

Maharashtra State Electricity Distribution Co. Ltd.

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No. PR 3 / COS /**42646**

Date : **04th Dec. 2008**

Commercial Circular No. 91

Sub :- DTC Metering and DTC Energy Audit – Modification of Billing System.

Ref :- 1. Office Note No. CE/IR/DTCEA/SBP/419 dt. 17/09/2008 approved by Competent Authority.
2. Office Note No. CE/IR/DTCEA/443 dt. 30/09/2008.

MSEDCL has started DTC Metering Program from 2002 in Urban Zones and later on the same was extended to other areas.

The status of this DTC metering programme and Energy audit (as on 31/07/2008) is as under–

- 1) Total no. of DTC's :Approx 260000.
- 2) No. DTCs metered :127278
- 3) No. of DTCs reported to IT for Energy Audit :92509.
- 4) No. of DTC's on which Energy Audit is carried out :81431

From above it is clear that, Energy Audit Report is available only for 63.9% of DTCs.

It is noticed that the losses on DTCs which are metered 4-5 years back are still not within permissible range. It is evident that efforts taken on DTC Metering Program and Energy Audit are not providing the results as envisaged at the start of this program. At times very **High and Absurd** losses are shown on the DTC's. This is resulting in lack of proper monitoring on this important parameter apart from the fact that we have to face hostility during various hearings and discussions in MERC and other forums.

The reasons for very High or Absurd losses on DTCs can be broadly divided into TWO categories: 1) Operational Errors and 2) System Errors.

1) The Operational Errors include:

1. Various human errors.
2. Improper indexing of consumers.
3. Absurd billing of certain consumers due to reading errors or faulty meter (very high or negative)

The corrective action in above cases are required to be taken by Local Officers i.e. Sub-Division / Division / Circle Office.

2) System Errors include:

1. Wrong setting of meter reading routes i.e. consumers connected on one DTC are in different processing cycle and routes (i.e not in the same processing cycle and route).

2. Apart from the mismatch due to above reasons, presently due to the multiple billing cycle system adopted in mainly Urban Zones the results are not consistent. In this system, following reading cycles are set for consumers on one DTC.
 - a) R & C consumer cycle.
 - b) IP consumer cycle.
 - c) CT Meter consumer cycle.
 - d) LT consumers above 67 HP cycle.
 - e) Construction consumer cycle.
 - f) Street light consumer cycle.
 - g) Agricultural pump consumer cycle.

Thus, the billing cycle of different category of consumers of the same Sub-Division are different and hence there is a mismatch in input and output, thereby resulting in wrong Energy Audit.

This limitation of the System needs to be corrected / modified at Head Office level.

As such Chief General Manager (IT) is requested to replace different category-wise billing cycles by one common billing cycle for all categories in the Sub-Divisions where billing is done monthly and to map all consumers connected to one DTC in one processing cycle and in one route. This will ensure reading and billing of all consumers connected to one DTC in one day.

IT Department is migrating from COBOL Based LT Billing System to Oracle Based LT Billing System. The proposed meter reading method will be implemented to those Urban Circles where Oracle Based LT Billing is implemented and for remaining urban circles, as soon as Oracle Based LT Billing is implemented, above proposed meter reading method should be implemented immediately.

These instructions are to be implemented with immediate effect and this process of correcting / addressing Operational Errors and System Errors is to be completed by 31ST December, 2008.

Chief Engineer (Commercial)

Copy f.w.c.to:

- 1) Chief Engineers of all O & M Zones, MSEDCL
- 2) The C.G.M. (IT), MSEDCL, Prakashganga, BKC, Mumbai.
- 3) The Principal Consultant (Distribution Franchisees), Prakashgad

Copy to:

- 1) Superintending Engineers of all O & M Circles, MSEDCL
- 2) Executive Engineers of all O & M Divisions, MSEDCL
- 3) Dy. Executive Engineers of all O & M Sub-Divisions, MSEDCL
- 4) Assistant Engineers of all O & M Sub-Divisions, MSEDCL.

Copy f. w. c. to:

Vice President-Bhiwandi Operations,
Torrent Power Ltd.,
Old Agra Road, Anjur Phata, Bhiwandi-421 302.

Copy s. w. r. to:

The Secretary, Maharashtra Electricity Regulatory Commission, Mumbai.

Copy s. w. r. to:

The Managing Director, MSEB, Holding Company Ltd., Mumbai.
The Managing Director, M.S.E.D. Company Ltd., Mumbai.
The Director (Operations), M.S.E.D. Company Ltd., Mumbai.
The Director (Finance), M.S.E.D. Company Ltd., Mumbai.
The Director (V & S), MSEDCL Ltd, Mumbai.

Copy s. w. r. to:

The Executive Director (Commercial), MSEDCL, Mumbai.
The Executive Director - I (Dist.-Com. & Co-Ord.), MSEDCL, Mumbai.
The Executive Director - II (Dist.& Com.), MSEDCL, Mumbai.
The Executive Director - III (Dist.& Com.), MSEDCL, Mumbai.
The Executive Director (Corporate Planning -TRC) MSEDCL, Mumbai.

Copy f. w. c. to:

The Chief Engineer (Distribution) / (IR) / (Load Management) / (Special Project Cell) / (APDRP)/ Power Purchase / Infrastructure Plan/AMR, MSEDCL, Mumbai.
The Chief Engineer (TRD), MSEDCL, Nasik.
The Company Secretary , MSEDCL, Mumbai.
The Chief General Manager (Tech. Estt.), MSEDCL, Mumbai.
The Chief General Manager (Finance & Acctt.) MSEDCL, Mumbai.
The Chief General Manager (IA) MSEDCL, Mumbai.
The Chief General Manager (Personnel) MSEDCL, Mumbai.
The General Manager (SB) / (Corp. Account), MSEDCL, Mumbai.
The Chief Legal Adviser, MSEDCL, Mumbai.
The R. A. O.; Government Audit, Prakashgad, Mumbai.
The C. I. & P. R. O., Mumbai.
The Superintending Engineer (TRC) MSEDCL, Mumbai.
The Technical Assistant to Managing Director, MSEDCL, Mumbai.
The E.O. (HRD), MSEDCL, Mumbai.
The Dy. Director (V, S & E), MSEDCL, Pune / Nagpur / Mumbai
The G.M. (Inspection), MSEDCL, Mumbai,
The G.M., Computer Centre, MSEDCL, Mumbai.
Pune/Nagpur/Aurangabad/Akola/Nasik/Vashi/Bhandup/Kalyan/Kolhapur
System Analyst, Computer Centre, MSEDCL.
Bhandara/Buldhana/Dhule/Jalgaon/Latur/Nanded/Satara/Solapur/Pen
Programmer, Computer Centre, MSEDCL.
Ahmadnagar/Amravati/Chandrapur/Palghar/Ratnagiri/Sangli/Yavatmal
All Flying Squads, MSEDCL.