



Bangalore Electricity Supply Company Ltd.

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Format F-09-14

HT Rating Report

230

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

To,

The Asst. Executive Engineer (Ele.),

O&M Sub-Division

BESCOM, Tigan.

Sir,

Additional load

AKLHT-105

EX1 + Add = Total

2900 + 1100 = 4000 KVA

CTR = 200/1A

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: 01/04/2025

The H.T. Installation having the following details has been rated for periodical rating / complaint on 01/04/2025
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 :

R.R. No. AKLHT-105 CD. 2900 + 1100 KVA.
= 4000

Previously rated on 26.09.2024
changes from HT 2 (a)
15,000 to 20,000

Name & Address of the Consumer: M/s Tata advanced system Ltd.,

2. OBSERVATION & ADVICE ON TECHNICAL MATTER :

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

3. ADVICE ON REVENUE MATTER :

New MC = 20,000

4. DOWNLOADED TATA ANALYSIS ENCLOSED : YES / NO.

Summary of analysis if rated against complaint

Yours faithfully,

Hemabettu

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.

Prithi

Supd

AAO
Hemabettu
3/4



1. DETAILS OF SEALS :

230

R.R. No. AKLHJ-105

Sl. No.	Seals Provided to	Sl. No. of Seals Found		Sl. No. of Seals Left	
		Lead	Plastic	Lead	Plastic
1.	M.C. of Meter	Bm 664510	Bm 664508	} retained	
2.	TC of Meter	483389	624371		
3.	M.D. Reset Knob	3RA2A97223	BR 93841	3RA2B34047	BRA2B 34049
4.	Optical Port	3RA2 23839	BR 23842		
5.	T.T.B.	BRA2B 324046	BRA2B 32405	BRA2B 34048	BRA2B 34050
6.	Meter Chamber Main Door	REL2B 32406		BRA2B 34051	
7.	Meter Reading Window				
8.	C.T. / P.T. Chamber	BRA2A 97226		BRA2B 34052	
9.	Cable Entry Chamber	uprc		BRA2B 34053	
10.					
11.					

2. DETAILS OF THE EQUIPMENTS :

- a) Cubicle Type : Cable Entry / 6 bushing / 3 bushing / LBS. Make AS existing Sl. No. 3
- b) Cubicle Conditions & Location G.O.D.
- 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	Labpa	KALPA	
2. Type	W.P.	W.P.		
3. Class	0.25	0.25	0.2	
4. Insulation Level	1.5/38/95	1.5/38/95	1.5/38/95	
5. Burden	2.5	2.5	2.5	
6. Ratio Available	1.50/1.1A	200/1.1A	1.1K/1.3/1.10V/1.3	
7. Ratio Connected	1.50/1.1A	200/1.1A		
8. Sl. No. 1.	1.70.307	314.020	2.7.3996	
2.	1.70.308	314.021	2.7.3997	
3.	1.70.309	314.022	2.7.3998	

4. DETAILS OF METERS :

ETV Meter

	Existing	After Replacement
a. Make	Main mtr	cheet mtr
b. Type	L.H.T.	L.H.T.
c. Class	1.1R.300BRIKARS	WR300BRIKARS
d. Voltage	0.25	0.25
e. Ampere	3x63.5V	3x63.5V
f. Pulse / Unit	1.A	1.A
g. Dial Constant	1	1
h. Sl. No.	50,000	50,000
	16090872	16090880

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

PT Ratio x CT Ratio x Dial Constant

Meter PT Ratio x Meter CT Ratio = $200/1 \times 11kV/53/110/530 = 20,000$

6. **A. CALIBRATION DETAILS :**

a. Voltage V₁, V₂, V₃

b. Current I₁, I₂, I₃

c. P.F. / KW

d. Sequence

Main mtr
CALIBRATOR

63.98, 63.60, 63.80

0.131, 0.130, 0.138

0.973/0.0238

Rev

Check
METER

64.20, 63.83, 64.08

0.164, 0.152, 0.156

0.916/0.0291

Rev

B. CALIBRATION DATA :

a. Reading of Test Meter

b. Reading of Reference Meter

c. Percent Error

KVAH /

KVARH

MTE

- MTE -

0.110 %

0.12 %

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

b) RG YG 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

1/4/25 @ 13:46

ckt good

0.0266/0.973

6670.56

After Replacement

1/4/25 @ 13:47

ckt good

0.0328/0.916

6672.74

B. BILLING PARAMETERS :

a. Billing KWH

b. Billing KVA

c. Billing PF (Universal TOD)

d. MD Reset Count

e. MD Reset Manual / Automatic on

6669.96

0.2261

0.963

05

Auto

6672.15

0.2265

0.963

05

Auto

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.

Consumer's / Representatives Signature
with Seal

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