

UTTARAKHAND POWER CORPORATION LTD

Urja Bhawan, Kanwali Road, Dehradun-248 001
Tel.0135-2768876, Fax No.0135-2763570/2768867
EPBX No. 0135-2763672-73-74-75 Extn. -102/116



mRrjk[km ikoj dkjikjsku fy0
Å tiz Hkou] dkoyh ekx] ngjknw&248 001
rjg Hkk'k %0135&2768876 QDI % 0135&2763570@2768867
i hch, DI & 0135&2763672&73&74&75 foLrkj 102@116

i = 10 % 953 @I h0th0, e@mi kdkfy@

fnukad%& 13-09-2007

Subject: Instructions No.-2-Regarding monthly target for checking and study of consumers.

General Manager (Distn.)
Uttarakhand Power Corporation Ltd.
Garhwal Zone/ Kumaon Zone.
Pauri/ Haldwani.

It has been noticed that Line Losses and A.T & C. losses are alarmingly high in all areas of your zone and steps are not being taken to control pilferage/ theft of energy. Monthly targets for checking of consumers and study of consumers in prescribed performance had already been fixed by previous orders. In this regard, targets for checking of consumers are being intimated again as follows :-

MONTHLY TARGET FOR CHECKING OF CONSUMERS ABOVE 25 HP;

I-	General Manager (D)	: 10 Nos. consumers.(At least 3 consumers should be more than 500 KVA)
II-	Dy.General Manager(D)	:15 Nos. consumers.(At least 3 consumers should be more than100 KVA)
III-	Executive Eengineer (D)	:20 Nos. consumers.(At least 10 consumers should be more than 50 HP)
IV-	Sub Divisional Officer	:25 Nos. consumers.(At least 10 consumers should be more than 25 H.P. upto 500 KVA)
V-	All Junior Engineer	:250 Consumers of Division (Upto 25 HP)

Executive Engineer (Distn.) should ascertain 100 % checking of all consumers having contracted load 50 HP and above at least once in a year.

TARGET FOR STUDY OF CONSUMERS:

- (i) **Above 500 KVA and upto 1000 KVA:** Study of all consumers is to be done by Executive Engineer (Distn.) and Executive Engineer (Test) jointly at least 2 consumers per month and all consumers once in a year/
- (ii) **Above 1000 KVA :** Study of all consumers is to be done by Ex. Engineer(Distn.) and Executive Engineer (Test) in presence of DGM(Dist.) and at least 2 consumers per month and all consumers once in a year.

At the time of study of the consumers, in addition to other prescribed studies, following points should be specifically considered :-

- 1- MRI Reports of at least last 12 months (both the ends of the feeder in case of Independent feeder) should be analysed and compared. On analysis of parameter of MRI, if any parameter indicates that there is theft/ suspected theft by consumer, then it should be taken up on top priority and necessary action should be taken against the consumer and abnormality should be recorded in the study report.
- 2- In case of study of consumer/ consumers on 33 KV Independent feeder, line losses of the following 33 KV line should be analysed and remark should be recorded in the study report :-
 - I- Line losses of at least last 12 months of the concerning 33 KV Independent feeder emanating from 132 KV Sub-stations and 33 KV Sub-stations.
 - II- Line losses of at least 12 months of complete 33 KV line emanating from 33 KV breaker at 132 KV Sub-station feeding to the concerning 33 KV Independent feeder, emanating from 33 KV Sub-stations.

Minimum monthly line losses at point 2 (I) and 2 (II) should be compared with the line losses of other months and difference should be recorded and to be analyzed. Monthly line losses at point 2 (I) and 2 (II) should also be compared with technical losses of concerned 33 KV line calculated by I^2R method. In calculation of technical losses by I^2R method, the resistance should be taken by the length of line and size of the conductor and current should be taken by dividing total energy in (KVAh) fed in the line during the month by ($\sqrt{3}$ Kilo Volt x Hours). Lost KVAH in month will be $(3 I^2 R \times 24 \times \text{no. of days}) / 1000$.

In case there is a difference between technical losses and actual line losses responsibility should be fixed up on concerned Officers/ Official, if necessary. It should be examined that in calculation of above actual line losses whether there has been any assessment on any of the meter and if so why and whether, it's a continuous practice to hide facts. Basis of assessment should also be reocoded.

The monthly progress report of checking should be submitted to the undersigned upto 15 of the month alongwith all the documents as above.

(J.M. Lal)
Chief General Manager(Operation)

No. 953 /CGM(O&M)/UPCL of date: 13-09-2007

Copy to following for information and necessary action :

- 1- Dy. General Manager, Urban/ Electricity Distn. Circle, Dehradun
- 2- Dy. General Manager, Electricity Distn. Circle, Roorkee.
- 3- Dy. General Manager, Electricity Distn. Circle, Srinagar(G).
- 4- Dy. General Manager, Electricity Distn. Circle, Haldwani.
- 5- Dy. General Manager, Electricity Distn. Circle, Kashipur.
- 6- Dy. General Manager, Electricity Distn. Circle, Ranikhet..
- 7- All Executive Engineer(Distribution), U.P.C.L.
- 8- All Executive Engineer(Test), U.P.C.L.

(J.M. Lal)
Chief General Manager(Operation