

Maharashtra State Electricity Distribution Co. Ltd.

Office of the Chief Engineer (LM), Prakashgad, Plot No.G-9, Bandra (East), Mumbai – 400 051
■ (P) 26474753, (O) 26474211 / 26472131, Fax- 26472366, Website : www.mahadiscom.in

No.SE/LM/LS/1000

Date: 14.01.2013

CIRCULAR- 46

Sub: Revised load shedding protocol.

- Ref:**
1. Circular No.43 vide No.SE/LM/LS/10400 dt. 21.04.2012.
 2. Circular No.44 vide No.SE/LM/LS/10472 dt. 23.04.2012.
 3. Circular No.45 vide No.SE/LM/LS/15423 dt. 02.06.2012.
 4. Letter No.SE/LM/20111 dt.13.7.2012.
 5. Letter No.SE/LM/23139 dt.14.8.2012.
 6. MERC Order in Case No.41 of 2012 dt.26.11.2012.
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MERC has issued order on dt.26.11.2012 in the matter of Sue-Motto Case in the matter of Load Shedding Circulars issued by MSEDCL (Case No. 41 of 2012).

Based on this order, the load shedding protocol is revised.

The broad guidelines for implementation of load shedding protocol are as below:

1. The load shedding is to be carried out considering feeder as a base.

1.1. No load shedding to Industries on Industrial feeders.

1.2. No load shedding to express feeders for Water Works, IT Parks and utilities Feeders.

2. The sheddable feeders are classified as below :

2.1. **Ag Feeders :**

This includes separated Ag. Feeders and Single Phasing scheme feeders.

2.2. **Other /Non Ag. Feeders.**

This includes Feeders having Ag. Load less than 25% of total load on the feeder.

2.3. **Ag. Dominated or mix feeders.**

This includes feeder having Ag. Load more than 25% of total load on the feeder.

3. Distribution Collection Losses (DCL) :

3.1 DCL computation -

- For computation of DCL, the weighted average collection efficiency should be considered.
- The DCL are computed by IT section .
- The DCL group of the feeder should be determined as per loss level given in the table-A below.
- In case of improvement of the DCL group as compared with previous month, the approval should be obtained from competent Authority before implementation of load shedding.

The load shedding to such feeders should be implemented as per previous group till the approval.

- In case of degraded or the same DCL as compared with previous month the load shedding should be implemented immediately without approval.
- The same process should be continued in future also.

3.2 Review of Distribution Collection Losses :

➤ Other /Non Ag. Feeders.

The DCL should be computed every month considering sliding three months including feeders having Ag. Load <25%.

➤ Ag. Dominated or mix feeders.

For the feeders having quarterly billing cycle, the DCL should be computed quarterly as per the AG billing cycle.

3.3. DCL group and load shedding -

The feeders are classified in group A to G based on Distribution Collection Loss of the feeder.

% DCL range and load shedding hrs.

Table -A

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%	3.15	0% to 21%	11.00
B	>18% to 26%	4.00	>21% to 29%	11.30
C	>26% to 34%	4.45	>29% to 37%	12.00
D	>34% to 42%	5.30	>37% to 45%	12.30
E	>42% to 50%	6.15	>45% to 53%	13.00
F	>50% to 58%	7.00	>53% to 61%	13.00
G1	>58% to 66%	7.45	>61% to 68%	13.30
G2	>66% to 74%	8.30	>68% to 76%	14.00
G3	Above 74%	9.15	Above 76%	14.00

4. Ag. Load management schemes:

4.1 Separated Ag. Feeder

The three phase availability of 10 hrs. during night time and 8 hrs. during day time is given in rotation to **Separated Ag. Feeders**.
The detailed time schedule enclosed (Annex-).

4.2 Separated Gaothan feeders will have the load shedding as per the respective group of other /non Ag feeders.

4.3 Single Phasing and Separated Ag. Feeders where SDT's are installed.

3 phase availability	8 hrs. in day time 10 hrs. in night in rotation.
Load Shedding	Six hrs. per day
Single phase Availability	18 hrs. (including 3 phase availability)

5. Lift irrigation schemes :

5.1 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,

5.2 This will not be applicable to LIS on mixed feeders.

6. Naxalite area :

6.1 The feeders in Naxalite area should be classified as non Ag/Other feeder category.

6.2 The load shedding in Naxalite area should not be carried out between 6.PM to 6 AM .

7. District head quarters:

The load shedding to the feeders under district head quarters is to be carried out,

up to 18.30 hrs. for the feeders up to E group.

up to 19.00 hrs. for the feeders in F group.

up to 19.30 hrs. for the feeders in G group.

8. Load shedding protocol for religious, tourist and heritage places.

Only the Municipal Limits of following Religious, Tourist, and Heritage places will be load shedding free subject to the condition that their feeders are having DCL% under ABCD groups.

Alibag,	Shirdi,	Panchgani,	Parali-Vj,
Matheran,	Trimbakeshwar,	Pandharpur,	Tuljapur,
Lonawala,	Mahabaleshwar,	Jejuri,	Shegaon.

If at any stage DCL % is increased more than D group , then the load shedding equivalent to its feeder DCL will be applicable and the load shedding hrs will be as below.

up to 18.30 hrs. for the feeders in E group.

up to 19.00 hrs. for the feeders in F group.

up to 19.30 hrs. for the feeders in G group.

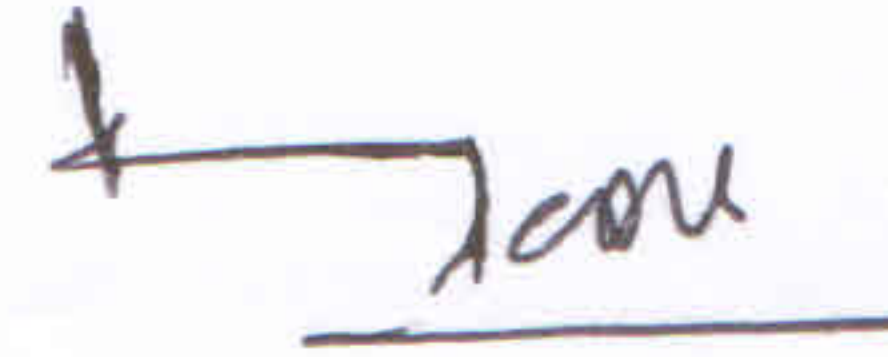
9. In case of any events, functions in the division, the withdrawal /shifting of timings of load shedding on any feeders, may be carried out by obtaining the same load relief from other feeders in that division for same time period . The concerned C.E. (O&M) is authorized to take the necessary decision accordingly. The proper record should be maintained for the same.
10. The maximum hours of unavailability of supply (including planned load Shedding, breakdowns etc.) on any feeder should not be more than 14.00 hours for Ag dominated feeders, and 9.15 hours to other/Non Ag feeders. The concerned S.E. (O&M) is authorized to take the necessary decision accordingly.
11. The program of distressed load shedding will be continued, if it becomes the requirement of the system & operated only after directives from L.D. Kalwa.
12. Daily feeder wise hourly load report shall be submitted by concerned SDO to local I.T. and local I.T. will submit the consolidated weekly report to CGM(IT),H.O., Mumbai.
13. The DCL group wise list of feeders should be submitted to this office every month.
14. Wide Publicity of the load shedding program may be given.
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.

15. Group-wise daily load shedding implemented to the feeders is to be informed to Nodal EHV sub-stations/ Load Management cell, MSEDCL, Kalwa.
16. Load Dispatch Center, Kalwa in consultation with LM Section may take the decision to withdraw/implement Load shedding as per system availability, line constraints, outages, low voltage problems etc. in the interest of system stability and security.

The above Load shedding Program is to be implemented with effect from **00.00 hrs. of 16.01.2013.**

The instructions given above should be followed scrupulously.

Encl: As above



Director (Operations)

Copy s.w.rs.to:-

- 1) The Hon. M.D., MSEDCL, Mumbai.
- 2) The Hon. M.D., MSETCL, Mumbai.
- 3) The Hon. M.D., MSPGCL, Mumbai.

Copy f.w.c .to:-

- 1) The Director (Finance) MSEDCL Mumbai.
- 2) The Director (Project), MSEDCL, Mumbai
- 3) The Director (Operations), MSETCL, Prakashganga, Mumbai.
- 4) The Director (V&S) MSEDCL Mumbai.

Copy to:-

- 1) The Executive Director Project/HR/Comm. MSEDCL, Mumbai.
- 2) The Regional Executive Director Pune/Kalyan/Nagpur.
- 3) The Executive Director Trans. O&M / Trans.Planning MSETCL, Mumbai.
- 4) All C.E.s of O&M Zones, M.S.E.T.C.L.
- 5) The Chief Engineer (SLDC), MSETCL, Kalwa.
- He is requested to incorporate daily load shedding data in the DSR and report to Load Management Section, H.O. regularly.
- 6) The Chief Engineer (LM Cell), MSEDCL, Kalwa.
- For information and necessary action.
- 7) The Chief Engineer (Gen. O&M), MSEPGL, Mumbai.
- 8) The Chief Engineer Trans. O&M, MSETCL, Mumbai.
- 9) The Chief Engineer (PP), Mumbai.
- 10) The All Chief Engineer's in H.O. Mumbai.
- 11) The Principal Consultant (Dist. Franchisee section) Mumbai.
- 12) All S.E.s O&M Circles M.S.E.D.C.L.
- 13) All S.E.s EHV O&M Circles. M.S.E.T.C.L.
- 14) All E.E.s of O&M Divisions M.S.E.D.C.L.

Copy to:-

- 1) The Suptdg. Engineer (LD), MSETCL, Ambazari, Nagpur
- 2) The Suptdg. Engineer (TRC) , H.O. Mumbai.
- 3) The Nodal officer, Bhiwandi Franchisee.

Copy s.w.r.to:-

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

TIME SCHEDULE

Other/Non-Ag Feeders

A GROUP (03.15 hrs LS)		A 1 (50%)	A 2 (50%)
	Timinig	06.00 to 07.30	07.30 to 09.15
	LS Hours	1.30 Hrs.	1.45 Hrs.
	Timinig	13.00 to 14.45	14.45 to 16.15
	LS Hours	1.45 Hrs.	1.30 Hrs.
A GROUP (District HQ) (03.15 hrs LS)		A 1 (50%)	A 2 (50%)
	Timinig	07.30 to 09.00	09.00 to 10.45
	LS Hours	1.30 Hrs.	1.45 Hrs.
	Timinig	14.30 to 16.15	16.15 to 17.45
	LS Hours	1.45 Hrs.	1.30 Hrs.
B GROUP (04.00 hrs LS)		B 1 (50%)	B 2 (50%)
	Timinig	08.00 to 10.00	10.00 to 12.00
	LS Hours	2.00 Hrs.	2.00 Hrs.
	Timinig	14.00 to 16.00	16.00 to 18.00
	LS Hours	2.00 Hrs.	2.00 Hrs.
B GROUP (District HQ) (04.00 hrs LS)		B 1 (50%)	B 2 (50%)
	Timinig	07.30 to 09.30	09.30 to 11.30
	LS Hours	2.00 Hrs.	2.00 Hrs.
	Timinig	14.00 to 16.00	16.00 to 18.00
	LS Hours	2.00 Hrs.	2.00 Hrs.
C GROUP (04.45 hrs LS)		C 1 (50%)	C 2 (50%)
	Timinig	07.00 to 09.30	09.30 to 11.45
	LS Hours	2.30 Hrs.	2.15 Hrs.
	Timinig	14.45 to 17.00	15.30 to 18.00
	LS Hours	2.15 Hrs.	2.30 Hrs.
C GROUP (District HQ) (04.45 hrs LS)		C 1 (50%)	C 2 (50%)
	Timinig	06.00 to 08.30	08.30 to 10.45
	LS Hours	2.30 Hrs.	2.15 Hrs.
	Timinig	13.45 to 16.00	16.00 to 18.30
	LS Hours	2.15 Hrs.	2.30 Hrs.
D GROUP (05.30 hrs LS)		D 1 (50%)	D 2 (50%)
	Timinig	06.30 - 09.15	08.00 - 10.45
	LS Hours	2.45 Hrs.	2.45 Hrs.
	Timinig	15.15 - 18.00	15.45 - 18.30
	LS Hours	2.45 Hrs.	2.45 Hrs.
D GROUP (District HQ) (05.30 hrs LS)		D 1 (50%)	D 2 (50%)
	Timinig	06.00 to 08.45	08.45 to 11.30
	LS Hours	2.45 Hrs.	2.45 Hrs.
	Timinig	12.30 to 15.15	15.45 to 18.30
	LS Hours	2.45 Hrs.	2.45 Hrs.

TIME SCHEDULE

Other/Non-Ag Feeders

E GROUP (06.15 hrs LS)		E 1 (50%)	E 2 (50%)
	Timinig	06.00 to 09.15	11.00 to 14.15
	LS Hours	3.15 Hrs.	3.15 Hrs.
	Timinig	17.15 to 20.15	17.15 to 20.15
	LS Hours	3.00 Hrs.	3.00 Hrs.

E GROUP (District HQ) (06.15 hrs LS)		E 1 (50%)	E 2 (50%)
	Timinig	06.00 to 09.00	09.00 to 12.15
	LS Hours	3.00 Hrs.	3.15 Hrs.
	Timinig	12.15 to 15.30	15.30 to 18.30
	LS Hours	3.15 Hrs.	3.00 Hrs.

F GROUP (07.00 hrs LS)		F 1 (50%)	F 2 (50%)
	Timinig	05.30 to 09.00	10.00 to 13.30
	LS Hours	3.30 Hrs.	3.30 Hrs.
	Timinig	17.00 to 20.30	17.00 to 20.30
	LS Hours	3.30 Hrs.	3.30 Hrs.

F GROUP (District HQ) (07.00 hrs LS)		F 1 (50%)	F 2 (50%)
	Timinig	06.00 to 09.30	09.30 to 13.00
	LS Hours	3.30 Hrs.	3.30 Hrs.
	Timinig	11.30 to 15.00	15.30 to 19.00
	LS Hours	3.30 Hrs.	3.30 Hrs.

TIME SCHEDULE

Other/Non-Ag Feeders

G1 GROUP (07.45 hrs LS)		G1 (100%)
	Timinig	06.00 to 08.45
	LS Hours	2.45 Hrs.
	Timinig	12.00 to 15.00
	LS Hours	3.00 Hrs.
	Timinig	19.00 to 21.00
	LS Hours	2.00 Hrs.

G1 GROUP (District HQ) (07.45 hrs LS)		G1 (100%)
	Timinig	06.00 to 10.00
	LS Hours	4.00 Hrs.
	Timinig	15.45 to 19.30
	LS Hours	3.45 Hrs.

G2 GROUP (08.30 hrs LS)		G2 (100%)
	Timinig	05.30 to 08.30
	LS Hours	3.00 Hrs.
	Timinig	11.00 to 14.00
	LS Hours	3.00 Hrs.
	Timinig	19.00 to 21.30
	LS Hours	2.30 Hrs.

G2 GROUP (District HQ) (08.30 hrs LS)		G2 (100%)
	Timinig	06.00 to 10.30
	LS Hours	4.30 Hrs.
	Timinig	15.30 to 19.30
	LS Hours	4.00 Hrs.

G3 GROUP (09.15 hrs LS)		G3 (100%)
	Timinig	05.30 to 08.30
	LS Hours	3.00 Hrs.
	Timinig	11.30 to 14.45
	LS Hours	3.15 Hrs.
	Timinig	19.00 to 22.00
	LS Hours	3.00 Hrs.

G3 GROUP (District HQ) (09.15 hrs LS)		G3 (100%)
	Timinig	06.00 to 10.45
	LS Hours	4.45 Hrs.
	Timinig	15.00 to 19.30
	LS Hours	4.30 Hrs.

TIME SCHEDULE Mixed/Ag Dominated FEEDERS

A GROUP (11.00 hrs. LS)		A 1 (50%)	A 2 (50%)
	Timinig	02.00 to 07.30	07.30 to 13.00
	LS Hours	5.30 Hrs.	5.30 Hrs.
	Timinig	13.00 to 18.30	18.30 to 24.00
	LS Hours	5.30 Hrs.	5.30 Hrs.
B GROUP (11.30 hrs. LS)		B 1 (50%)	B 2 (50%)
	Timinig	00.30 to 06.15	06.15 to 12.00
	LS Hours	5.45 Hrs.	5.45 Hrs.
	Timinig	12.00 to 17.45	17.45 to 23.30
	LS Hours	5.45 Hrs.	5.45 Hrs.
C GROUP (12.00 hrs. LS)		C 1 (50%)	C 2 (50%)
	Timinig	00.30 to 06.00	06.00 to 12.30
	LS Hours	5.30 Hrs.	6.30 Hrs.
	Timinig	11.30 to 18.00	18.00 to 23.30
	LS Hours	6.30 Hrs.	5.30 Hrs.
D GROUP (12.30 hrs. LS)		D 1 (50%)	D 2 (50%)
	Timinig	01.00 to 05.30	05.30 to 13.30
	LS Hours	4.30 Hrs.	8.00 Hrs.
	Timinig	10.30 to 18.30	18.30 to 23.00
	LS Hours	8.00 Hrs.	4.30 Hrs.

TIME SCHEDULE Mixed/Ag Dominated FEEDERS

E GROUP (13.00 hrs. LS)		E 1 (50%)	E 2 (50%)
	Timinig	23.30 to 04.30	05.30 to 13.30
	LS Hours	5.00 Hrs.	8.00 Hrs.
	Timinig	09.00 to 17.00	19.30 to 00.30
	LS Hours	8.00 Hrs.	5.00 Hrs.

F GROUP (13.00 hrs. LS)		F 1 (50%)	F 2 (50%)
	Timinig	00.30 to 05.30	05.30 to 13.30
	LS Hours	5.00 Hrs.	8.00 Hrs.
	Timinig	10.30 to 18.30	18.30 to 23.30
	LS Hours	8.00 Hrs.	5.00 Hrs.

G1 GROUP (13.30 hrs. LS)		G1- (100%)
	Timinig	05.00 to 13.30
	LS Hours	8.30 Hrs.
	Timinig	19.00 to 24.00
	LS Hours	5.00 Hrs.

G2 GROUP (14.00 hrs. LS)		G2- (100%)
	Timinig	05.00 to 14.00
	LS Hours	9.00 Hrs.
	Timinig	19.00 to 24.00
	LS Hours	5.00 Hrs.

G3 GROUP (14.00 hrs. LS)		G3- (100%)
	Timinig	05.00 to 14.00
	LS Hours	9.00 Hrs.
	Timinig	19.00 to 24.00
	LS Hours	5.00 Hrs.

TIME SCHEDULE - Feeders under Naxalite Area

A GROUP (03.15 hrs LS)		A 1 (50%)	A 2 (50%)
	Timing	06.00 to 07.30	07.30 to 09.15
	LS Hours	1.30 Hrs	1.45 Hrs
	Timing	13.00 to 14.45	14.45 to 16.15
	LS Hours	1.45 Hrs	1.30 Hrs
B GROUP (04.00 hrs LS)		B 1 (50%)	B 2 (50%)
	Timing	06.00 to 08.00	08.00 to 10.00
	LS Hours	02.00 Hrs	02.00 Hrs
	Timing	12.30 to 14.30	14.30 to 16.30
	LS Hours	02.00 Hrs	02.00 Hrs
C GROUP (04.45 hrs LS)		C 1 (50%)	C 2 (50%)
	Timing	06.00 to 08.30	08.30 to 10.45
	LS Hours	2.30 Hrs	2.15 Hrs
	Timing	11.45 to 14.00	14.00 to 16.30
	LS Hours	2.15 Hrs	2.30 Hrs
D GROUP (05.30 hrs LS)		D 1 (50%)	D 2 (50%)
	Timing	06.00 to 08.45	08.45 to 11.30
	LS Hours	02.45 Hrs	02.45 Hrs
	Timing	12.00 to 14.45	14.45 to 17.30
	LS Hours	02.45 Hrs	02.45 Hrs
E GROUP (06.15 hrs LS)		E 1 (100%)	
	Timing	06.00 to 09.15	
	LS Hours	03.15 Hrs	
	Timing	15.00 to 18.00	
	LS Hours	03.00 Hrs	
F GROUP (07.00 hrs LS)		F 1 (100%)	
	Timing	06.00 to 09.30	
	LS Hours	3.30 Hrs	
	Timing	14.30 to 18.00	
	LS Hours	3.30 Hrs	
G1 GROUP (District HQ) (07.45 hrs LS)		G1 (100%)	
	Timinig	06.00 to 10.00	
	LS Hours	4.00 Hrs.	
	Timinig	14.15 to 18.00	
	LS Hours	3.45 Hrs.	
G2 GROUP (District HQ) (08.30 hrs LS)		G2 (100%)	
	Timinig	06.00 to 10.30	
	LS Hours	4.30 Hrs.	
	Timinig	14.00 to 18.00	
	LS Hours	4.00 Hrs.	
G3 GROUP (District HQ) (09.15 hrs LS)		G3 (100%)	
	Timinig	06.00 to 10.45	
	LS Hours	4.45 Hrs.	
	Timinig	13.30 to 18.00	
	LS Hours	4.30 Hrs.	

Zonewise Average Load of AG LM Schemes & Time schedule of 3 Phase availability

	ZONE	Districts	Average load of		3 phase availability to AG LM Schemes	Hours	3 phase availability to AG LM Schemes	Hours
			Single phasing	Seperated AG Feeder				
			MW	MW	Slot 1		Slot 2	
1	Kolhapur Zone	Kolhapur,Sangli	8	583	22:00 to 08:00	10.00	08:00 to 16:00	8.00
2	Baramati Zone	Baramati,Satara,Solapur	352	870	22:30 to 08:30	10.00	08:30 to 16:30	8.00
3	Nashik Zone	Ahmednagar,Nashik	453	849	23:00 to 09:00	10.00	09:00 to 17:00	8.00
4	Aurangabad Zone	Aurangabad,Jalna	204	259	23:30 to 09:30	10.00	09:30 to 17:30	8.00
5	Pune Zone	Pune	175	52	23:00 to 09:00	10.00	09:00 to 17:00	8.00
6	Latur Zone	Latur,Beed,Osmanabad	459	622	23:45 to 09:45	10.00	09:45 to 17:45	8.00
7	Jalgaon Zone	Jalgaon,Dhule,Nandurbar	160	457	00:00 to 10:00	10.00	10:00 to 18:00	8.00
8	Nanded Zone	Nanded,Hingoli,Parbhani	184	367	00:30 to 10:30	10.00	10:30 to 18:30	8.00
9	Amravati Zone	Amravati,Akola,Yavatmal, Washim,Buldhana	154	432	23:30 to 09:30	10.00	09:30 to 17:30	8.00
10	Nagpur Urban Zone	Nagpur,Bhandara,Wardha,	151	2	23:45 to 09:45	10.00	09:45 to 17:45	8.00
	Nagpur Rural Zone	Chandrapur,Gadchiroli	77	43				
TOTAL			2378	4537				

Time Schedule of AG. LM Schemes for Kolhapur Zone

Districts : Kolhapur, Sangli Single Phasing Scheme Feeders

	3 Phase Availability			Load Shedding			Single Phasing		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
S-I(50% Load)	22-00	08-00	10-00	08-00	14-00	6-00	14-00	22-00	08-00
S-II(50% Load)	08-00	16-00	08-00	02-00	08-00	6-00	16-00	02-00	10-00

Separated Agricultural feeders

	3 Phase Availability			Load Shedding		
	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	22-00	08-00	10-00	08-00	22-00	14-00
Part-II(50 %)	08-00	16-00	08-00	16-00	08-00	16-00

Separated Agricultural feeders on which SDT are installed

	3 Phase Availability			Load Shedding			SDT availability		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	22-00	08-00	10-00	08-00	14-00	6-00	14-00	22-00	08-00
Part-II(50 %)	08-00	16-00	08-00	02-00	08-00	6-00	16-00	02-00	10-00

Time Schedule of AG. LM Schemes for Baramati Zone

Districts : Baramati, Satara, Solapur

Single Phasing Scheme Feeders

	3 Phase Availability			Load Shedding			Single Phasing		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
S-I(50% Load)	22-30	08-30	10-00	08-30	14-30	6-00	14-30	22-30	08-00
S-II(50% Load)	08-30	16-30	08-00	02-30	08-30	6-00	16-30	02-30	10-00

Separated Agricultural feeders

	3 Phase Availability			Load Shedding		
	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	22-30	08-30	10-00	08-30	22-30	14-00
Part-II(50 %)	08-30	16-30	08-00	16-30	08-30	16-00

Separated Agricultural feeders on which SDT are installed

	3 Phase Availability			Load Shedding			SDT availability		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	22-30	08-30	10-00	08-30	14-30	6-00	14-30	22-30	08-00
Part-II(50 %)	08-30	16-30	08-00	02-30	08-30	6-00	16-30	02-30	10-00

Time Schedule of AG. LM Schemes for Nashik Zone

Districts : Ahmednagar, Nashik

Single Phasing Scheme Feeders

	3 Phase Availability			Load Shedding			Single Phasing		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
S-I(50% Load)	23-00	09-00	10-00	09-00	15-00	6-00	15-00	23-00	08-00
S-II(50% Load)	09-00	17-00	08-00	03-00	09-00	6-00	17-00	03-00	10-00

Separated Agricultural feeders

	3 Phase Availability			Load Shedding		
	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	23-00	09-00	10-00	09-00	23-00	14-00
Part-II(50 %)	09-00	17-00	08-00	17-00	09-00	16-00

Separated Agricultural feeders on which SDT are installed

	3 Phase Availability			Load Shedding			SDT availability		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	23-00	09-00	10-00	09-00	15-00	6-00	15-00	23-00	08-00
Part-II(50 %)	09-00	17-00	08-00	03-00	09-00	6-00	17-00	03-00	10-00

Time Schedule of AG. LM Schemes for Aurangabad Zone

Districts : Aurangabad, Jalna

Single Phasing Scheme Feeders

	3 Phase Availability			Load Shedding			Single Phasing		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
S-I(50% Load)	23-30	09-30	10-00	09-30	15-30	6-00	15-30	23-30	08-00
S-II(50% Load)	09-30	17-30	08-00	03-30	09-30	6-00	17-30	03-30	10-00

Separated Agricultural feeders

	3 Phase Availability			Load Shedding		
	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	23-30	09-30	10-00	09-30	23-30	14-00
Part-II(50 %)	09-30	17-30	08-00	17-30	09-30	16-00

Separated Agricultural feeders on which SDT are installed

	3 Phase Availability			Load Shedding			SDT availability		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	23-30	09-30	10-00	09-30	15-30	6-00	15-30	23-30	08-00
Part-II(50 %)	09-30	17-30	08-00	03-30	09-30	6-00	17-30	03-30	10-00

Time Schedule of AG. LM Schemes for Pune Zone

Districts : Pune

Single Phasing Scheme Feeders

	3 Phase Availability			Load Shedding			Single Phasing		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
S-I(50% Load)	23-00	09-00	10-00	09-00	15-00	6-00	15-00	23-00	08-00
S-II(50% Load)	09-00	17-00	08-00	03-00	09-00	6-00	17-00	03-00	10-00

Separated Agricultural feeders

	3 Phase Availability			Load Shedding		
	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	23-00	09-00	10-00	09-00	23-00	14-00
Part-II(50 %)	09-00	17-00	08-00	17-00	09-00	16-00

Separated Agricultural feeders on which SDT are installed

	3 Phase Availability			Load Shedding			SDT availability		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	23-00	09-00	10-00	09-00	15-00	6-00	15-00	23-00	08-00
Part-II(50 %)	09-00	17-00	08-00	03-00	09-00	6-00	17-00	03-00	10-00

Time Schedule of AG. LM Schemes for Latur Zone

Districts : Latur, Beed, Osmanabad
Single Phasing Scheme Feeders

	3 Phase Availability			Load Shedding			Single Phasing		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
S-I(50% Load)	23-45	09-45	10-00	09-45	15-45	6-00	15-45	23-45	08-00
S-II(50% Load)	09-45	17-45	08-00	03-45	09-45	6-00	17-45	03-45	10-00

Separated Agricultural feeders

	3 Phase Availability			Load Shedding		
	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	23-45	09-45	10-00	09-45	23-45	14-00
Part-II(50 %)	09-45	17-45	08-00	17-45	09-45	16-00

Separated Agricultural feeders on which SDT are installed

	3 Phase Availability			Load Shedding			SDT availability		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	23-45	09-45	10-00	09-45	15-45	6-00	15-45	23-45	08-00
Part-II(50 %)	09-45	17-45	08-00	03-45	09-45	6-00	17-45	03-45	10-00

Time Schedule of AG. LM Schemes for Jalgaon Zone

Districts : Jalgaon, Dhule, Nandurbar

Single Phasing Scheme Feeders

	3 Phase Availability			Load Shedding			Single Phasing		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
S-I(50% Load)	00-00	10-00	10-00	10-00	16-00	6-00	16-00	00-00	08-00
S-II(50% Load)	10-00	18-00	08-00	04-00	10-00	6-00	18-00	04-00	10-00

Separated Agricultural feeders

	3 Phase Availability			Load Shedding		
	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	00-00	10-00	10-00	10-00	00-00	14-00
Part-II(50 %)	10-00	18-00	08-00	18-00	10-00	16-00

Separated Agricultural feeders on which SDT are installed

	3 Phase Availability			Load Shedding			SDT availability		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	00-00	10-00	10-00	10-00	16-00	6-00	16-00	00-00	08-00
Part-II(50 %)	10-00	18-00	08-00	04-00	10-00	6-00	18-00	04-00	10-00

Time Schedule of AG. LM Schemes for Nanded Zone

Districts : Nanded, Hingoli, Parbhani

Single Phasing Scheme Feeders

	3 Phase Availability			Load Shedding			Single Phasing		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
S-I(50% Load)	00-30	10-30	10-00	10-30	16-30	6-00	16-30	00-30	08-00
S-II(50% Load)	10-30	18-30	08-00	04-30	10-30	6-00	18-30	04-30	10-00

Separated Agricultural feeders

	3 Phase Availability			Load Shedding		
	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	00-30	10-30	10-00	10-30	00-30	14-00
Part-II(50 %)	10-30	18-30	08-00	18-30	10-30	16-00

Separated Agricultural feeders on which SDT are installed

	3 Phase Availability			Load Shedding			SDT availability		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	00-30	10-30	10-00	10-30	16-30	6-00	16-30	00-30	08-00
Part-II(50 %)	10-30	18-30	08-00	04-30	10-30	6-00	18-30	04-30	10-00

Time Schedule of AG. LM Schemes for Amravati Zone

Districts : Amravati, Akola, Yavatmal, Washim, Buldhana

Single Phasing Scheme Feeders

	3 Phase Availability			Load Shedding			Single Phasing		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
S-I(50% Load)	23-30	09-30	10-00	09-30	15-30	6-00	15-30	23-30	08-00
S-II(50% Load)	09-30	17-30	08-00	03-30	09-30	6-00	17-30	03-30	10-00

Separated Agricultural feeders

	3 Phase Availability			Load Shedding		
	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	23-30	09-30	10-00	09-30	23-30	14-00
Part-II(50 %)	09-30	17-30	08-00	17-30	09-30	16-00

Separated Agricultural feeders on which SDT are installed

	3 Phase Availability			Load Shedding			SDT availability		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	23-30	09-30	10-00	09-30	15-30	6-00	15-30	23-30	08-00
Part-II(50 %)	09-30	17-30	08-00	03-30	09-30	6-00	17-30	03-30	10-00

Time Schedule of AG. LM Schemes for Nagpur U.& Nagpur R. Zone

Districts : Nagpur, Bhandara, Chandrapur, Gadchiroli, Wardha

Single Phasing Scheme Feeders

	3 Phase Availability			Load Shedding			Single Phasing		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
S-I(50% Load)	23-45	09-45	10-00	09-45	15-45	6-00	15-45	23-45	08-00
S-II(50% Load)	09-45	17-45	08-00	03-45	09-45	6-00	17-45	03-45	10-00

Separated Agricultural feeders

	3 Phase Availability			Load Shedding		
	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	23-45	09-45	10-00	09-45	23-45	14-00
Part-II(50 %)	09-45	17-45	08-00	17-45	09-45	16-00

Separated Agricultural feeders on which SDT are installed

	3 Phase Availability			Load Shedding			SDT availability		
	From	To	Period	From	To	Period	From	To	Period
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
Part-I(50 %)	23-45	09-45	10-00	09-45	15-45	6-00	15-45	23-45	08-00
Part-II(50 %)	09-45	17-45	08-00	03-45	09-45	6-00	17-45	03-45	10-00