



No.SE/LM/Circular **No 19798** Circular No.47

Date: **19 JUN 2014**

**Sub :** Load Shedding protocol for Single Phasing Scheme feeders and Ag. separated feeders with SDT.

**Ref :** 1. Load Shedding Circular No.46 dt.14/01/2013.

.....

Presently 3 phase availability of 8 hrs. in a day time and 10 hrs. in night time in rotation is given to Single Phasing Scheme feeders and Separated Ag. Feeders.

The load shedding of 6 hrs. is implemented to all Single Phasing Scheme feeders and Separated Ag. Feeders with SDT, irrespective of Distribution Collection Losses.

Basically DCL is applied to "feeder as a whole". However demand / Collection is bifurcated into Non-Ag (1- ph) and AG (3-Ph). Overall collection efficiency including Ag collection efficiency of these feeders is poor and hence feeder DCL does not improve though the non-Ag collection is improved and is on par with some A,B,C,D ( LS free ) areas. Therefore a new methodology is introduced to give benefit for improvement in Non AG collection Efficiency to Non AG consumers .

Now single phasing supply to Single phasing feeders and Ag. separated feeders with SDT, will be extended to 24 hrs. for A,B,C& D groups. However 3phase availability of 8/10 hrs will be continued as per prevailing protocol, without any change .

**Guidelines for computation of DCL for Single Phasing Scheme feeders and Ag. separated feeders where SDT are installed.**

- I) While calculating DCL of such feeders, collection efficiency of only non Ag (single phase) consumers shall be considered.
- II) Loss of Non-AG (1 ph) category cannot be separated Hence the loss of whole feeder shall be considered.

After considering above, DCL shall be computed as below-

$$DCL = 100 - \frac{(100 - LT \text{ loss of feeder}) * (\text{Coll. Eff. of Non AG category only..1ph})}{100}$$



- III) If DCL of such feeders works out to be under **A to D** groups, there will be no load shedding and only single phase supply should be extended during this period.
- IV) Feeders falling under '**E, F, G**' DCL group shall not given such benefit and will follow the 6 Hrs load shedding protocol as per prevailing practice
- V) In case of system constraints the load shedding will be implemented as per the protocol.
- VI) In case of improvement of DCL groups of such feeders from **E, F, G** to **A, B, C, D** groups, the approval should be obtained from Competent Authority.
- VII) While forwarding DCL proposals MRI retrieved data in soft copy for at least 60 days should be invariably submitted.
- VIII) In case of degradation of DCL groups of such feeders from **A, B, C, D** to **E, F, G** groups, the 6 hrs. of load shedding should be implemented immediately without seeking approval.

The above guidelines should be implemented with immediate effect.

  
**Director (Operations)**

**To All C.E.s, O&M, MSEDCL, Mumbai.**

Copy s.w.rs to :-  
The Hon.M.D., MSEDCL, Mumbai.

Copy f.w.cs.to :-  
The Director (Finance) / (Project) / (V&S), MSEDCL, Mumbai.

- Copy to :-
1. The Executive Director CP /Projects / HR / Comm., MSEDCL, Mumbai.
  2. The Regional Executive Director Pune/Kalyan/Nagpur.
  3. The Chief Engineer (SLDC), MSETCL, Kalwa.
  4. The C.G.M. (CC), MSEDCL, Mumbai.
  5. The Chief Engineer, PP/IR/Dist./Comm./APDRP/Infra., MSEDCL, Mumbai.
  6. The Principle Consultant, (Distribution Franchisee), MSEDCL, Mumbai.
  7. All S.E.s, O&M, MSEDCL, Mumbai.
  8. The S.E.. LM Cell, MSEDCL, Airoli.
  9. The S.E. (TRC), MSEDCL, Mumbai.
  10. The Nodal Officers. Franchisee, Bhiwandi / Jalgaon/ Nagpur/A'bad.
  11. O.S.D. to M.D., MSEDCL, Mumbai.
  12. All E.E.s, O&M, MSEDCL, Mumbai.

Copy s.w.rs.to :-  
The Secretary,  
Maharashtra Electricity Regulatory Commission,  
World Trade Centre, Centre No.1, 13<sup>th</sup> Floor, Cuffe Parade,  
Mumbai-400 005.