

No. SE/LM/Guidelines/

**No 23139**

Date: **14 AUG 2012**

To,  
All Chief Engineers,  
O&M Zones,  
MSEDCL.

**Sub: Revised Guidelines for implementation of feeder-wise Load Shedding.**

Ref: This Office Letter No.SE/LM/2011 dt. 13.07.2012.

The Guidelines for implementation of feeder-wise load shedding issued vide letter under ref. are superseded by the revised guidelines issued as below:

1. The feeder-wise load shedding shall be implemented in all the divisions on or before **22<sup>nd</sup> August, 2012** considering local convenience.
2. The feeders under DCL Groups A, B, C will be load shedding free and in case of emergency situation, the load shedding will be implemented in the sequence of **C-B-A** Groups step by step as per system requirement.
3. The feeders are to be categorized as below :
  - a) **Ag. Feeders** i.e. Ag. Separated & Single phasing feeders.

The 3 phase availability of 8 hrs. during day time and 10 hrs. during night time to be given in rotation for Ag. feeders.

- b) **Mixed Feeders** i.e. feeders other than Ag. Feeders.

Mixed feeders are again categorized as-

- I. **Ag. dominated Feeders**- Feeders having Ag. load greater than 25%.
    - II. **Other Feeders** - Feeders having Ag. load less than or equal to 25%.
      - All Ag. Consumers on **Other Feeders** shall be metered within six months.
      - Separated Gaothan feeders will have the load shedding as per the respective group of other region area.
      - For Ag Consumers on **mixed feeders**, 80% Ag. Collection Efficiency will be considered as 100% for calculation of DCL. The Collection Efficiency will be calculated separately for each category and Mean Collection Efficiency will be calculated to arrive at Resultant Collection Efficiency.



➤ DCL Groupwise Load shedding hours are as below:

Group	Load shedding hours			
	Other Region		Ag. dominated	
	DCL	hours	DCL	hours
<b>A</b>	0% to 18%	<b>3.15</b>	0% to 21%	<b>11.00</b>
<b>B</b>	>18% to 26%	<b>4.00</b>	>21% to 29%	<b>11.30</b>
<b>C</b>	>26% to 34%	<b>4.45</b>	>29% to 37%	<b>12.00</b>
<b>D</b>	>34% to 42%	<b>5.30</b>	>37% to 45%	<b>12.30</b>
<b>E</b>	>42% to 50%	<b>6.15</b>	>45% to 53%	<b>13.00</b>
<b>F</b>	>50% to 55%	<b>7.00</b>	> 53% to 58 %	<b>13.00</b>
<b>G1</b>	>55 % to 60%	<b>9.00</b>	>58 % to 63%	<b>14.00</b>
<b>G2</b>	>60% to 65%	<b>10.00</b>	>63% to 68%	<b>15.00</b>
<b>G3</b>	Above 65%	<b>11.00</b>	Above 68%	<b>16.00</b>

4. **Express Feeders** : The EHV feeders, Express feeders for Industries, I.T. Parks, MIDCs, Municipal water works and utility are load shedding free.
5. **Industrial Feeders**: These feeders are load shedding free.
6. While calculating L.T. input,
  - ❖ H.T. loss for express feeders to be considered as **zero**.
  - ❖ H.T. loss for Feeders having H.T. load greater than 80% to be considered as **zero**.
  - ❖ H.T. loss for all other feeders where there is HT load to be considered as **1.5 %**.
7. **MOU Route Franchisee on Express feeders** is excluded from load shedding.  
The DCL in such areas should be less than 8%.
8. **Lift Irrigation schemes** :
  - (a) The Lift Irrigation Schemes (LIS) on Express feeders should get 16 hrs/day supply at stretch with weekly one day staggering and there will be no supply during **18.00 to 22.00 hrs**.
  - (b) This will not be applicable to LIS on other than Express Feeders and load shedding to such feeders should be carried out as per their respective DCL Groups.
9. In case of **Revenue Commissioner Head Quarters and Mumbai Metropolitan area**, the feeders under A, B & C Groups are load shedding free and the feeders under **D,E,F,G** groups will have load shedding of "D" Group and the load shedding to be implemented upto **18.30 hrs** only. The same should be implemented from **22<sup>nd</sup> August, 2012** excluding **Aurangabad & Nagpur Franchisee areas**.



**10. Technical Loss on Lengthy feeders:**

The feeders having length **30Km** and above, are considered as lengthy feeders. **0.1%** Technical loss per Km is considered for the length above 30 Km and which is to be deducted from LT loss of that feeder and then DCL is to be finalized for load shedding.

Suppose , Length of feeder = 100 Km & % LT loss of feeder = 45%.

Benefit to be given for (100-30) = 70 Km

% Technical loss for 70 Km =  $0.1 * 70 = 7\%$

% LT loss after benefit =  $45 - 7 = 38\%$

- 11.** In underground system specially Bhandup (U) Zone, Pune zone, etc. where load is frequently shifted from one feeder to another during breakdown/shutdown then for such cases, assessment on both the feeders is necessary. So the Concerned Ex. Engineer in consultation with local IT should make provisions in software to accommodate such assessment, till then manual assessment should be carried out for finalization of DCL.

**12. Naxalite area**

For the feeders under Naxalite area, the Load shedding is to be implemented during 6.00 AM to 6.00 PM only as per their respective groups.

- 13.** For calculation of DCL in Rural areas, street light demand, collection, arrears shall be excluded while considering collection efficiency.
- 14.** In draught affected area, Ag. demand and collection shall be excluded while calculating collection efficiency.
- 15.** After finalization of monthly feeder wise DCL on the basis of monthly data, Local IT will submit the monthly report to respective Chief Engineer & HO IT. Once the report is submitted, then no change will be accepted for that particular month.
- 16.** Once the monthly DCL of all zones received to HO (IT), then HO IT will check and finalize the DCL and the same will be intimated to CE(IR & QC) & SE(LM) for further verification on or before 10<sup>th</sup> of every month with a copy to all CEs.
- 17.** Respective Chief Engineer should send the consolidated proposal of improvement in DCL group as per the IT report only to CE(IR & QC) & SE(LM) for further approval from Competent Authority.
- 18.** The increased hours of load shedding for Degraded DCL of the feeders should be implemented by respective Chief Engineer from 15<sup>th</sup> of every month with intimation to SE(LM).



19. The technical data of the feeders having absurd losses (positive & negative) should be rectified and corrected before 31.08.2012. If not corrected before 31.08.2012 then the load shedding to such feeders should be implemented as per 'E' group from 01.09.2012.

The Guidelines for implementation of feeder-wise load shedding issued vide letter under ref. dt.13/07/2012 be superseded forthwith.



**Director (Operation)**

Copy s.w.rs.to:-

- 1) The Hon. M.D., MSEDCL, Mumbai.

Copy f.w.cs.to:-

- 1) The Director (Finance) / ( Project)/ (V&S) MSEDCL, Mumbai.

Copy to:-

- 1) The Executive Director Comm./ Project/HR, MSEDCL, Mumbai.
- 2) The Regional Executive Director, MSEDCL, Kalyan /Pune/ Nagpur.
- 3) The Chief Engineer (SLDC), MSETCL, Kalwa.
- 4) The All Chief Engineer's in H.O. Mumbai.
- 5) The CGM (CC), Mumbai.
- 6) The CGM (IT), / Tech. Prakashganga, Mumbai.
- 7) The OSD to MD
- 8) The Principal Consultant (Dist. Franchisee section) Mumbai.
- 9) The all Superintending Engineer O&M Circles. MSEDCL
- 10) The Superintending Engineer (LM Cell), MSEDCL, Kalwa.
- 11) The Suptdg. Engineer (LD), MSETCL, Ambazari, Nagpur/
- 12) The Suptdg. Engineer (TRC) , H.O. Mumbai.
- 13) The Nodal officer, Dist. Franchisee, Bhiwandi / Aurangabad / Nagpur / Jalgaon.
- 14) All E.E.s of O&M Divisions M.S.E.D.C.L.

Copy s.w.r.to:-

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Maharashtra Electricity Regulatory Commission,  
World Trade Centre, Centre No.1, 13<sup>th</sup> Floor, Cuffe Parade, Mumbai-5.