

BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

(Wholly owned Government of Karnataka Undertaking)

Asst. Executive Engineer (Ele),
O&M Sub-Division,
BESCOM, Melawangala
B. Pura (U)

DHTP43
Complaint & Rectified
Y phase CT Changed
33.33% Slow

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

Sir,

Date: 30/01/2016

Subject: Rating Report of HT/EHT Installation.

The H.T. Installation having the following details has been rated for periodical rating/complaint on 30/01/2016. 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. **DHTP43** CD **1250** KVA CTR **65/1A** Previously rated on **09/12/2015**
Activity **HT/A** A Meter Constant **6500**
Name & Address of the Consumer **M/S Pittal Put Hd #123 & 24, KIADB, Indl Area**
K. S. Nagar, D.B. Pura (U)

2. OBSERVATION & ADVICE ON TECHNICAL MATTER:

The installation of the meter is rated found that Y phase current is missing change. The Y phase CT is under faulty condition. The error in recording meter is 33.33% slow. We changed the CT and found ok.

3. ADVICE ON REVENUE MATTER: The meter can record with in the limit.

4. DOWNLOADED DATA ANALYSIS ENCLOSED: YES/NO.

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

ANNEXURE

1. DETAILS OF SEALS:

R.R. No. **DHTP43**

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	BA12B70001	BA12B70004	} Retained.	
2	TC Of Meter	BA12B70002	BA12B70005		
3	M.D. Reset Knob				
4	Optical Port				
5	T.T.B	BA12B73372	BA12B73373	BA12B89974	BA12B89975
6	Meter Chamber Main Door			BA12B89976	
7	Meter Reading Window				
8	C.T./P.T. Chamber			BA12B89977	
9	Cable Entry Chamber	BA12B70009		Retained	6
10	Hologram	MT102527	MT102528		

2. DETAILS OF THE EQUIPMENTS:

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

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

$$MC = \frac{PT \text{ Ratio} \times CT \text{ Ratio} \times \text{Dial Constant}}{\text{Meter PT Ratio} \times \text{Meter CT Ratio}} = \frac{11kV/\sqrt{3}/110/\sqrt{3} \times 65/1A \times 1}{1 \times 1} = 6500$$

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

Six thousand five hundred only.

CT fault 33.33% slow

041P93 27

	Existing	After Replacement	Existing	After Replacement
Class	Kalpa	Kalpa	/	/
Insulation level	0.25 indoor	0.25 indoor	/	/
Burden	15/38/95 kv	15/38/95 kv	At Existing	
Ratio Connected	0.5 VA	0.5 VA		
Sl.No.	65/1A	65/1A		
	7392	5578		
1. R		R		R
2. Y	Ret.	Y Retained		Y
3. B		B		B

5. DETAILS OF METERS:
ETV Meter

	Existing	After Replacement
a. Make	W.P. 100 B.B.I.K. U.P.S.	W.P. 100 B.B.I.K. U.P.S.
b. Type	0.25	0.25
c. Class	3863.5V	3863.5V
d. Voltage	1 AMP	1 AMP
e. Ampere	5000	5000
f. Pulse / Unit	1	1
g. Dial Constant	23002335	23008694
h. Sl. No.	Before	After Replacement

6. A. CALIBRATION DETAILS:

	Existing	After Replacement
a. Voltage V1, V2, V3	66.01, 66.33, 66.45	66.02, 65.35, 66.33
b. Current I1, I2, I3	0.825, 0.903, 0.905	0.896, 0.825, 0.861
c. P.F. / KW	0.824 / 0.1324	0.828 / 0.1322
d. Sequence	EBY	EBY
B. % of Error		
a. Reading of Test Meter	Saudi	
b. Reading of Reference Meter	33.33%	
c. Percent Error		

7. METER READINGS :

	Existing	After Replacement
A. Cumulative Parameters		
a. Time Date, Month, Year	13:00 @ 30/01/2026	12:59 @ 30/01/2026
b. Demand with elapsed time	0.1202, 0.824	0.1200, 0.828
c. Self-diagnostic condition	1918.159	1912.396
d. Present KVA, PF	264.527	264.502
e. Cumulative KWH	881.380	881.121
TOD 1	358.713	358.542
2	413.547	413.180
3		
4		
B. BILLING PARAMETERS :		
a. Billing KWH	1857.410	256.997 1856.625
TOD 1	257.018	854.919
2	855.118	348.146
3	348.310	396.611
4	396.963	
b. Billing KVA	0.1312	0.1312
TOD 1	/	/
2	/	/
3	/	/
4	/	/
c. Billing PF (Universal TOD)	0.957	0.957
TOD 1	/	/
2	/	/
3	/	/
4	/	/
d. MD Reset Count	32	32
e. MD Reset Manual/ Automatic On	Auto	Auto

Consumer's / Representative's Signature:
 With Seal:
 Brahm: 1922.956
 Day: 480.102
 Clead: 97.010
 Ckua: 1997.100
 Ctua: 5.410
 480.250
 1922.992
 Asst. Executive Engineer (Ele.)
 H.T. Rating Sub. Division.
 MT Division, BRAZ, Bangalore.
 96.950
 1996.433
 5.413