

**DAKSHIN HARYANA BIJLI VITRAN NIGAM LIMITED**

**Instruction No. 6 /2006/PD&C**

From

The Chief Engineer/PD&C,  
DHBVNL, Hisar.

To

All Superintending Engineers/OP  
Under DHBVNL.

Memo No.Ch. /  
Dated:29.6.2006

**Subject: Segregation of Rural Domestic load from  
Agricultural Tubewell load – creating separate  
feeders for both categories**

As you already know the Management has decided to segregate the rural domestic load from tubewell load under DHBVNL.

**Hon'ble C.M., Haryana has also announced that all the  
above works shall be completed within eighteen months.**

The information for preparation of schemes was asked from your offices through Xen./Monitoring, DHBVNL, Hisar as per proforma attached. However, the same has not yet been received from any of the circles.

We have no time to waste on collection of information as we require to prepare the schemes and arrange loans from various sources on top priority - only then the work will be started.

As such, the **segregation of feeders schemes** may be prepared.

Basically three modes of separation/segregation of feeders are under consideration of management:

- a) Totally separate feeders (three phase) complete with separate VCBs at sub-stations
- b) Totally separate feeders - Rajasthan pattern – in Rajasthan they are making a new feeder completely but of single phase - for domestic supply and with single phase transformers in villages for domestic users.
- c) Bifurcation of existing feeder with technology - RLMS – rural load management system with PLC (programmable logic controller – Karnataka model) i.e. controllers are put on existing tubewell transformers. The PLC ensures that

transformers operate only at scheduled times. This model ensures that existing feeder itself is used – no new feeder is created. Feeder is given 24 hour supply and load on feeder is reduced by dividing load into three separate parts – by fixing separate operating times for transformers i.e. time zones of eight hours each. In this case, no controllers are put on village transformers, thus ensuring that villages get 24 hour supply.

However the various pros and cons of above models are still under consideration.

But for the time being you are advised that totally new feeders are to be created for rural domestic supply and estimates may be framed accordingly. You are aware that new feeder also implies that VCBs have to be added at sub-stations – therefore when you formulate estimates for new feeders, kindly includes provision for VCBs (internal or external type VCB as per situation at sub-station) in the estimates. If there is need to create separate new switching stations for 11 kv level near the sub-stations of 66 and 132 level, they may be also included in the projects.

The information asked for earlier by XEN Monitoring may also kindly be supplied prior to submission of schemes i.e. by 7<sup>th</sup> of July 2006 positively so as to finalise the strategy.

We expect new schemes for all feeders within 15 days positively.

**Treat it as URGENT**

DA/As above

**ChiefEngineer/PD&C,  
DHBVNL, Hisar.**

CC:

1. Sr.P.S. to Managing Director, DHBVNL, Hisar for the kind information of the M.D.
2. Sr.P.S. to the Director(OP)/Projects, DHBVNL, Hisar for the kind information of the Directors.
3. Chief Engineer/OP, DHBVNL, Hisar/Delhi. They are requested to issue directions to SEs/OP to submit the requisite information as well as schemes for their circles within seven days.