.	Insulation Level	15/38/95	15/38/95	15/38/95	
5.	Burden	2.5	2.5	2.5	
6.	Ratio Available	12.5/1A	25/1A	11kV/√3/110V/√3	
7.	Ratio Connected	12.5/1A	25/1A	—U—	
8.	Sl. No. 1.	3204	8092	VYP-K-1424-Vyoma	
	2.	3225 | 21	8093	75093 } Kalpa	
	3.	3122	8094	75095	

4. DETAILS OF METERS :

ETV Meter

		Existing (Main)	After Replacement (Check)
a.	Make	L&T	L&T
b..	Type	WR300BB11BEDLMS-2	
c.	Class	0.2s	
d.	Voltage	3X63-5	— Same —
e.	Ampere	1A	
f.	Pulse / Unit	50000	
g.	Dial Constant	1	
h.	Sl. No.	18037271	18037276

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

$$\frac{\text{PT Ratio x CT Ratio x Dial Constant}}{\text{Meter PT Ratio x Meter CT Ratio}} = 25/1 \times 11kV/\sqrt{3} \,/\, 110V/\sqrt{3} = 2500$$

6. A. CALIBRATION DETAILS :

		main mtr ~~CALIBRATOR~~	2643 check METER
a.	Voltage V_1, V_2, V_3	63.25, 63.04, 63.33	63.25, 63.04, 65.17
b.	Current I_1, I_2, I_3	1.041 1.159 1.076	0.925 1.026 0.990
c.	P.F. / KW	0.999 / 0.1998	0.995 / 0.1859
d.	Sequence	Rev	Rev

B. CALIBRATION DATA :

		KVAH /	KVARH
a.	Reading of Test Meter		
b.	Reading of Reference Meter	sandy	sandy
c.	Precent Error	0.121 %	0.108 %

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

b) RG ..... YG ..... BG .....

7. METER READINGS :

A. Cumulative Parameter

		1 ~~Existing~~	~~After Replacement~~
a.	Time, Date, Month, Year	7/7/25 @ 14:52	7/7/25 @ 15:04
b.	Demand with elapsed time		
c.	Self diagnostic condition	ckt good	ckt good
d.	Present KVA, PF	0.2001 / 0.999	0.1872 / 0.995
e.	Cumulative KWH	2467.83 / 196.24	2467.93 / 196.24

B. BILLING PARAMETERS :

a.	Billing KWH	2458.15 / 195.90	2458.24 / 195.90
b.	Billing KVA	0.2173 / 0.0957	0.2131 / 0.0950
c.	Billing PF (Universal TOD)	1.000 / 0.930	1.000 / 0.930
d.	MD Reset Count	91	91
e.	MD Reset Manual / Automatic on	Auto	Auto
		md 0.1989 / 0.0867	0.1973 / 0.0948
		pf 1.000 / 0.914	1.000 / 0.914

8. CONSUMER EQUIPMENT DETAILS

a. Transformer Make.....

b. Voltage Class .....

c. Capacity .....

d. Current .....

e. Vector Group ..... As existing

f. Sl. No. .....

g. D.G. Set Capacity.....

ADITYA BIRLA LIFESTYLE BRANDS LTD * BANGALORE *
Authorised Warehouse with Lease

Consumer's Representative Signature

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

4-4 ~~ATB~~ ATBHT-173

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

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

6. **A. CALIBRATION DETAILS :**

		~~CALIBRATOR~~ main mtr	~~METER~~ 2644 check
a.	Voltage V_1, V_2, V_3	63.07, 62.72, 63.05	62.71, 62.38, 62.74
b.	Current I_1, I_2, I_3	0.255 0.263 0.270	0.249 0.258 0.262
c.	P.F. / KW	0.990 | 0.0491	0.984 | 0.0471
d.	Sequence	Rev	Rev

B. CALIBRATION DATA :

		KVAH /	KVARH
a.	Reading of Test Meter		
b.	Reading of Reference Meter	Sandy	Sandy
c.	Precent Error	0.112%	0.109%

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	7/7/25 @ 17:16	7/7/25 @ 17:28
b.	Demand with elapsed time main mtr. TOD		
c.	Self diagnostic condition	ckt good	ckt good
d.	Present KVA, PF C1 438.82 C2 1046.71	0.0495 | 0.990	0.0483 | 0.984
e.	Cumulative KWH C3 630.53 C4 351.72	2467.83 | 196.24	2467.93 | 196.24

B. BILLING PARAMETERS :

a.	Billing KWH B1 438.82	2467.83 | 196.24	2467.93 | 196.24
b.	Billing KVA B2 1046.24	0.1989 | 0.0865	0.1973 | 0.0948
c.	Billing PF (Universal TOD) B3 630.53	1.000 | 0.914	1.000 | 0.914
d.	MD Reset Count B4 351.72	92	92
e.	MD Reset Manual / Automatic on	Manual	Manual

rmd 0.001 | 0000
ppf 1.000 | —

8. **CONSUMER EQUIPMENT DETAILS** check mtr TOD

a.	Transformer Make	b.	Voltage Class .....
c.	Capacity	d.	Current .....
e.	Vector Group	f.	Sl. No. .....
g.	D.G. Set Capacity		

check mtr TOD
C1 434.02
C2 1040.02
C3 641.07
C4 352.81

check mtr TOD
B1 434.02
B2 1040.01
B3 641.07
B4 352.81

ADITYA BIRLA LIFESTYLE BRANDS LTD. Attibele Warehouse BANGALORE

Consumer's / Representative's Signature with Seal

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