



DAKSHIN HARYANA BIJLI VITRAN NIGAM
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To

DSM INSTRUCTION NO.1

All Chief GMs, GMs& DGMs/Op
 Under DHBVN.

Memo No. CH-1/DSM
 Dated: 13.03.2008

Subject: Energy conservation by AP consumers through proper installation of pump sets fittings at site.

Agriculture sector in DHBVN has been envisaged as having the maximum potential for energy conservation. Present trend indicates lack of awareness about the uses of energy efficient pumping appliances due to which there is an immediate need to promote the concept of efficient pumping appliances/fittings. It has been observed that by taking the following least cost measures at site sufficient energy can be saved:-

- i) **Use of curved type bends on delivery pipes instead of L-type right angle bends as below:-**



- ii) **Use of solid big dia PVC pipes lines instead of small dia PVC/GI pipe.**
- iii) **Installing pump sets keeping in view ground water level and maintaining optimum height of delivery pipe i.e. not more than 10 ft.**
- iv) **Use of proper size of capacitors on tubewell motors according to their capacity and RPM as below:-**

Capacity of Motors BHP	Capacity of capacitors in KVAR		
	750 RPM	1000 RPM	1500 RPM
3	1	1	1
5	3	2	2
7.5	4	3	2
10	5	4	3
15	7	5	4
20	9	7	7
25	10	9	7
30	12.50	10	7.5
40	15	12.50	10
50	20	15	12.50
60	22.5	17.5	15
75	25	20	17.50
90	30	25	20
100	35	25	22.50

In view of above it has been decided by the Nigam that a lot of awareness is required to be created amongst all AP consumers, so all DGMs/AGMs/ Feeder Managers /Op be instructed to give wide publicity of the importance & benefits of above measures to all AP consumers falling under their jurisdiction by undertaking communication programmes to generate awareness.

Meticulous compliance of above instructions be ensured.

**GM/DSM-Cum Energy Audit
DHBVN, Hisar.**

CC to:-

- 1) Sr. PS to MD DHBVN, Hisar for the kind information of worthy MD please.
- 2) Sr.PS to Director/Op DHBVN, Hisar for the kind information of Director/Op.
- 3) Chief GM/ HR, DHBVN, Hisar.
- 4) Chief GM/Comml. DHBVN, Hisar.
- 5) Chief GM/P&D, DHBVN, Hisar.
- 6) Chief GM/MM, DHBVN, Hisar.
- 7) Chief GM/Finance, DHBVN, Hisar.
- 8) DGM/Monitoring, DHBVN, Hisar.