

Ref. ED(II)/LM/PLS/09490

Date:18.04.2022

CIRCULAR- 56

Sub: Temporary revision in Load Shedding Time Schedule and existing load shedding protocol and detailed guidelines for implementation thereof.

Ref: 1. MERC Order in Case No. 41 of 2012 Dt. 26.11.2012.
2. Load shedding Circular No. 46 SE/LM/LS/1000 Dt. 14.01.2013.
3. Load shedding Circular No Circular No.51 ED(Comm)/LM/24225 Dt. 04.10.2017.
4. Load shedding Circular No. 49 SE/LM/LS/22383 Dt.15.09.2017
5. CE(PP)/LM/AgLM/24680 Circular No.55 Dt. 06.10.2021.
6. Ag Supply Time Schedule No. CE(PP)/LM/AgLM/8 Hrs Supply/07801 Dt. 31.03.2022.

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Presently there is shortfall in power supply availability due to various reasons including coal shortage and demand is suddenly increased due to post covid effect and high Agricultural demand. Hence there is continuous power shortfall in the system and emergency Load shedding is being implemented by MSEDCL from last few days as and when required to meet out demand supply gap for the grid security. MSEDCL is exerting all out efforts to reduce the shortfall in demand and supply by procuring power from Power Exchanges, running Koyna Hydro generation at its maximum in the peak load hours and asking generators to generate at full capacity round the clock, etc. It seems that present power shortfall scenario will continue for some more days.

In view of present demand and supply gap the existing load shedding protocol is temporarily modified and in order to avoid/ reduce inconvenience to consumers, the following guidelines are issued for implementation.

1. The existing Load shedding protocol as given in circular No. 46 has been modified temporarily by considering the present load curve and load relief requirement. Accordingly, Load shedding time schedule of all DCL groups (i.e. A, B, C, D, E, F, G1, G2 & G3) is revised temporarily and attached herewith as **Annexure-A**.

The temporary revised load shedding protocol is as below,

Group	Other /Non AG feeders		Mix /Ag. Dominated feeders	
	Distribution Collection Losses (DCL)	Load shedding hours	Distribution Collection Losses (DCL)	Load shedding hours
A	0% to 18%	1.30	0% to 21%	1.30
B	>18% to 26%	2.00	>21% to 29%	2.00
C	>26% to 34%	2.30	>29% to 37%	2.30
D	>34% to 42%	3.00	>37% to 45%	3.00
E	>42% to 50%	3.30	>45% to 53%	3.30
F	>50% to 58%	4.00	>53% to 61%	4.00
G1	>58% to 66%	4.15	>61% to 68%	4.15
G2	>66% to 74%	4.30	>68% to 76%	4.30
G3	Above 74%	5.00	Above 76%	5.00

2. **Ag. Load management schemes:**

Separated Ag Feeders(Pure Ag), Single Phasing and Ag. Feeders where SDT's are installed

Three phase availability will be given as per **Circular 55** (ref5) & the existing AgLM time schedule under **ref.(6)**, i.e. the three phase availability of 08 hrs. during night time or 8 hrs. during day time on rotation basis.

3. **Load shedding in respect of Single Phasing and Ag. Feeders where SDT's are installed:**

Load shedding shall be carried out for 6 hours in two slots at a stretch of 03 hours immediately after 3-phase availability cut off and 03 hours before 3-phase availability start on these Ag feeders. **For example.**

Slot timing of 3-ph availability (08 Hrs)	PLS Time (06 Hrs)	1-ph availability Timing (10 hrs)
23.00 Hrs to 07.00 Hrs	07.00 Hrs to 10.00 Hrs 20:00 to 23:00 Hrs	10.00 Hrs to 20.00 Hrs

4. No load shedding to Industries on Industrial feeders.
5. No load shedding to express feeders for Water Works, IT Parks and utilities Feeders.
6. **Lift irrigation schemes :**
- 6.1 Lift irrigation schemes on Express feeders should get 16 Hours/day supply at a stretch with weekly one day staggering and no availability to be given between 18.00 to 22.00 hrs,
- 6.2 This will not be applicable to LIS on mixed feeders.
7. **Naxalite area :**
- 7.1 The feeders in Naxalite area should be classified as non Ag/Other feeder category.
- 7.2 The load shedding in Naxalite area should not be carried out between 6.PM to 6 AM .
- 8 Group-wise daily load shedding implemented to the feeders is to be fed in the Network Data Management(NDM) system on daily basis and MRI Data of all sheddable feeder's meter shall be retrieved & fed into MDAS system as per directive already given in LM Circular No. 49.
- 9 Further daily load shedding implemented load relief shall be informed to Nodal EHV sub-stations/Load Management cell, MSEDCL, as per existing practice.
- 10 Detailed chart showing names of feeders, time of load shedding etc. should be prepared and displayed prominently in the sub-stations, Sub Dn. office & Section office for matter of transparency and it will be conveyed to consumers through proper publicity.
- 11 This load shedding protocol shall be effective from **00:00 Hrs of 20.04.2022**. As such this protocol shall be implemented as per instructions of State Load Dispatch Center, Kalwa / LM Cell Kalwa as per system requirement only.

The instructions given above should be followed scrupulously.

Encl: As above


Executive Director (II)

Copy s.w.rs.to:-

- 1) The Chairman and Managing Director, MSEDCL, Mumbai.
- 2) The Chairman and Managing Director., MSETCL, Mumbai.
- 3) The Chairman and Managing Director., MSPGCL, Mumbai.
- 4) Director (Operations), MSEDCL, Mumbai.
- 5) Director (Commercial), MSEDCL, Mumbai.
- 6) Director (Finance), MSEDCL, Mumbai.
- 7) Director (Project), MSEDCL, Mumbai.
- 8) The Joint Managing Director, MSEDCL Aurangabad/Kalyan

Copy f.w.cs to:

- 1) The Executive Director (Infra/Finance/B&R), MSEDCL, Mumbai.
- 2) The Regional Director, MSEDCL, Pune/Nagpur
- 3) The Executive Director Trans. O&M / Trans. Planning MSETCL, Mumbai.

Copy to:

- 1) The Chief Engineer, SLDC, MSETCL, Airoli.
- ----- He is requested to incorporate Daily Load shedding Data in the DSR and report to Load Management Cell, H.O. regularly.
- 2) The Chief Engineer (Gen. O&M), MSEPGL, Mumbai.
- 3) The Chief Engineer Trans. O&M, MSETCL, Mumbai.
- 4) The Chief Engineer (PP), Mumbai.
- 5) All Chief Engineers in H.O., Mumbai.
- 6) All Chief Engineers O&M Zones, MSEDCL.
- 7) The O.S.D to C.M.D, MSEDCL, Mumbai.
- 8) The Superintending Engineer, TRC, HO, Mumbai.
- 9) The Superintending Engineer, LM Cell, Corporate Office, Airoli.
--- For information and necessary action.
- 10) All Superintending Engineers O&M Circles, MSEDCL.
- 11) All Superintending Engineers EHV O&M Circles, MSETCL.
- 12) The Superintending Engineer (LD), MSETCL, Ambazari, Nagpur.
- 13) The Nodal Officer, Bhiwandi/Kalwa/Jalgaon Franchisee.
--- For information and necessary action.

Copy s.w.rs.to:-

- 1) Hon'ble Secretary,
Maharashtra Electricity Regulatory Commission,
World Trade Centre, Centre No.1, 13th Floor, Cuffe Parade,
Mumbai - 400 005.

TIME SCHEDULE :-		Non-Ag Sheddable Feeders			
A GROUP (01.30 hrs LS)		A 1 (25%)	A 2 (25%)	A 3 (25%)	A 4 (25%)
	Timinig	06.00 to 07.30	11.00 to 12.30	14.00 to 15.30	15.30 to 17.00
	LS Hours	1.30 Hrs.	1.30 Hrs.	1.30 Hrs.	1.30 Hrs.
B GROUP (02.00 hrs LS)		B 1 (25%)	B 2 (25%)	B 3 (25%)	B 4 (25%)
	Timinig	08.30 to 10.30	10.30 to 12.30	17.00 to 19.00	16.30 to 18.30
	LS Hours	2.00 Hrs.	2.00 Hrs.	2.00 Hrs.	2.00 Hrs.
C GROUP (02.30 hrs LS)		C 1 (50%)	C 2 (50%)		
	Timinig	11.00 to 12.30	10.00 to 11.00		
	LS Hours	1.30 Hrs.	1.00 Hrs.		
	Timinig	16.00 to 17.00	14.30 to 16.00		
D GROUP (03.00 hrs LS)		D 1 (50%)	D 2 (50%)		
	Timinig	11.00 to 13.00	10.30 to 12.00		
	LS Hours	2.00 Hrs.	1.30 Hrs.		
	Timinig	17.00 to 18.00	15.30 to 17.00		
E GROUP (03.30 hrs LS)		E 1 (50%)	E 2 (50%)		
	Timinig	05.00 to 07.00	04.00 to 06.00		
	LS Hours	2.00 Hrs.	2.00 Hrs.		
	Timinig	10.30 to 12.00	12.00 to 13.30		
F GROUP (04.00 hrs LS)		F 1 (50%)	F 2 (50%)		
	Timinig	04.30 to 06.30	02.30 to 04.30		
	LS Hours	2.00 Hrs.	2.00 Hrs.		
	Timinig	15.00 to 17.00	13.30 to 15.30		
G1 GROUP (04.15 hrs LS)		G1-A (50%)	G1-B (50%)		
	Timinig	02.30 to 04.30	04.30 to 06.30		
	LS Hours	2.00 Hrs.	2.00 Hrs.		
	Timinig	18.45 to 21.00	21.45 to 24.00		
G2 GROUP (04.30 hrs LS)		G2-A (50%)	G2-B (50%)		
	Timinig	02.30 to 04.45	00.15 to 02.30		
	LS Hours	2.15 Hrs.	2.15 Hrs.		
	Timinig	16.30 to 18.45	19.15 to 21.30		
G3 GROUP (05.00 hrs LS)		G3-A (50%)	G3-B (50%)		
	Timinig	00.00 to 02.30	04.30 to 07.00		
	LS Hours	2:30 Hrs.	2.30 Hrs.		
	Timinig	14.00 to 16.30	21.30 to 24.00		
G3 GROUP (05.00 hrs LS)		G3-A (50%)	G3-B (50%)		
	LS Hours	2.30 Hrs.	2.30 Hrs.		

TIME SCHEDULE - Feeders under Naxalite Area

A GROUP (01:30 hrs LS)		A 1 (50%)	A 2 (50%)
	Timing	06.00 to 07.30	11.00 to 12.30
	LS Hours	01.30 Hrs	01.30 Hrs
B GROUP (02.00 hrs LS)		B 1 (50%)	B 2 (50%)
	Timing	06.00 to 08.00	14.00 to 16.00
	LS Hours	02.00 Hrs	02.00 Hrs
C GROUP (02.30 hrs LS)		C 1 (50%)	C 2 (50%)
	Timing	06.00 to 07.30	10.30 to 12.00
	LS Hours	01.30 Hrs	01.30 Hrs
	Timing	15.00 to 16.00	16.00 to 17.00
	LS Hours	01.00 Hrs	01.00 Hrs
D GROUP (03.00 hrs LS)		D 1 (50%)	D 2 (50%)
	Timing	06.30 to 08.00	10.00 to 11.30
	LS Hours	01.30 Hrs	01.30 Hrs
	Timing	12.30 to 14.00	16.30 to 18.00
	LS Hours	01.30 Hrs	01.30 Hrs
E GROUP (03.30 hrs LS)		E 1 (100%)	
	Timing	06.30 to 08.00	
	LS Hours	01.30 Hrs	
	Timing	14.00 to 16.00	
	LS Hours	02.00 Hrs	
F GROUP (04.00 hrs LS)		F 1 (100%)	
	Timing	09.00 to 11.00	
	LS Hours	02.00 Hrs	
	Timing	16.00 to 18.00	
	LS Hours	02.00 Hrs	
G1 GROUP (04.15 hrs LS)		G1 (100%)	
	Timinig	10.00 to 12.00	
	LS Hours	2.00 Hrs.	
	Timinig	15.45 to 18.00	
	LS Hours	2.15 Hrs.	
G2 GROUP (04.30 hrs LS)		G2 (100%)	
	Timinig	06.00 to 08.30	
	LS Hours	2.30 Hrs.	
	Timinig	14.00 to 16.00	
	LS Hours	2.00 Hrs.	
G3 GROUP (05.00 hrs LS)		G3 (100%)	
	Timinig	06.00 to 08.30	
	LS Hours	02.30 Hrs.	
	Timinig	13.30 to 16.00	
	LS Hours	2.30 Hrs.	