

**Office of the
Chairman Discoms,
VIDYUT BHAWAN, JYOTI NAGAR, JAIPUR-302005
Phone Office :0141-2744965, Fax-2744187**

No .Chairman (Discoms)/F.TA/D: 247

Jaipur, Dated: 19.9.16

STANDING ORDER NO.16/01-B

Measures for Loss Reduction

This is in continuation to Standing Order No 16/01 & 16/01-A.

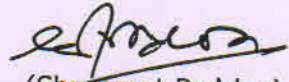
Since the Feeder In-charge have been posted on 11 kV rural feeders in the rural area of distribution companies, it is now possible to monitor the various parameters relating to feeder improvement on daily basis and monthly basis by the Feeder In-charge and the Junior Engineer.

- 2 For this purpose, Feeder In-charge should maintain a Daily Diary as per the enclosed format. In this Daily Diary , the Feeder In-charge will note down on daily basis the status of trippings, burning of transformers as well as the load in single phase and three phase system captured from feeder meter.
- 3 Similarly 20 point monthly output data (as per the enclosed format) should be prepared by Feeder In-charge and the Junior Engineer on the basis of Daily Diary maintained by Feeder In-charge and from the 18-A, 18-B & 18-C output data generated by Computer Agency. The information in these two formats shall enable the Feeder In-charge and the Junior Engineer to not only monitor the vital parameters of feeder but also to initiate necessary corrective action on daily/ weekly basis.
- 4 The break-up of distribution losses in single phase and three phase hours is unique feature of the 20 point output. This data will enable the management to know separately the losses on single phase and three phase system so that in case the single phase losses are higher than 15%, necessary action is taken to reduce the same, even if the total losses of the feeder is within 15%.
- 5 The targets of the operating efficiency on the 11 kV feeder are hereby set as under:-
 - I. DT failure rate: not more than 0.2% per month.
 - II. Trippings: not more than 3 per month
 - III. Power Factor: not less than 0.98 %
 - IV. Three phase load :
 - (a) Off season: less than 1.1 Amp. per 100 HP
 - (b) Season: less than 4.7 Amp. per 100 HP
 - V. Single phase load :
 - (a) Off peak hour: less than 4.3 Amp. per 100 single phase consumers
 - (b) Peak hour: less than 5.6 Amp. per 100 single phase consumers



- 6 It is hereby enjoined upon all concerned that the daily diary to be maintained by Feeder In-charge should be printed and made available to all Feeder In-charge and a printed register with format as 20 point monthly output data should be provided to the Junior Engineers. These registers should be maintained adequately and should be available during inspection by various officers who will sign the register after the inspection with their observation if any.

Encl : Formats for Daily Diary &
20 Point Monthly Output Data


(Shreemat Pardey)
Chairman Discoms
19/9/2016

Copy to the following for information and necessary action:-

1. CE /ACE (HQ/MM/Training & Safety-CSS) Jaipur/ Ajmer/ Jodhpur Discom_____
2. ZCE Jaipur/Ajmer/Jodhpur Discom_____
3. SE(O&M/Vig/Comm/M&P/TW/Plan/IT/MM/Proc/RE/MIS),Jaipur/Ajmer/ Jodhpur Discom, Jaipur/ Ajmer/Jodhpur _____
4. ASP (Vig.), Jaipur/Ajmer/Jodhpur Discom,Jaipur/Ajmer/ Jodhpur
5. CAO (Revenue & Control)/ FM-W&M/(I/A)/ Consultant (ATR), Jaipur/ Ajmer/ Jodhpur Discom_____
6. Secy. (Admn.), Jaipur/Ajmer/Jodhpur Discom, Jaipur/Ajmer /Jodhpur.
7. Company Secretary, Jaipur/Ajmer/Jodhpur Discom, Jaipur/ Ajmer/Jodhpur
8. PS to Pr. Secy. Energy, GoR, Jaipur
9. PS to Advisor-Energy, GoR, Jaipur
10. TA to MD Jaipur/Ajmer/Jodhpur Discom, Jaipur/Ajmer/ Jodhpur.
11. PA to Dir. (Tech/Fin), Jaipur/Ajmer/Jodhpur Discom, Jaipur /Ajmer/Jodhpur.
12. Media consultant/PRO, Jaipur/Ajmer/Jodhpur Discom _____


SE-TA to Chairman-Discoms

Feeder Incharge Daily Diary

Name of Month:

Name of Feeder:

Name of Feeder Incharge:

Name of Sub-Office:

No. of 3-Ph Transformers installed:

No. of 1-Ph Transformers installed:

Feeder Code:

Mobile no.

Name of Sub-Div.:

Connected load 3-Ph (HP):

No. of 1-Ph consumers:

S.No.	Particulars	Unit	Date																																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
1	Cable cuts	Detected Nos.																																		
2	Welding broken	Repaired Nos.																																		
3	Transformers	Detected Nos.																																		
4	Transformers	Repaired Nos.																																		
5	1-Ph defective meters	Detected Nos.																																		
6	1-Ph unauthorised motors	Replaced Nos.																																		
7	3-Ph Transformers	Detected Nos.																																		
8	3-Ph Transformers	Failed Nos.																																		
9	1-Ph Transformers	Replaced Nos.																																		
10	1-Ph Transformers	Failed Nos.																																		
11	Trippings	Replaced Nos.																																		
12	PF	Nos.																																		
13	1-Ph load	Peak Hrs Amp																																		
14	1-Ph load	Off Peak Hrs Amp																																		
15	3-Ph (Block Hours) load	Season Amp																																		
16	3-Ph (Block Hours) load	Off Season Amp																																		
17	Daily Consumption	KWh																																		

Initials of visiting officer

Normative Values

- 1 DI failures < 0.2% per month
 - 2 Tripping < 3 per month
 - 3 Power Factor > 0.99
 - 4 1-Phase Load(Amp) Peak Hours Less than 5.5 Amp per 100 1-Ph Consumers
 - 5 3-Phase Load (Amp) Season Off Season Less than 4.7 Amp per 100 HP
- ⁴ Load (Amp) will be filled after multiplying with WF



20 Points Monthly Output Data

Reporting Month:

Name of 11 KV Feeder

Feeder Code

Name of Feeder Incharge

Mobile no.

Name of 33/11 KV Sub-Station

Name of Sub-Office

Name of Sub-Division

S.No.	Parameters	Unit	Oct-16		Nov-16		Dec-16		During the Month	Upto the Month
			During the Month	Upto the Month	During the Month	Upto the Month	During the Month	Upto the Month		
1	Consumers (1-Phase)	Nos.	NA		NA		NA		NA	
2	Consumers (3-Phase)	Nos.	NA		NA		NA		NA	
3	Transformers (1-Phase)	Nos.	NA		NA		NA		NA	
4	Transformers (3-Phase)	Nos.	NA		NA		NA		NA	
5	Defective Meter (1-Phase)	%								
6	Drawl (1-Phase)	KWh								
7	Drawl (3-Phase)	KWh								
8	Total Drawl	KWh								
9	Sold (1-Phase)	KWh								
10	Sold (3-Phase)	KWh								
11	Total sold	KWh								
12	Distribution loss (1-Phase)	%								
13	Distribution loss (3-Phase)	%								
14	Distribution loss (Total)	%								
15	Tripping	Nos.								
16	PF									
17	DT failure (1-Phase)	%								
18	DT failure (3-Phase)	%								
19	Assessment /Unit Drawl									
20	Realisation	%								
Initials of visiting officer										

Standard Parameters

- 1 Distribution Loss level < 15%
- 2 Tripping < 3 per month & < 36 per annum
- 3 Power Factor > 0.99
- 4 DT Failure < 0.2% per month & < 2.4% per annum

*Billing month of Oct-16 corresponds to consumption month of Sept.16 and so on.

