

DAKSHIN HARYANA BIJLI VITRAN NIGAM

Circular No. 1/MON/2006

From

XEN/Monitoring,
DHBVN, Hisar.

To

All CEs(OP)/SEs(OP)/Xens/SDOs/OP,
JEs-I, Incharge in DHBVN.

Memo No. Ch-3/MON-260 Dated 11.7.2006.

Subject: Targets for %age ATC losses for 2006-07.

The management has taken a very serious view of abnormally high %age ATC losses in various Divisions specially under Bhiwani, Narnaul & Hisar circles of the Nigam.

The following chart shows the Division wise %age ATC losses of FY 2005-06 and April 2006. In order to enhance the Revenue Realization /RIB the management has fixed the Targets of %age ATC losses which are shown in the chart. They are to be achieved every month.

Sr. No.	Name of Division	%age ATC losses during FY 2005-06	%age ATC losses during April-2006	Month-wise Targeted %age ATC losses
Delhi Zone		30.85	31.89	25.00
1	Faridabad	22.82	23.06	20.00
2	Old Faridabad	32.32	31.91	20.00
3	Ballabgarh	26.72	25.07	20.00
5	Palwal	53.41	53.61	35.00
Faridabad Circle		31.27	29.64	25.00
1	City Gurgaon	25.42	19.14	20.00
2	S/U Gurgaon	19.08	20.71	20.00
3	Manesar / OCC	25.88	22.84	15.00
4	Sohna	54.74	55.36	35.00
5	Nuh	-	82.78	35.00
Gurgaon Circle		25.21	27.39	22.00
1	Narnaul	42.66	58.88	35.00
2	Mahendragarh	66.81	70.56	35.00
3	Rewari	56.64	62.28	30.00
4	Dharuhera	24.63	28.59	25.00
Narnaul Circle		48.35	51.96	35.00
Hisar Zone		49.97	54.71	35.00
1	City Bhiwani	63.88	68.80	30.00
2	S/U Bhiwani	71.32	80.25	35.00
3	Charkhi Dadri	73.28	87.24	35.00
Bhiwani Circle		67.18	76.35	35.00
1	Hisar-I	19.14	12.37	15.00
2	Hisar-II	51.5	51.69	30.00
3	Hansi	71.73	75.70	35.00
4	Tohana	47.65	56.97	35.00
5	Fatehabad	40.41	47.01	35.00
Hisar Circle		43.78	42.60	35.00
1	City Sirsa	31.17	36.14	25.00
2	S/U Sirsa	27.58	34.01	25.00
3	Dabwali	31.01	33.20	25.00
Sirsa Circle		29.35	34.41	25.00

The concept of ATC losses as per CEA is as under:

The overall energy loss may be computed from the actual meter readings of the meters installed at various locations in the system. Determination of Aggregate Technical and Commercial losses (AT&C) involves estimation of (i) Distribution and Billing losses (D&B) as difference between units input and units billed and (ii) Collection efficiency as the ratio of amount collected to amount billed . (iii) Units realized as the product of units billed and collection efficiency. (iv) AT&C loss as difference between units input and units realized.

Distribution and billing losses are due to technical losses, theft and metering deficiency.

For better understanding, the above principles can be translated in to the following equations

$$\begin{aligned} \text{D\&B Loss} &= \text{UI} - \text{UB} \\ \text{D\&B Loss}_{pu} &= \frac{\text{UI} - \text{UB}}{\text{UI}} \\ \text{\%age D\&B Loss} &= \frac{\text{UI} - \text{UB}}{\text{UI}} \times 100 \end{aligned}$$

Where UI is Units Input (excluding units traded)
UB is Unit Billed (to consumers in its licensed area)

$$\text{Collection efficiency (CE)}_{pu} = \frac{\text{Amount Realised}}{\text{Amount Billed}}$$

$$\text{Units Realised (UR)} = \text{Units billed} \times \text{Collection Efficiency}$$

$$\begin{aligned} \text{AT \&C Loss} &= \text{UI} - \text{UR} \\ \text{AT \&C Loss}_{pu} &= \frac{\text{UI} - \text{UR}}{\text{UI}} \end{aligned}$$

It will be the personal responsibility of the XEN/S.Es (OP) to ensure that the losses do not go beyond the targeted figures. If an officer fails to achieve targets continuously for 6 consecutive months i.e. till 31 December 2006 then he shall be declared "NOT FIT FOR PROMOTION". If he achieves target in any of the months the above clause shall not be applied.

For achieving the above targets extensive checking for detection of theft, verifications of loads and ensuring installation of DT meters is to be carried out.

The above issues with the approval of Managing Director, DHBVN, Hisar.

**Xen/Monitoring,
DHBVN, Hisar**

Copy of the above is forwarded to the following for information please:-

1. SPS to MD, DHBVNL,Hisar.
2. SPS/PS to Director (OP)/(Projects),DHBVNL,Hisar.
3. GM/HR&Admn., DHBVNL, Hisar
4. C.E./PD&C, DHJBVNL, Hisar.
5. C.E./MM, DHBVNL, Hisar.
6. GM/Commercial, DHBVNL, Hisar.
7. FA/HQ, DHBVNL, Hisar
8. CA, DHBVNL, Hisar.
9. CAO, DHBVNL, Hisar.
10. SE/Admn, DHBVNL, Hisar.
11. SE/Planning DHBVNL, Hisar.
12. S.E./Design, DHBVNL, Hisar.
13. SE, M&P Circle, DHBVNL, Gurgaon.
14. SE/Const. Circle, DHBVNL, Hisar.
15. S.E./S.O.,DHBVNL,Hisar.
16. SE/RA, DHBVNL, Hisar.
17. D.G.M.I.T.,DHBVNL,Hisar. He is requested to incorporate the same on DHBVNL, Web site for updating the web site.
18. COS, DHBVNL, Hisar.
19. Company Secretary, DHBVNL, Hisar.
20. Manager/PR, DHBVNL, Hisar.
21. Manager/IR, DHBVNL, Hisar.
22. Xen, TTC, DHBVNL, Hisar.
23. Under Secretary/Legal, DHBVNL, Hisar.
24. Xen/Enforcement, DHBVNL, Hisar/Gurgaon/Faridabad.
25. Xen/Energy Audit, DHBVNL, Hisar/Faridabad.
26. Xen/M&P, DHBVNL, Hisar/Faridabad/ Bhiwani/Gurgaon
27. XEN.Central Store, DHBVNL,Hisar/ Ballabgarh.
28. Law Officer, DHBVNL, Hisar/Gurgaon/Faridabad.

**XEN/Monitoring,
DHBVNL, Hisar.**