

CONTENTS

A) Summary Report	Page No.
I. Grid Overview during the Month	1
2. Commissioning of New Units/Lines/Transformers	1
3. Frequency Profile	2
4. Power Supply Position in Northern Region	2
5. Schedule Vs Actual Drawal of Constituents	3
6. Inter Regional Exchanges	3
 B) Detailed Report	
I Details of Installed/Effective Capacity	4-8
II. Breakup of Hydro Capacity	9
III. Frequency Profile	10
IV. Voltage Profile	11
V. Regional Power Supply Position	12
VI. Daily Peak/Off Peak Demand Met By Constituents	13-14
VII. Daily Consumption By Constituents	15
VIII. Schedule vs Actual Drawal of Constituents on daily basis	16-17
IX. Schedule vs Actual Injection of ISGS day wise	18-21
X. Daily Generation Details of State Sector Stations	22
XI. Performance of Generating Stations(Central /Joint / state sector)	23-25
XII. Energy details of Bilateral Agreements (Intra-Regional)	26
XIII. Energy details of Bilateral Agreements (Inter-Regional)	27
XIV Inter Regional Exchanges daily basis	28-31
XV Status of Installation of Shunt Capacitors	32
XVI Hydraulic Data for Reservoirs	33
 C) Annexures	
1. Load Duration Curve of Northern Region	
2. Frequency Duration Curve of Northern Region	
3. Load Curve Of Northern Region for the Maximum Demand Met Day	
4. Load Curve Of Northern Region for the Minimum Demand Met Day	
5. Demand Met and Requirement of Northern Region (MU)	
6. Grid incident	
7. 400 KV Grid Diagram of Northern Region	

NORTHERN REGION GRID REPORT FOR THE MONTH OF MARCH 2005

A) Summary Report

1. Grid Overview during the Month

In the month of March 2005 the Power supply in the region was satisfactory . The average energy and peak MW shortages were 2.56% and 5.06%. The average system frequency was 49.98 Hz and frequency remained in normal band i.e. between 49.00 & 50.50 for 95.52 % of time . The average frequency variation index during the month was 1.31 and standard deviation was 0.36 . The maximum regional availability during the month was 22503 MW . The average demand met was 18853 MW and 421.25 MU in terms of energy . The maximum requirement was 23703 MW and average requirement was 432.30 MU in terms of energy.

voltage profile on most of the 400 KV/220KV buses were satisfactory during this month .

2. Commissioning of new Units/Lines/Transformers during the month

NIL

3. Monthly Frequency Profile :

Maximum frequency	51.26	Hz	at	15.55 hrs	26.03.2005
Minimum frequency	48.54	Hz	at	00.20 hrs	04.03.2005
				21.13 hrs	16.03.2005
Average frequency	49.98	Hz			

Frequency distribution in %

Hz	< 48.50	<49.00	49.00-50.50	> 50.50
% of time	0.00	1.10	95.52	3.37

Monthly Frequency Variation Index	1.31
Maximum	3.58
Minimum	0.56

4. Power Supply Position :

a. Average Energy/day (Net)

State / U.T.	Demand met MU/Day	Requirement MU/Day	Shortage MU/Day	Shortage %
Punjab	68.60	69.10	0.50	0.72
Haryana	51.35	54.99	3.64	6.62
Rajasthan	84.99	86.44	1.45	1.68
U.P.	119.84	122.28	2.44	1.99
Uttanchal	12.25	12.26	0.01	0.08
Delhi	48.83	48.84	0.01	0.02
H.P.	10.61	10.61	0.00	0.00
J & K *	20.55	23.55	3.00	12.74
Chandigarh	2.62	2.62	0.00	0.00
N.F.F./Rail	1.61	1.61	0.00	0.00
Total	421.25	432.30	11.05	2.56

b. Peak MW

State / U.T.	MAX. Demand met MW	MAX. Requirement MW	Shortage MW	Shortage %
	A	B	C	(C/B)*100
Punjab	3890	3890	0	0.00
Haryana	3217	3479	262	7.53
Rajasthan	4311	4538	227	5.00
U.P.	6131	7565	1434	18.96
Uttanchal	788	788	0	0.00
Delhi	2898	2899	1	0.03
H.P.	613	613	0	0.00
J & K *	1118	1250	132	10.56
Chandigarh	157	157	0	0.00
N.F.F./Rail	74	74	0	0.00
Region	22503	23703	1200	5.06
Diversity Factor = 1.08				

* Approximate and Estimated

5. **Schedule Vs Drawal By the Constituents :**

(SEM DATA)

(All figs in M.U)

State / U.T.	Schedule	Actual	OD(+)/UD(-)
Punjab	993.15	1007.80	14.65
Haryana	743.00	850.71	107.71
Rajasthan	874.12	1061.03	186.91
U.P.	1780.74	1783.12	2.38
Uttanchal	159.54	96.65	-62.89
Delhi	850.81	770.38	-80.43
H.P.	324.97	212.41	-112.56
J & K	601.44	569.36	-32.08
Chandigarh	113.54	85.77	-27.77
N.F.F./Rail	39.04	50.03	10.99

6. **Inter Regional Exchanges**Energy
M.U.Peak
MWImport

a)	From WR over HVDC Vindhyachal B/B	0.22	200
b)	From WR over 220 kV Ujjain-Kota	0.00	0
c)	From ER over HVDC Sasaram B/B	138.89	453
d)	From ER over 220 kV Pusauli-Sahupuri	97.88	195

Export

e)	To WR over HVDC Vindhyachal B/B	72.92	500
f)	To WR (MP) over 220 kV Auraiya-Malanpur	20.55	40
g)	To WR(MP) over 220 kV Kota-Ujjain	0.00	0
h)	To ER over 220 kV/132kV lines	7.45	30
i)	To ER over HVDC Sasaram B/B	0.00	0
j)	To Nepal over 132 kV Tanakpur-Mahendernagar	6.80	32

B). Detailed Report**I. Details of Installed/Effective Capacity at the end of March 2005**

	<u>STATION</u>	<u>INSTALLED CAPACITY</u>	<u>EFFECTIVE CAPACITY</u>
		(MW)	
A	NTPC		
(a)	Badarpur TPS	3x100+2x210 720.00	3x95+2x210 705.00
(b)	Singrauli STPS	5x200+2x500 2000.00	5x200+2x500 2000.00
(c)	Rihand STPS	2x500 1000.00	2x500 1000.00
(d)	Dadri NCTPS	4x210 840.00	4x210 840.00
(e)	Unchahar TPS	2x210 + 2x210 840.00	2x210 + 2x210 840.00
(f)	Tanda TPS	4x110 440.00	4x110 440.00
(g)	Anta GPS	3x88.71+1x153.20 419.33	3x88.71+1x153.20 419.33
(h)	Auraiya GPS	4x111.19+2x109.30 663.36	4x111.19+2x109.30 663.36
(i)	Dadri GPS	4x130.19+2x154.51 829.78	4x130.19+2x154.51 829.78
(j)	Faridabad GPS	2x137.75 +1x156.07 431.57	2x137.75 +1x156.07 431.57
	Sub-Total	8184.04	8169.04
B	NHPC		
(a)	Bairasiul	3x60 180.00	3x60 180.00
(b)	Salal Stage - I	3x115 345.00	3x115 345.00
(c)	Salal Stage - II	3x115 345.00	3x115 345.00
(d)	Tanakpur HPS	3x40 120.00	3x31.4 94.20
(e)	Chamera HPS-I	3x180 540.00	3x180 540.00
(f)	Chamera HPS-II	3x100 300.00	3x100 300.00
(g)	URI	4x120 480.00	4x120 480.00
	Sub-Total	2310.00	2284.20
C.	NPC		
(a)	RAPS -A	2x220 440.00	1x100+1x200 300.00
(b)	RAPS -B	2x220 440.00	2x220 440.00
(c)	NAPS	2x235 470.00	2x220 440.00
	Sub-Total	1350.00	1180.00
D.	Nathpa-Jhakri	6x250 1500.00	6x250 1500.00
Total Central Sector (A + B + C +D)		13344.04	13133.24
2	BBMB		
(a)	Bhakra Complex		
(i)	Bhakra (L)	5x108 540.00	5x108 540.00
(ii)	Bhakra (R)	5x157 785.00	5x157 785.00
(iii)	Ganguwal	1x29.25+1x24.20+1X24.20 77.65	1x29.25+1x24.20+1X24.20 77.65
(iv)	Kotla	1x29.25+1x24.20+1X24.20 77.65	1x29.25+1x24.20+1X24.20 77.65
	Sub-Total	1480.30	1480.30
(b)	Dehar	6x165 990.00	6x165 990.00
(c)	Pong	6x66 396.00	6x66 396.00
	Total BBMB	2866.30	2866.30

contd/-

3	CHANDIGARH				
(a)	Diesel Gen Sets		2.00		1.40
4	DELHI				
	THERMAL				
(a)	Indra Prastha	3x62.5+1x60	247.50	3x62.5+1x60	247.50
(b)	Rajghat	1x15+2x67.5	150.00	2x67.5	135.00
(c)	Gas Turbines	6x30+3x34	282.00	6x30+3x34	282.00
(d)	Pragati Gas Turbines	2x104.6+1x121.2	330.00	2x104.6+1x121.2	330.00
	Total DELHI		1009.50		994.50
5	HARYANA				
	HYDRO				
(a)	Western Yamuna-I & II Canal (WYC)	6x8+2x7.2	62.40	6x8+2x7.2	62.40
	Total Hydro		62.40		62.40
	THERMAL				
(b)	Faridabad (New)	3x60	180.00	3x55	165.00
(c)	Panipat	4x110+2x210	860.00	4x110+2x210	860.00
	Total Thermal		1040.00		1025.00
(d)	Magnum Diesel (IPP)	4x6.3	25.20	4x6.3	25.20
	Total Haryana		1127.60		1112.60
6	HIMACHAL PRADESH				
	HYDRO				
(a)	Giri	2x30.00	60.00	2x30.00	60.00
(b)	Bassi	4x15.00	60.00	4x15.00	60.00
(c)	Binwa	2x 3.00	6.00	2x 3.00	6.00
(d)	Rongtong	4x 0.50	2.00	4x 0.50	2.00
(e)	Andhra	3x 5.65	16.95	3x 5.65	16.95
(f)	Micro Hydel+Killar+Thirot		8.75	8.75	8.75
(g)	Nogli	2x 0.25+4x0.50	2.50	2x 0.25+4x0.50	2.50
(h)	Bhabha (H)	3x40.00	120.00	3x40.00	120.00
(i)	Baner (H)	3x 4.00	12.00	3x 4.00	12.00
(j)	Gaj (H)	3x 3.50	10.50	3x 3.50	10.50
(k)	Sal -2	1x 2	2.00	1x 2	2.00
(l)	Gumma	.	3.00	3.00	3.00
(m)	Ghanvi	2x11.25	22.50	2x11.25	22.50
(n)	Diesel Gen. Sets		0.00	0.00	0.00
(o)	Malana (IPP)	2x43	86.00	2x43	86.00
(p)	Baspa (IPP)	3x100	300.00	3x100	300.00
	Total HP		712.20		712.20
7	J & K				
	HYDRO				
(a)	Lower Jhelum	3x35.0	105.00	3x35.0	105.00
(b)	Upper Sindh	2x11.30+3x35.0	127.60	2x11.30+3x35.0	127.60
(c)	Ganderbal	2x3+2x4.5	15.00	2x3+2x4.5	15.00
(d)	Mohra	2x4.5	9.00	2x4.5	9.00
(e)	Chenani	5x4.66 +2X1.0 +3x2.5	32.80	5x4.66 +2X1.0+3x2.5	32.80
(f)	Stakna	2x2.0 +3x1.25 +2.0	9.75	2x2.0 +3x1.25 +2.0	9.75
(g)	Small Hydel		3.54	3.54	3.54
(h)	Sewa	3x3.0	9.00	3x3.0	9.00
	Total Hydro		311.69		311.69

contd/-

J & K (Contd.)					
	GAS TURBINES				
(h)	Pampore GT St - I	3x25.0	75.00	3x25.0	75.00
	Pampore GT St - II	4x25.0	100.00	4x25.0	100.00
9h)	Total Gas		175.00		175.00
(I)	Diesel Gen. Sets		8.94		7.18
	Total J & K		495.63		493.87
8	PUNJAB				
	HYDRO				
(a)	Jogindernagar/ Shanan	4x15+1x50	110.00	4x15+1x50	110.00
(b)	Upper Behari Doab Canal (UBDC)	3x15+3x15	90.00	3x15+3x15	90.00
(c)	Mukerian	6x15+6x19.5	207.00	6x15+6x19.5	207.00
(d)	Anandpur Sahib (APS)	4x33.5	134.00	4x33.5	134.00
(e)	Ranjit Sagar HPS	4x150	600.00	4x150	600.00
(f)	Small Hydel		4.10	4.10	4.10
	Total Hydro		1145.10		1145.10
	THERMAL				
(g)	Guru Nanak Dev TPS (Bhatinda)	4x110	440.00	4x110	440.00
(h)	Guru Gobind Singh TPS (Ropar)	6x210	1260.00	6x210	1260.00
(i)	Lehra Mohabbat TPS	2x210	420.00	2x210	420.00
(j)	Jhalkeri Rice Straw Fired	1x10	10.00	1x10	10.00
	Total Thermal		2130.00		2130.00
	Total Punjab		3275.10		3275.10
9	RAJASTHAN				
	HYDRO				
(a)	Mahi Bajaj Sagar	2x25+2x45	140.00	2x25+2x45	140.00
(b)	Rana Pratap Sagar (RPS)	4x43	172.00	4x43	172.00
(c)	Jawahar Sagar (JS)	3x33	99.00	3x33	99.00
(d)	Anoopgarh	(3x1.5) x2	9.00	(3x1.5) x2	9.00
(e)	Small Hydro		14.85	14.85	14.85
(f)	Gandhi sagar	5x23	115.00	5x23	115.00
	Total Hydro		434.85		434.85
	THERMAL				
(g)	Kota TPS	2x110+3x210 +1x195	1045.00	2x110+3x210 +1x195	1045.00
(h)	Suratgarh TPS	5x250	1250.00	5x250	1250.00
(i)	Ramgarh GT EXT.	1x35.5+2x37.5	110.50	1x35.5+2x37.5	110.50
	Total Thermal		2405.50		2405.50
(J)	Wind farm		259.94	259.94	259.94
(h)	Bio-mass		7.80		7.80
	Total Rajasthan		3108.09		3108.09
					contd/-

10	UP				
	HYDRO				
(a)	Rihand	6x50.0	300.00	6x50.0	300.00
(b)	Obra	3x33.0	99.00	3x33.0	99.00
(c)	Matatilla	3x10.0	30.00	3x10.0	30.00
(d)	Khara	3x24.0	72.00		72.00
	Total Hydro		501.00		501.00
	THERMAL				
(g)	Obra	5x50	250.00	4x40	160.00
(h)	Obra Extn. - I	3x100	300.00	3x94	282.00
(i)	Obra Extn. - II	5x200	1000.00	5x200	1000.00
(j)	Panki	1x32	32.00	1x32	32.00
(k)	Panki Extn.	2x110	220.00	2x105	210.00
(l)	Harduaganj - A	3x30	90.00	0	0.00
(m)	Harduaganj - B	2x50+2x60	220.00	1x40+2x55	150.00
(n)	Harduaganj - C	2x60+1x110	230.00	2x60+1x105	225.00
(o)	Paricha	2x110	220.00	2x110	220.00
(p)	Anpara - A	3x210	630.00	3x210	630.00
(q)	Anpara - B	2x500	1000.00	2x500	1000.00
	Total Thermal		4192.00		3909.00
	Total UP		4693.00		4410.00
11	UTTRANCHAL				
	HYDRO				
(a)	Khatima	3x13.8	41.40	3x13.8	41.40
(b)	Ramganga	3x66.0	198.00	3x66.0	198.00
(c)	Ganga Canal				
	Chitwa	2x1.5+		2x1.5+	
	Mohamedpur	3x3.1+		3x3.1+	
	Pathri	3x6.8	32.70	3x6.8	32.70
(d)	Yamuna (I & IV)				
	- Dhalipur	3x17.00+		3x17.00+	
	- Dhakrani	3x11.25+		3x11.25+	
	- Kulhal	3x10.00	114.75	3x10.00	114.75
(e)	Chibro	4x60.0	240.00	4x60.0	240.00
(f)	Khodri	4x30.0	120.00	4x30.0	120.00
(g)	Chilla	4x36.0	144.00	4x36.0	144.00
(h)	Maneri Bhali	3x30.0	90.00	3x30.0	90.00
(l)	Sibla+Small hydel		18.20		18.20
	Total Hydro		999.05		999.05
	Total Region (1 to 11)		31632.51		31106.35

SUMMARY OF THE EFFECTIVE GENERATING CAPACITY (MW)

Agency / Source	Hydro	Thermal	Gas/Diesel	Non Conventional Wind/ Bio-mass	Nuclear	Total	% of Total
NTPC	0.00	5825.00	2344.04	0.00	0.00	8169.04	26.26%
NHPC	2284.20	0.00	0.00	0.00	0.00	2284.20	7.34%
SJVNL	1500.00	0.00	0.00	0.00	0.00	1500.00	4.82%
NPC	0.00	0.00	0.00	0.00	1180.00	1180.00	3.79%
BBMB	2866.30	0.00	0.00	0.00	0.00	2866.30	9.21%
CHANDIGARH	0.00	0.00	1.40	0.00	0.00	1.40	0.00%
DELHI	0.00	382.50	612.00	0.00	0.00	994.50	3.20%
HARYANA	62.40	1025.00	25.20	0.00	0.00	1112.60	3.58%
HIMACHAL	712.20	0.00	0.00	0.00	0.00	712.20	2.29%
J&K	311.69	0.00	182.18	0.00	0.00	493.87	1.59%
PUNJAB	1145.10	2130.00	0.00	0.00	0.00	3275.10	10.53%
RAJASTHAN	434.85	2295.00	110.50	267.74	0.00	3108.09	9.99%
UP	501.00	3909.00	0.00	0.00	0.00	4410.00	14.18%
UTTRANCHAL	999.05	0.00	0.00	0.00	0.00	999.05	3.21%
Total	10816.79	15566.50	3275.32	267.74	1180.00	31106.35	100.00%
% of TOTAL	34.77%	50.04%	10.53%	0.86%	3.79%	100.00%	

Notes The above table does not take into account the shares of a state in Generating stations located in the neighbouring states. Such details are :

- (i) Haryana has one-third share in unit Nos. 2, 3, 4 at Indraprastha power stations of Delhi viz. 62.5 MW.
- (ii) HP has 25 % share in the Dhalipur, Dhakrani, Chibro and Khodri power houses of Uttranchal viz. 111.20 MW and 20 % share in the Kulhal and Khara hydro power houses viz. 20.40 MW. However, these shares are limited to actual physical drawals over designated transmission lines.
- (iii) HP has a fixed energy share (royalty) every month in the Shanan Power House of PSEB.
0.38 LU/Day to 2.22 LU/Day.
- (iv) HP has 4.6 % share in Ranjit Sagar Dam project of PSEB viz. 27.60 MW
- (iv) The shares of Rajasthan in Chambal and Satpura projects are as under :

CHAMBAL

PROJECT	LOCATED	INSTALLED CAPACITY (MW)
Gandhi Sagar	M.P.	5 x 23 = 115
Rana Pratap Sagar	Rajasthan	4 x 43 = 172
Jawahar Sagar	Rajasthan	3 x 33 = 99
Total		386

Rajasthan has 50 % share in the Chambal Projects viz. 193 MW.

SATPURA

PROJECTS	LOCATED	INSTALLED CAPACITY (MW)
Satpura TPS	M.P.	5x62.5+200.0+3x210.0 = 1142.50

Rajasthan has 40 % share in the first five units of Satpura TPS viz 125 MW.

II. BREAKUP OF HYDRO CAPACITY (MW) IN NORTHERN REGION AS ON 31.03.2005

Agency / Source	Run-of -the -river	Reservoir	Total
NHPC	1264.00	1020.00	2284.00
BBMB	1145.30	1721.00	2866.30
SJVNL	0.00	1500.00	1500.00
DELHI	0.00	0.00	0.00
HARYANA	62.40	0.00	62.40
HP *	712.20	0.00	712.20
J&K	311.69	0.00	311.69
PUNJAB	545.10	600.00	1145.10
RAJASTHAN	262.85	172.00	434.85
UP	201.00	300.00	501.00
UTTRANCHAL	801.05	198.00	999.05
TOTAL	5305.59	5511.00	10816.59
PERCENTAGE	49.05%	50.95%	100%

*** Includes Malana IPP (86 MW) & Baspa IPP (300 MW)**

III.

Frequency Profile

Date	% of Time Frequency in various frequency bands								
	< 48.00	< 48.50	< 49.00	<49.50	49.0-50.5	> 50.00	> 50.50	> 51.00	>51.50
01	0.00	0.00	0.87	18.27	99.13	31.55	0.00	0.00	0.00
02	0.00	0.00	3.99	42.29	96.01	12.60	0.00	0.00	0.00
03	0.00	0.00	3.19	48.78	96.81	6.42	0.00	0.00	0.00
04	0.00	0.00	5.52	53.44	93.82	15.38	0.66	0.00	0.00
05	0.00	0.00	0.66	16.56	96.84	50.45	2.50	0.00	0.00
06	0.00	0.00	0.00	8.51	99.48	47.43	0.52	0.00	0.00
07	0.00	0.00	0.94	15.60	98.44	35.92	0.63	0.00	0.00
08	0.00	0.00	0.07	7.12	99.72	34.57	0.21	0.00	0.00
09	0.00	0.00	0.00	2.71	87.53	83.02	12.47	0.00	0.00
10	0.00	0.00	0.00	1.39	89.83	81.18	10.17	0.00	0.00
11	0.00	0.00	3.72	13.65	95.42	51.48	0.87	0.00	0.00
12	0.00	0.00	3.91	25.10	95.71	40.17	0.38	0.00	0.00
13	0.00	0.00	0.00	5.83	100.00	55.33	0.00	0.00	0.00
14	0.00	0.00	1.01	9.80	98.51	57.82	0.49	0.00	0.00
15	0.00	0.00	0.28	5.76	98.89	56.28	0.83	0.00	0.00
16	0.00	0.00	3.23	16.05	95.24	43.83	1.53	0.00	0.00
17	0.00	0.00	0.00	11.98	99.27	48.87	0.73	0.00	0.00
18	0.00	0.00	0.10	7.36	99.76	46.55	0.14	0.00	0.00
19	0.00	0.00	0.34	2.72	99.45	75.54	0.21	0.00	0.00
20	0.00	0.00	0.00	0.00	100.00	89.29	0.00	0.00	0.00
21	0.00	0.00	0.97	3.23	83.91	82.27	15.12	0.00	0.00
22	0.00	0.00	0.21	6.08	96.77	67.88	3.02	0.00	0.00
23	0.00	0.00	0.79	7.39	96.18	71.09	3.03	0.00	0.00
24	0.00	0.00	0.00	5.22	98.94	71.18	1.06	0.00	0.00
25	0.00	0.00	0.00	0.28	91.57	84.90	8.43	0.00	0.00
26	0.00	0.00	0.00	0.14	71.81	95.97	28.19	3.92	0.00
27	0.00	0.00	0.38	4.29	95.74	81.68	3.87	0.00	0.00
28	0.00	0.00	1.79	9.22	96.14	61.55	2.07	0.00	0.00
29	0.00	0.00	0.00	3.20	98.85	64.74	1.15	0.00	0.00
30	0.00	0.00	0.00	3.82	98.44	66.04	1.56	0.00	0.00
31	0.00	0.00	1.26	7.96	97.35	59.03	1.39	0.00	0.00
Max	0.00	0.00	5.52	53.44	100.00	95.97	28.19	3.92	0.00
Min	0.00	0.00	0.00	0.00	71.81	6.42	0.00	0.00	0.00
Average	0.00	0.00	1.10	12.18	95.52	55.66	3.37	0.13	0.00

Frequency (Hz)				Average Frequency Hz	Frequency Variation Index
Maximum		Minimum			
Freq	Time	Freq	Time		
50.47	6:01	48.91	14:16	49.83	1.28
50.42	5:03	48.58	19:20	49.59	2.94
50.39	0:02	48.73	22:07	49.53	3.11
50.65	23:56	48.54	0:20	49.55	3.58
50.79	5:02	48.81	23:50	49.92	1.37
50.56	14:04	49.15	23:51	49.95	0.73
50.85	18:32	48.60	22:21	49.86	1.25
50.61	18:32	49.00	10:04	49.89	0.74
50.91	23:27	49.20	1:04	50.23	1.30
50.99	3:06	49.15	18:59	50.21	1.12
50.76	5:07	48.57	19:10	49.91	1.49
50.55	17:03	48.56	22:31	49.80	2.05
50.49	15:05	49.10	5:57	50.01	0.70
50.59	5:00	48.62	22:10	49.98	0.91
50.58	17:18	48.80	19:11	49.99	0.72
50.75	18:15	48.54	21:13	49.88	1.45
50.62	17:03	49.15	22:24	49.95	0.97
50.57	18:31	49.00	19:11	49.95	0.74
50.59	18:31	48.90	6:21	50.09	0.60
50.45	22:59	49.77	22:21	50.19	0.56
50.83	5:02	48.57	19:06	50.21	1.42
50.56	2:06	48.76	19:31	50.05	0.92
50.67	18:06	48.55	19:06	50.08	1.13
50.61	13:01	49.04	22:16	50.09	0.93
50.72	17:59	49.39	19:09	50.19	0.81
51.26	15:55	49.46	18:54	50.38	2.25
50.94	18:32	48.87	21:03	50.16	1.07
50.76	18:07	48.60	20:34	50.00	1.05
50.71	18:05	49.26	2:04	50.08	0.74
50.65	18:03	49.16	19:38	50.06	0.68
50.63	5:03	48.73	21:03	50.00	1.09
51.26		49.77		50.38	3.58
50.39		48.54		49.53	0.56
50.68		48.91		49.99	1.31

IV.

Voltage Profile

Date	400 KV Dadri Voltage (kV)				400 KV Kanpur Voltage (kV)				220 KV BTPS Voltage (kV)				400 KV Moga Voltage (kV)			
	Maximum		Minimum		Maximum		Minimum		Maximum		Minimum		Maximum		Minimum	
	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time
01	410	13.05	389	16.37	409	21.54	391	16.38	220	00.05	211	18.47	414	00.04	395	18.56
02	410	18.03	391	05.44	410	09.23	394	05.45	220	22.56	212	05.45	416	21.42	398	18.22
03	411	18.02	395	12.21	412	18.02	397	14.09	221	00.00	212	12.31	418	00.02	396	19.28
04	416	23.53	393	10.51	417	21.50	399	04.35	222	21.49	212	10.09	415	21.50	396	18.55
05	418	04.00	390	11.08	417	01.41	390	10.49	223	03.04	211	11.05	418	04.00	395	19.01
06	410	04.04	397	09.01	407	04.07	398	09.01	220	02.34	213	10.52	414	01.27	396	19.31
07	410	15.14	393	11.47	407	18.30	390	12.32	219	01.46	210	19.01	415	22.33	392	19.14
08	411	21.55	392	10.03	408	21.56	387	10.01	220	21.56	210	19.14	416	04.01	393	19.12
09	415	04.59	397	10.03	416	21.56	392	01.11	223	05.01	212	10.03	421	04.02	397	16.53
10	415	04.59	397	10.03	416	21.56	392	01.11	223	05.01	212	10.03	421	04.02	397	16.53
11	415	04.59	397	10.03	416	21.56	392	01.11	223	05.01	212	10.03	421	04.02	397	16.53
12	415	04.59	397	10.03	416	21.56	392	01.11	223	05.01	212	10.03	421	04.02	397	16.53
13	412	01.57	397	19.13	409	09.41	397	19.15	222	02.02	212	19.15	414	01.56	397	19.21
14	409	00.00	389	18.59	410	17.59	390	05.42	221	03.00	209	18.57	412	00.00	393	19.26
15	411	03.17	391	19.11	409	17.31	394	19.10	219	01.07	207	19.11	411	03.17	390	19.09
16	411	18.04	391	19.38	408	18.04	392	05.48	218	01.48	206	18.58	411	18.05	393	19.39
17	411	08.23	394	19.29	408	08.22	392	06.41	218	04.05	207	11.34	411	08.04	395	19.29
18	410	02.49	389	19.12	406	17.02	391	06.24	218	02.32	206	19.11	413	02.35	394	19.09
19	410	17.20	391	19.14	407	17.30	395	11.34	218	02.29	207	19.14	412	07.03	395	19.13
20	412	23.41	406	22.20	405	22.54	401	22.21	221	23.00	218	22.20	412	23.54	407	22.24
21	412	23.41	406	22.20	405	22.54	401	22.21	221	23.00	218	22.20	412	23.54	407	22.24
22	412	23.41	406	22.20	405	22.54	401	22.21	221	23.00	218	22.20	412	23.54	407	22.24
23	414	13.02	390	19.05	411	18.09	395	05.57	222	02.01	211	19.04	417	13.02	396	19.05
24	411	02.55	390	19.35	408	02.54	391	19.36	222	01.54	211	19.06	417	00.05	397	19.07
25	412	13.20	394	19.08	409	14.47	396	19.08	222	02.16	214	19.07	416	02.29	398	19.09
26	421	15.51	400	19.17	418	15.53	393	19.11	225	15.31	217	18.55	418	02.25	398	19.28
27	417	00.51	393	19.26	414	18.32	393	21.02	224	00.54	213	19.06	418	00.58	398	19.05
28	411	04.05	386	19.38	411	18.04	395	19.10	222	03.21	209	19.39	414	03.03	395	19.37
29	408	03.50	392	19.39	408	18.05	397	19.10	220	03.21	212	19.08	412	02.59	393	19.38
30	411	18.03	389	19.38	409	18.02	395	19.37	220	02.33	211	19.22	416	18.01	396	19.38
31	410	18.05	389	19.28	409	18.05	393	19.32	220	04.09	210	19.28	416	02.22	395	19.1
Max	421		406		418		401		225		218		421		407	
Min	408		386		405		387		218		206		411		390	

V. Regional Power Supply Position

(All Figs In MUs)

Date	Availability (Gross)	Peak Hrs. Requirement	Shortage/ Restriction	Availability (Gross)	Off Peak Hrs. Requirement	Shortage/ Restriction*	Regional Availability
	MW	MW	MW	MW	MW	MW	MU
01	20565	22664	2099	17803	17923	120	428.78
02	20470	23047	2577	17305	17845	540	419.89
03	20576	22819	2243	17092	18057	965	420.62
04	20761	23180	2419	17437	19233	1796	418.25
05	20757	22203	1446	15503	15633	130	411.06
06	20357	21770	1413	17623	17803	180	424.62
07	21162	22517	1355	18303	18513	210	440.60
08	21583	22936	1353	18630	18660	30	450.33
09	19599	20918	1319	17959	17989	30	420.76
10	20570	21932	1362	15132	15132	0	400.29
11	20402	21732	1330	16043	16173	130	412.80
12	20366	22141	1775	16905	17635	730	418.14
13	20287	21597	1310	17493	18223	730	422.64
14	20527	22227	1700	17763	17893	130	440.78
15	20880	22295	1415	19372	19402	30	450.96
16	20517	22167	1650	19236	19366	130	454.61
17	20670	22120	1450	19642	20067	425	457.45
18	20915	22365	1450	18980	19410	430	455.33
19	20635	22085	1450	19022	19152	130	447.58
20	20279	20929	650	17536	17666	130	426.98
21	19753	20337	584	17311	17441	130	409.95
22	20232	21202	970	17192	17322	130	428.55
23	20245	21245	1000	18022	18366	344	427.97
24	20391	21791	1400	17778	17908	130	427.83
25	19597	20647	1050	18363	18493	130	425.94
26	17832	18582	750	17418	17518	100	391.30
27	19547	21069	1522	15789	15919	130	384.80
28	19771	21543	1772	17838	17968	130	433.37
29	20303	21456	1153	18662	18792	130	436.09
30	20391	21293	902	19028	19158	130	437.29
31	20104	21356	1252	18516	18715	199	436.14
Maximum	21583	23180	2577	19642	20067	1796	457.45
Minimum	17832	18582	584	15132	15132	0	384.80
Average	20324	21747	1423	17764	18044	280	427.80

Note: * Shortage / Restriction figures are as given by the constituents.

VI. Daily Peak/Off-Peak Demand Met By Constituents (Sheet 1 of 2) (figures in MW)

State	Punjab		Haryana		Rajasthan		Delhi		Uttar Pradesh	
Date	Peak	Off Peak	Peak	Off Peak	Peak	Off Peak	Peak	Off Peak	Peak	Off Peak
01	3370	2367	2774	2198	3527	3850	2414	1226	5256	5755
02	3244	2252	2685	2144	3579	3775	2550	1207	4999	5710
03	3093	2410	2790	2133	3541	3536	2601	1215	4861	5379
04	3195	2562	2865	2162	3501	3460	2597	1290	4814	5340
05	3360	2641	2773	1854	3137	3737	2456	1258	4749	4149
06	3185	2656	2779	2055	3074	3754	2414	1287	5088	5354
07	3366	2751	2987	2304	3165	3655	2510	1311	5343	5646
08	3373	3172	2987	2304	3118	3638	2489	1335	5207	5707
09	3226	3035	2399	2057	2925	3441	2474	1421	4703	5766
10	3366	2262	2555	1639	2866	3530	2507	1285	4896	4275
11	2998	2363	2538	1796	2973	3390	2578	1315	4711	4716
12	3080	2703	2522	1816	3006	3493	2450	1312	5051	4981
13	3365	2912	2504	1925	2933	3583	2321	1337	4975	5176
14	3413	3073	2584	1922	2992	3576	2468	1323	5069	5516
15	3514	3252	2629	2201	3074	3863	2609	1447	5106	5771
16	3712	3425	2305	2235	3136	3858	2633	1487	5235	5983
17	2991	3475	2563	2367	3225	3869	2753	1558	4963	5843
18	3054	2556	2731	2277	3102	3975	2714	1636	5048	5936
19	3237	2467	2872	2347	3136	4030	2632	1563	4722	6012
20	3200	2446	2513	1553	3047	3898	2446	1593	5257	5660
21	2931	2604	2282	1723	2934	3283	2263	1590	5278	5456
22	3020	2385	2561	1966	3008	3788	2539	1553	5341	5324
23	2990	2485	2540	2091	2915	3717	2528	1443	5086	5761
24	3009	2494	2560	2099	2912	3744	2523	1532	5194	5349
25	2965	2633	2396	2086	2598	3663	2274	1538	5425	5927
26	2417	2478	2203	1988	2164	3320	1967	1463	5423	5580
27	2781	1894	2665	2217	3223	3059	2279	1357	5191	5323
28	3074	2595	2599	2029	2788	3261	2520	1513	5023	5711
	3280	2976	2557	2170	2824	3355	2586	1610	5193	6047
	3340	3061	2594	2193	2824	3409	2498	1632	5318	6086
	3107	3041	2550	2189	2780	3305	2528	1561	5068	5975
Maximum	3712	3475	2987	2367	3579	4030	2753	1636	5425	6086
Minimum	2417	1894	2203	1553	2164	3059	1967	1207	4703	4149
Average	3170	2691	2608	2066	3033	3607	2488	1426	5078	5523

Remarks: Peak - 1900 hrs offpeak - 0300 hrs

VI. Daily Peak/Off-Peak demand Met By Constituents (Sheet 2 of 2) (Figures in MW)

State Date	Uttaranchal		Chandigarh		Himachal Pradesh		Jammu & Kashmir	
	Peak	Off Peak	Peak	Off Peak	Peak	Off Peak	Peak	Off Peak
	748	396	148	71	561	328	734	647
	770	403	148	71	549	327	792	574
	776	409	150	70	537	351	732	650
	727	407	148	72	536	328	783	662
	756	349	146	71	529	332	732	525
	732	384	133	72	515	313	781	676
	748	417	148	71	490	309	961	794
	763	439	138	72	505	321	1051	887
	572	425	149	74	545	323	1032	867
	707	320	147	76	551	343	988	788
	739	477	155	77	509	323	1068	953
	773	367	146	73	506	349	1036	921
	697	436	123	75	496	330	986	868
	728	383	152	77	467	340	998	850
	752	431	156	78	480	341	953	928
	722	464	157	79	468	322	780	794
	765	415	155	80	411	328	973	875
	729	472	154	82	495	308	1102	853
	620	472	151	81	464	316	963	731
	657	388	128	81	470	346	1035	791
	600	405	148	80	451	376	982	963
	667	329	148	78	574	285	1067	894
	676	380	151	78	566	340	980	853
	693	322	154	77	481	331	956	851
	665	439	143	77	528	335	1052	870
	556	390	117	74	432	313	930	980
	616	332	125	70	520	245	1018	829
	677	402	148	74	508	313	1038	985
	686	401	147	78	508	328	1098	973
	654	418	152	79	508	317	1007	941
	667	428	147	82	516	334	956	906
Maximum	776	477	157	82	574	376	1102	985
Minimum	556	320	117	70	411	245	732	525
Average	698	403	146	76	506	326	954	828

Remarks: Peak - 1900 hrs offpeak - 0300 hrs

VII Daily Energy Consumption By Constituents

(All Figs In MUs)

Date	Punjab	Haryana	Rajasthan	Delhi	UP	Uttaranchal	Chandigarh	HP	J & K	NFF/RAIL	Total
01	66.296	51.843	87.607	48.026	123.136	12.583	2.715	12.063	16.237	1.518	422.024
02	64.177	52.491	83.045	48.396	118.710	12.789	2.697	11.556	16.810	1.538	412.207
03	64.476	53.269	84.444	48.772	116.198	12.742	2.687	11.309	16.642	1.533	412.072
04	67.392	53.269	84.219	49.419	109.445	12.802	2.098	11.263	16.562	1.503	407.972
05	69.361	52.305	86.444	47.787	106.150	12.143	2.625	11.072	15.606	1.598	405.092
06	68.037	52.507	87.592	46.305	116.771	12.269	2.463	10.591	17.813	1.557	415.904
07	69.123	56.351	87.189	48.544	124.034	13.061	2.629	10.707	19.466	1.558	432.663
08	73.501	58.528	87.095	48.026	126.632	13.335	2.503	10.667	23.023	1.493	444.802
09	71.872	45.609	82.613	48.117	117.820	11.510	2.788	11.774	22.416	1.553	416.071
10	66.484	44.780	81.110	48.426	106.549	11.388	2.682	11.556	21.554	1.606	396.134
11	66.982	46.873	81.848	48.994	110.219	12.994	2.634	11.186	22.393	1.651	405.774
12	70.109	46.778	83.852	47.409	112.212	12.063	2.656	10.847	22.296	1.493	409.716
13	73.018	46.747	84.275	45.743	115.282	12.379	2.353	10.486	21.486	1.537	413.305
14	77.228	50.237	87.145	48.560	120.126	12.684	2.658	10.503	21.130	1.601	431.873
15	78.193	52.173	89.843	49.730	124.107	12.395	2.762	10.212	21.355	1.559	442.330
16	80.804	52.223	90.334	51.378	125.214	13.000	2.790	10.186	20.426	1.539	447.894
17	73.284	55.440	93.148	53.161	125.783	12.974	2.829	9.895	21.430	1.674	449.619
18	68.575	54.643	92.710	53.903	125.778	13.239	2.851	10.382	21.798	1.639	445.518
19	68.446	56.411	91.283	51.982	124.209	11.549	2.755	10.431	18.796	1.685	437.547
20	64.452	46.195	88.836	48.570	124.842	11.546	2.397	9.965	19.827	1.621	418.252
21	63.860	44.348	83.090	49.517	121.106	11.500	2.668	10.826	21.459	1.661	410.035
22	63.565	50.559	87.047	50.058	120.561	11.930	2.576	10.322	21.271	1.692	419.582
23	65.078	50.039	86.738	50.074	122.170	11.784	2.776	10.613	21.980	1.670	422.921
24	65.599	50.473	85.348	50.007	121.835	12.121	2.646	10.536	22.105	1.717	422.387
25	64.144	49.618	83.086	47.639	124.337	12.361	2.561	10.586	22.827	1.634	418.793
26	55.938	45.669	74.403	40.523	125.927	10.641	2.173	8.498	22.087	1.667	387.526
27	57.884	55.479	74.558	43.763	111.280	11.101	2.412	9.405	21.320	1.616	388.817
28	67.814	58.953	81.083	49.407	122.001	12.482	2.655	10.298	21.203	1.585	427.481
29	72.406	52.791	82.067	51.051	124.980	11.970	2.633	10.470	22.039	1.585	431.993
30	74.373	52.745	81.715	50.289	124.103	12.000	2.764	10.475	21.571	1.585	431.620
31	73.967	52.540	80.807	50.133	123.663	12.317	2.678	10.345	22.131	1.585	430.166
Maximum	80.804	58.953	93.148	53.903	126.632	13.335	2.851	12.063	23.023	1.717	449.619
Minimum	55.938	44.348	74.403	40.523	106.150	10.641	2.098	8.498	15.606	1.493	387.526
Average	68.595	51.351	84.986	48.829	119.844	12.247	2.617	10.614	20.550	1.595	421.229
Month Total	2126.440	1591.884	2634.575	1513.709	3715.176	379.652	81.114	329.026	637.058	49.453	13058.087

VIII. Schedule VS Actual Drawals of Northern Regional Constituents (Sheet 1 of 2)

Date	Punjab		Haryana		Rajasthan		Delhi		Uttar Pradesh		Uttaranchal	
	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual
1-Mar-2005	25147	23617	22293	27687	25784	37716	26119	17526	55251	53763	7372	6236
2-Mar-2005	23897	22860	21454	28711	24512	35475	26757	16815	54691	56108	7537	4829
3-Mar-2005	25253	21542	22065	27204	25519	38731	27275	17058	54958	60584	7606	4759
4-Mar-2005	25966	24342	22462	26581	25928	36873	27494	17888	55039	56558	7413	5330
5-Mar-2005	26834	27939	22434	30277	26534	37124	27266	20445	54757	47323	7635	5253
6-Mar-2005	27367	29623	22863	28431	26628	39262	25274	18795	58352	55523	7601	4538
7-Mar-2005	27461	29423	23034	30433	27275	37131	27222	19537	59494	58396	7866	4784
8-Mar-2005	29076	33077	24209	27680	28148	36763	28657	19644	59602	59998	7907	4248
9-Mar-2005	28518	29931	22000	20641	27253	33171	27086	24236	56530	54961	7518	2996
10-Mar-2005	29736	28906	21497	25372	26141	30584	25539	27884	50908	46538	5815	1260
11-Mar-2005	28773	28972	21870	25392	25403	29904	26399	28472	53786	50520	5836	2325
12-Mar-2005	30937	29902	23791	26020	26055	31246	28226	28075	58904	59009	5991	2561
13-Mar-2005	31463	32286	24368	26012	28053	32992	28697	27184	58837	59274	5979	2970
14-Mar-2005	33047	34723	25175	26095	28972	34474	27863	30058	58521	56906	6172	3183
15-Mar-2005	34580	35268	24332	25822	29417	37008	29464	29301	59315	58097	6177	3038
16-Mar-2005	35526	38160	25549	26527	29957	37587	29978	28706	59730	60174	6057	845
17-Mar-2005	37338	37435	26957	26183	31224	39776	30528	29893	61411	63766	4296	711
18-Mar-2005	38202	35852	27567	26538	32737	39349	30750	30624	61729	65579	4240	764
19-Mar-2005	39332	37691	27333	28893	32613	40006	30598	30205	62376	65426	2534	-19
20-Mar-2005	38156	36152	25585	26427	32062	42793	27280	27585	58349	56723	2535	488
21-Mar-2005	38280	36576	26500	31410	31550	36564	28329	27994	57996	56560	3115	1364
22-Mar-2005	37670	37291	25874	31985	28713	37322	28371	27528	54942	54688	2525	-660
23-Mar-2005	36478	37562	25902	28732	28933	33882	28304	26422	56093	58235	2931	1556
24-Mar-2005	36677	37945	26290	29358	30272	34443	28217	27244	59856	57999	2839	3144
25-Mar-2005	34467	37070	24725	28343	29544	29419	26327	25086	59378	60865	2883	4403
26-Mar-2005	29915	33352	21269	25924	26273	25681	22876	20955	56478	60326	5131	3106
27-Mar-2005	32558	35298	21337	25205	26425	26238	23095	26586	53864	52634	3959	3241
28-Mar-2005	33358	36410	23750	28790	28004	27788	27843	27534	57030	55901	2985	4187
29-Mar-2005	33017	33643	23798	28126	28987	27994	27733	24919	58231	59353	3000	4948
30-Mar-2005	32061	32360	23304	27927	27608	27269	25652	23170	57682	61189	3010	5061
31-Mar-2005	32062	31870	23409	27983	27597	26461	25588	23007	56645	60144	3078	5200
Total MU	993.152	1007.078	742.996	850.709	874.121	1061.026	850.807	770.376	1780.735	1783.120	159.543	96.649
Max. MWH	39332	38160	27567	31985	32737	42793	30750	30624	62376	65579	7907	6236
Min MWH	23897	21542	21269	20641	24512	25681	22876	16815	50908	46538	2525	-660
Avg. MWH	32037	32486	23968	27442	28197	34227	27445	24851	57443	57520	5147	3118

VIII. Schedule vs Actual Drawals of Northern Regional Constituents (Sheet 2 of 2)

Date	Himachal Pradesh		Jammu & Kashmir		Chandigarh		NFF		Railways	
	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual
1-Mar-2005	10178	8768	17266	14827	3558	2878	51	75	1098	1551
2-Mar-2005	10163	8276	16425	15682	3396	2806	42	80	1161	1563
3-Mar-2005	10059	7967	16511	15043	3430	2800	46	81	1332	1587
4-Mar-2005	9926	8007	17184	15066	3388	2816	50	80	1555	1587
5-Mar-2005	9918	7946	18402	13622	3417	2733	36	81	1720	1475
6-Mar-2005	10190	7324	18649	16183	3409	2557	38	81	1310	1551
7-Mar-2005	10530	7364	18901	17590	3633	2762	29	77	1428	1495
8-Mar-2005	10678	7311	18663	20843	3678	2629	36	83	1374	1650
9-Mar-2005	10652	8469	18946	20142	3540	2891	30	80	1348	1590
10-Mar-2005	9941	7907	18922	18930	3533	2791	24	81	1210	1453
11-Mar-2005	9296	7521	18660	19768	3517	2812	33	84	775	1516
12-Mar-2005	9483	7220	18638	19848	3524	2749	36	78	884	1647
13-Mar-2005	9698	6906	18933	18839	3492	2468	36	79	1483	1668
14-Mar-2005	10111	6778	19635	18446	3610	2750	39	79	1495	1526
15-Mar-2005	10337	6356	19716	18356	3612	2861	42	78	1062	1547
16-Mar-2005	10894	6669	20587	17244	3624	2953	20	77	1194	1299
17-Mar-2005	11917	6455	20939	18521	3820	2976	20	77	1419	1510
18-Mar-2005	12054	6841	21333	19768	3828	2939	41	77	1635	1562
19-Mar-2005	11939	6662	21766	17038	3872	2871	33	67	1309	1712
20-Mar-2005	11824	5550	20177	17891	3893	2586	34	66	1313	1642
21-Mar-2005	11574	6399	22363	19272	3933	2799	20	60	1093	1619
22-Mar-2005	11530	5372	21497	19878	3828	2786	32	54	840	1506
23-Mar-2005	10762	5952	21450	19754	3781	2823	33	52	1067	1554
24-Mar-2005	10936	6136	20413	19737	3827	2810	30	50	1176	1593
25-Mar-2005	10631	6428	20032	20433	3818	2744	30	48	1218	1552
26-Mar-2005	9668	4605	19538	19754	3892	2328	31	48	1270	1509
27-Mar-2005	9898	5296	19014	18842	3763	2410	20	48	780	1471
28-Mar-2005	10237	6271	19455	19049	3743	2799	20	65	773	1489
29-Mar-2005	10156	6568	19242	19578	3736	2874	44	72	1278	1494
30-Mar-2005	9869	6572	19239	19280	3708	2926	39	74	1372	1555
31-Mar-2005	9920	6515	18945	20131	3734	2840	20	73	1029	1582
Total MU	324.969	212.411	601.441	569.355	113.537	85.767	1.035	2.205	38.001	48.055
Max. MWH	12054	8768	22363	20843	3933	2976	51	84	1720	1712
Min MWH	9296	4605	16425	13622	3388	2328	20	48	773	1299
Avg. MWH	10483	6852	19401	18366	3662	2767	33	71	1226	1550

IX Schedule vs Actual Injection of ISGS (Sheet 1 of 4)

Figs. In MWH

Date	Singrauli		Rihand		Dadri(T)		Unchahar-I		Unchahar-II		Dadri GPS	
	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual
1-Mar-2005	40200	40641	22080	22389	17839	18706	9084	9184	9184	9369	9909	9534
2-Mar-2005	40259	40661	22080	22388	18412	18803	9336	9522	9198	9247	11321	11469
3-Mar-2005	40200	40644	22080	22466	18412	18747	9286	9536	9112	9299	12193	12260
4-Mar-2005	40544	40929	22080	22353	18552	18703	9336	9475	8817	8881	12625	12844
5-Mar-2005	43616	43934	21928	22074	18274	18549	9288	9359	9157	9249	11851	11626
6-Mar-2005	43222	43773	21729	22194	17033	18192	9274	9399	9141	9347	14317	13978
7-Mar-2005	43554	44210	21912	22331	18086	18705	9294	9451	9186	9387	14071	13863
8-Mar-2005	43965	44418	22080	22290	18552	18872	9336	9455	9264	9370	14589	14415
9-Mar-2005	43163	43133	21701	21634	17354	16798	9032	8962	8990	8925	13128	12687
10-Mar-2005	42940	42874	21591	21585	15113	15232	7886	7939	8275	8270	10931	10485
11-Mar-2005	40270	40799	21933	22273	15644	16509	8457	8698	8632	8871	12355	12284
12-Mar-2005	44267	44595	22080	22387	17856	18442	9276	9466	9144	9360	13848	13452
13-Mar-2005	44280	44532	22080	22300	18552	18687	9267	9393	9122	9264	13954	12886
14-Mar-2005	44000	44589	21890	22272	17987	18652	9146	9366	8893	9159	13617	12902
15-Mar-2005	44280	44702	22080	22267	18552	18911	9235	9389	9067	9281	13615	13254
16-Mar-2005	44280	44683	22080	22328	18552	18823	9235	9453	9071	9322	14082	13479
17-Mar-2005	44280	44518	22080	22297	18552	18817	9215	9421	9047	9268	15158	15108
18-Mar-2005	44280	44670	22080	22280	18552	18905	9142	9441	8911	9291	15967	15881
19-Mar-2005	44098	44446	22015	22134	17960	18191	9180	9427	8970	9215	15932	15755
20-Mar-2005	43621	43949	21821	21799	15738	16521	8532	8769	8419	8626	13819	13612
21-Mar-2005	40220	39517	21592	21428	15147	15636	8391	8715	8380	8629	15118	14866
22-Mar-2005	32824	33051	21833	21987	16158	17115	8642	8919	8700	8932	14636	15009
23-Mar-2005	33784	34066	21716	21919	16729	17181	9153	9335	9006	9186	15290	15393
24-Mar-2005	43590	44073	21434	21610	16653	17026	9042	9106	8864	9056	15606	15697
25-Mar-2005	43523	43918	21350	21409	14999	15913	8754	8950	8638	8951	15491	15557
26-Mar-2005	38663	39166	19101	18939	13678	14078	7568	7889	7381	7793	11091	10980
27-Mar-2005	37180	37976	19950	20686	14002	14410	7414	7938	7522	8154	8107	7930
28-Mar-2005	39472	40176	21544	22083	15928	17404	9248	9484	9082	9389	11586	11627
29-Mar-2005	39596	40155	21574	22066	16363	17468	9130	9457	9017	9365	16558	16516
30-Mar-2005	39592	40114	21574	22179	14065	14881	9157	9429	9015	9337	15606	15566
31-Mar-2005	39592	40154	21462	22274	12993	13334	9152	9406	9053	9344	14465	14683
Total MU	1287.355	1299.066	672.530	680.621	522.287	538.211	277.488	283.733	274.258	281.137	420.836	415.598
Max. MWH	44280	44702	22080	22466	18552	18911	9336	9536	9264	9389	16558	16516
Min MWH	32824	33051	19101	18939	12993	13334	7414	7889	7381	7793	8107	7930
Avg. MWH	41528	41905	21695	21956	16848	17362	8951	9153	8847	9069	13575	13406

IX. Schedule vs Actual Injection of ISGS (Sheet 2 of 4)

Date	Anta GPS		Auraiya GPS		NAPS		RAPS-B		Bairasiul		igs. In MWH	
	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual
1-Mar-2005	6204	5785	8887	8772	8232	8103	9168	9047	3588	3614	8809	8882
2-Mar-2005	6959	6741	9289	9291	8184	8025	4315	3981	3291	3320	8835	8925
3-Mar-2005	7603	7825	9937	9954	8160	7932	4392	4102	3500	3532	8440	8519
4-Mar-2005	7768	7974	10374	10408	8136	8040	6268	5787	3500	3529	8920	9000
5-Mar-2005	6467	6688	8993	8922	8016	8125	8640	9014	3854	3682	10873	10963
6-Mar-2005	7117	7135	9959	9763	8040	8105	9000	9128	4090	4128	11040	11125
7-Mar-2005	7039	7497	9993	9817	8064	8074	9072	9091	3618	3628	10368	10444
8-Mar-2005	7380	7492	10409	10281	8064	8046	9120	9047	3957	3990	9549	9632
9-Mar-2005	6760	6710	9642	9331	8064	8110	9120	9080	3972	3998	10515	10604
10-Mar-2005	6085	6163	9026	8842	8088	8180	9120	9233	3942	3978	10505	10561
11-Mar-2005	6852	6946	9733	9703	8112	8137	9120	9175	3824	3860	9966	10036
12-Mar-2005	7408	7689	10547	10535	8160	8126	9120	9196	3867	3901	10080	10184
13-Mar-2005	7302	7202	10368	10165	8208	8158	9120	9214	4296	4335	10415	10516
14-Mar-2005	7066	6838	10071	10207	8208	8084	9120	9128	4499	4521	11850	11948
15-Mar-2005	7604	7764	10123	10124	8208	8035	9192	9128	4512	4523	11931	12043
16-Mar-2005	7497	7709	10237	10504	8208	7964	9240	9093	4512	4553	14268	14406
17-Mar-2005	7596	7449	10402	10629	8088	7876	9192	9122	4512	4538	14945	15051
18-Mar-2005	6995	7329	10334	10463	8208	7807	9192	9178	4296	4328	15673	15808
19-Mar-2005	7138	7912	10316	10440	8208	7867	9216	9160	3447	3479	15393	15495
20-Mar-2005	7296	7993	9227	9287	8208	8038	9288	9207	4296	4319	9381	9444
21-Mar-2005	7786	8312	9750	9827	7944	8078	9288	9170	4296	4316	16025	16165
22-Mar-2005	8403	8726	9574	9997	8112	7982	9288	9183	4296	4328	15186	15319
23-Mar-2005	7157	7514	9660	9877	8112	8047	9288	9252	4296	4331	14363	14417
24-Mar-2005	6553	6830	9733	9939	8088	8029	9288	9304	4237	4275	11895	12002
25-Mar-2005	7001	6998	10433	10417	7680	8185	9288	9329	4031	4058	10696	10763
26-Mar-2005	6829	7297	8481	8468	8112	8161	9288	9265	3854	3880	10080	10112
27-Mar-2005	8126	8188	10041	9987	8232	8034	9840	9237	3883	3915	10285	10366
28-Mar-2005	8988	9130	9898	10347	8208	7967	9864	9220	3616	3644	10516	10336
29-Mar-2005	6643	6910	10264	10311	8160	8062	9816	9211	3618	3651	9103	9177
30-Mar-2005	6881	7591	10208	10350	8016	8099	9768	9268	3565	3597	9260	9369
31-Mar-2005	8378	8941	10217	10287	8028	8072	9792	8832	3393	3426	8540	8609
Total MU	224.881	231.278	306.126	307.245	251.556	249.548	274.823	270.382	122.458	123.177	347.705	350.221
Max. MWH	8988	9130	10547	10629	8232	8185	9864	9329	4512	4553	16025	16165
Min MWH	6085	5785	8481	8468	7680	7807	4315	3981	3291	3320	8440	8519
Avg. MWH	7254	7461	9875	9911	8115	8050	8865	8722	3950	3973	11216	11297

IX. Schedule & Actual Injection of ISGS (Sheet 3 of 4)

Figs. In MWH

Date	Tanakpur		Chamera		Uri		Bhakra Complex		Dehar		Pong	
	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual
1-Mar-2005	756	764	8544	8606	6600	4938	9180	8644	6953	7324	0	-38
2-Mar-2005	768	776	8544	9082	6163	5947	9319	9070	5943	6185	0	-54
3-Mar-2005	778	805	8544	8608	6720	5949	9436	8982	6713	6759	0	-70
4-Mar-2005	763	777	6141	6145	7920	5569	9436	8901	6713	6709	0	-46
5-Mar-2005	739	749	6141	6166	7920	5473	9436	9006	5998	6049	60	17
6-Mar-2005	865	873	6141	6192	7000	6438	9491	8718	6713	6873	70	64
7-Mar-2005	850	859	10146	10182	7759	6803	9491	8896	7109	6952	81	47
8-Mar-2005	833	845	10502	10552	7763	8023	9491	8895	7109	7007	81	60
9-Mar-2005	850	855	6675	6628	7835	7942	9491	8909	7754	6757	81	64
10-Mar-2005	427	766	6319	6408	8080	8077	9453	8806	7731	7697	179	118
11-Mar-2005	858	863	6297	6384	8091	8166	10042	9458	7348	7284	81	28
12-Mar-2005	834	842	6208	6417	7699	7872	10263	9449	7395	6877	65	52
13-Mar-2005	816	815	6341	6624	8010	8257	10196	9352	6879	6884	65	54
14-Mar-2005	854	857	7521	7818	8010	8031	10034	9350	8524	8132	81	66
15-Mar-2005	875	880	7320	7714	8040	8219	10114	9311	10015	10023	81	61
16-Mar-2005	906	926	7365	7816	8026	7716	10147	9328	11863	11317	81	75
17-Mar-2005	1019	1044	12015	12159	7640	7877	10174	9421	10760	10593	1295	1274
18-Mar-2005	1061	1074	12816	12928	8095	8233	10174	9458	10665	10599	3500	3471
19-Mar-2005	1030	1041	12816	12931	9390	9718	10174	9270	15040	14845	1158	1362
20-Mar-2005	1045	1044	12816	12893	10595	10823	10174	9376	15040	14771	0	-35
21-Mar-2005	941	940	12816	12930	11158	11201	10174	9316	14250	14330	0	-35
22-Mar-2005	872	876	12816	13225	10342	10478	9083	8376	15425	15391	0	-32
23-Mar-2005	852	869	12816	12928	11027	11187	7444	7184	15070	15120	0	-23
24-Mar-2005	847	857	12816	12928	10947	11100	7444	7157	14580	14172	0	-45
25-Mar-2005	861	869	12816	12843	10948	11125	7444	7335	10528	10154	0	-51
26-Mar-2005	837	837	12816	12810	11045	11380	7407	7114	9690	9289	0	-75
27-Mar-2005	818	825	12816	12925	11153	11432	7411	7236	9410	9333	0	-55
28-Mar-2005	856	861	12816	12929	10950	10724	7411	7236	9483	9404	0	-54
29-Mar-2005	830	837	12816	12929	10888	11212	7434	7021	8873	8135	0	-46
30-Mar-2005	816	830	12816	12925	10908	11203	7434	7227	7608	7509	0	-16
31-Mar-2005	808	821	12816	12929	10891	11238	7434	7283	7773	7456	0	-26
Total MU	26.265	26.877	310.188	314.554	277.613	272.351	281.836	265.085	294.955	289.930	6.959	6.112
Max. MWH	1061	1074	12816	13225	11158	11432	10263	9458	15425	15391	3500	3471
Min MWH	427	749	6141	6145	6163	4938	7407	7021	5943	6049	0	-75
Avg. MWH	847	867	10006	10147	8955	8786	9091	8551	9515	9353	224	197

IX. Schedule & Actual Injection of ISGS (Sheet 4 of 4)

igs. In MWH

Date	Nathpa-Jhakri HEP		Chamera stage-II	
	Schedule	Actual	Schedule	Actual
1-Mar-2005	6770	6793	2045	2065
2-Mar-2005	6176	6231	1896	1914
3-Mar-2005	6685	6746	2366	2385
4-Mar-2005	6896	6884	2144	2159
5-Mar-2005	6556	6589	2332	2295
6-Mar-2005	6765	6831	2366	2388
7-Mar-2005	6739	6766	2391	2411
8-Mar-2005	6593	6641	2424	2446
9-Mar-2005	6855	6804	2540	2505
10-Mar-2005	6820	6845	2342	2359
11-Mar-2005	6614	6674	2466	2487
12-Mar-2005	6841	6905	2416	2439
13-Mar-2005	7063	7121	3027	3048
14-Mar-2005	7507	7580	3381	3410
15-Mar-2005	8196	8271	3827	3859
16-Mar-2005	9065	9127	4236	4272
17-Mar-2005	9321	9378	4406	4444
18-Mar-2005	9323	9381	4456	4497
19-Mar-2005	8821	8891	6881	6947
20-Mar-2005	8841	8907	5841	5897
21-Mar-2005	8570	8634	5445	5494
22-Mar-2005	8816	8896	5247	5294
23-Mar-2005	8106	8114	4208	4243
24-Mar-2005	7801	7855	3802	3834
25-Mar-2005	7636	7680	3505	3527
26-Mar-2005	7421	7434	3310	3266
27-Mar-2005	7469	7536	3416	3443
28-Mar-2005	7571	7633	3416	3444
29-Mar-2005	7442	7489	3250	3279
30-Mar-2005	7442	7512	2854	2883
31-Mar-2005	7559	7576	2886	2909
Total MU	234.280	235.724	105.122	105.843
Max. MWH	9323	9381	6881	6947
Min MWH	6176	6231	1896	1914
Avg. MWH	7557	7604	3391	3414

X. Daily Generation Details of State Sector Stations

(All Figs in MUs)

Date	Punjab(T)	Punjab(H)	Haryana(T)	Haryana(H)	Rajasthan(T)	Rajasthan(H)	UP (T)	UP (H)	Uttaranchal(H)	Delhi(T)	HP+B'PA(H)	J & K(H+GT)	Total
01	33.161	8.595	18.742	0.667	45.276	4.605	57.056	1.429	6.776	15.104	3.328	1.42	196.16
02	30.534	9.082	18.920	0.717	42.264	5.333	54.459	0.653	8.112	15.614	3.313	1.14	190.14
03	32.859	8.866	18.659	0.638	41.226	4.661	45.989	0.644	8.219	15.596	3.376	1.62	182.35
04	33.260	8.525	16.887	0.454	42.835	4.227	45.989	0.554	8.373	15.835	3.289	1.51	181.74
05	31.253	8.789	13.807	0.632	45.118	3.645	48.801	0.507	8.046	12.367	3.158	2.00	178.13
06	28.397	8.661	16.492	0.584	43.874	4.758	53.117	0.606	7.973	12.177	3.300	1.65	181.58
07	28.797	9.300	18.384	0.568	45.398	4.384	54.999	1.083	8.499	14.090	3.377	1.90	190.77
08	30.183	9.072	20.330	0.563	45.723	4.308	55.509	1.244	9.230	14.851	3.390	2.20	196.61
09	30.665	9.319	17.269	0.465	43.403	2.585	51.538	0.490	8.977	11.326	3.338	2.30	181.67
10	26.561	9.326	11.012	0.424	42.879	3.365	48.086	1.252	10.471	11.342	3.686	2.65	171.05
11	27.295	9.558	11.600	0.512	44.118	3.774	49.919	1.605	10.531	11.340	3.702	2.65	176.61
12	29.947	9.484	12.050	0.509	45.152	3.480	41.808	2.063	9.981	10.368	3.664	2.47	170.98
13	30.580	9.490	12.398	0.460	44.251	3.146	43.810	2.665	9.704	10.342	3.616	2.67	173.14
14	32.593	9.109	14.889	0.472	45.222	3.235	52.520	1.714	9.726	9.692	3.763	2.71	185.65
15	32.767	9.307	16.933	0.528	45.536	2.974	53.090	1.809	10.030	11.261	3.895	3.03	191.16
16	33.552	7.727	14.911	0.558	45.614	3.052	52.084	2.346	12.310	13.648	3.553	3.21	192.57
17	30.652	3.950	18.598	0.771	45.858	2.886	49.427	2.839	12.277	14.044	3.475	2.94	187.71
18	26.371	5.069	17.772	0.758	46.028	2.735	48.606	2.737	12.481	14.070	3.577	2.05	182.26
19	25.293	4.328	17.164	0.801	44.244	2.774	50.033	2.075	11.924	13.860	3.807	1.78	178.08
20	24.763	2.347	9.703	0.739	38.640	3.056	58.713	1.220	11.260	13.437	4.460	1.96	170.29
21	23.321	2.500	5.841	0.698	39.163	3.011	55.046	1.069	10.482	13.329	4.472	2.21	161.14
22	22.465	2.078	8.615	0.671	43.478	2.008	54.390	1.980	12.594	13.828	5.000	1.41	168.51
23	23.971	1.451	10.831	0.799	46.811	1.759	51.643	2.683	10.689	13.435	4.708	2.25	171.03
24	23.956	1.453	11.136	0.988	44.975	1.622	52.491	1.188	9.236	14.361	4.444	2.39	168.24
25	24.363	1.452	11.361	1.003	48.620	0.783	53.270	1.416	8.272	14.466	4.200	2.42	171.62
26	19.449	1.388	10.120	0.966	43.313	1.174	54.521	1.723	8.069	11.724	3.932	2.36	158.74
27	20.175	1.426	10.987	1.028	42.247	1.907	47.346	1.544	8.527	9.064	4.150	2.50	150.90
28	27.966	1.464	11.602	0.994	47.194	1.827	53.988	2.287	8.823	10.746	4.068	2.18	173.13
29	34.554	1.455	14.830	0.885	48.060	1.794	53.331	2.366	7.509	13.739	3.941	2.49	184.95
30	37.984	1.454	15.529	0.906	48.131	2.066	51.888	2.366	7.614	13.690	3.942	2.31	187.88
31	38.055	1.450	14.478	0.708	48.106	1.654	52.168	2.069	7.616	14.478	3.869	2.02	186.67
Maximum	38.06	9.56	20.33	1.03	48.62	5.33	58.71	2.84	12.59	15.84	5.00	3.21	196.61
Minimum	19.45	1.39	5.84	0.42	38.64	0.78	41.81	0.49	6.78	9.06	3.16	1.14	150.90
Average	28.89	5.73	14.25	0.69	44.61	2.99	51.47	1.62	9.49	13.01	3.80	2.21	178.76
Month Total	895.74	177.48	441.85	21.47	1382.76	92.59	1595.63	50.23	294.33	403.22	117.79	68.39	5541.48

XI. Performance Of Generating Stations

S.No.	Power Station	Effective Capacity MW	Energy Generated during March 2005 (Ex Bus MU)	Cummulative from 01.04.2004 (Ex-bus MU)
1	CENTRAL SECTOR			
A	NTPC (Thermal)			
(a)	Badarpur TPS	705.00	322.23	4971.87
(b)	Singrauli STPS	2000.00	1269.10	14633.12
(c)	Rihand STPS	1000.00	675.68	7308.58
(d)	Dadri NCTPS	840.00	538.37	6235.54
(e)	Unchahar-I TPS	420.00	280.44	3052.36
(f)	Unchahar-II TPS	420.00	281.30	3119.50
(g)	Tanda TPS	440.00	280.91	2926.14
(h)	Anta GPS	419.33	231.28	2702.31
(i)	Auraiya GPS	663.36	307.25	4008.30
(j)	Dadri GPS	829.78	415.86	5359.92
(k)	Faridabad GPS	431.57	264.03	3088.69
	Total NTPC	8169.04	4866.44	57406.33
B	NHPC			
(a)	Bairasiul	180.00	123.18	676.67
(b)	Salal	690.00	350.16	3435.05
(c)	Tanakpur HPS	94.20	26.87	491.97
(d)	Chamera HPS	540.00	314.67	2102.26
(e)	Uri HPS	480.00	272.07	2192.25
(f)	Chamera2 HPS	300.00	105.85	1344.07
	Total NHPC	2284.20	1192.80	10242.27
C	Nathpa-Jhakri	1500.00	235.72	5108.77
D	NPC			
(a)	RAPS -A	300.00	85.27	1195.49
(b)	RAPS -B	440.00	270.42	2619.40
(c)	NAPS	440.00	252.02	2441.04
	Total NPC	1180.00	607.71	6255.93
2	JOINTLY OWNED (BBMB)			
(a)	Bhakra Complex	1480.30	281.84	4517.12
(b)	Dehar	990.00	290.08	3102.12
(c)	Pong	396.00	7.12	874.71
	Total BBMB	2866.30	579.05	8493.95
3	DELHI			
(a)	Indra Prastha	247.50	65.15	805.41
(b)	Rajghat	135.00	56.52	607.20
(c)	Gas Turbines	282.00	102.29	1502.29
(d)	Pragati Gas	330.00	179.28	2493.01
	Total DELHI	994.50	403.24	5407.90
4	HARYANA			
(a)	WYC	62.40	21.63	283.89
(b)	Faridabad (New)	165.00	46.84	755.28
(c)	Panipat	860.00	452.60	5198.14
(d)	Magnum Diesel(IPP)*	25.20	8.32	92.55
	Total Haryana	1112.60	529.39	6329.87

contd/-

5 HP				
(a)	Giri	60.00	19.10	152.19
(b)	Bassi	60.00	17.82	269.61
(c)	Binwa	6.00	4.42	32.00
(d)	Rongtong (+Nogli+Micro+Thirot+Sal-2)	15.25	2.86	46.20
(e)	Andhra	16.95	5.84	56.31
(f)	Bhabha (H)	120.00	15.98	581.48
(g)	Baner (H)	12.00	6.56	42.62
(h)	Gaj (H)	10.50	6.63	50.47
(i)	Gumma	3.00	0.87	4.35
(j)	Ghanvi	22.50	6.84	74.06
(k)	Malana (IPP)	86.00	12.68	266.08
(l)	Baspa (IPP)	300.00	27.51	1196.82
	Total HP	712.20	127.11	2772.19
6 J & K				
(a)	Lower Jhelum	105.00	55.43	427.03
(b)	Upper Sindh	127.60	9.74	177.10
(c)	Ganderbal	15.00	3.21	26.44
(d)	Mohra	9.00	0.00	0.00
(e)	Chenani	32.80	0.00	83.51
(f)	Stakna	9.75	0.00	0.00
(g)	Small Hydel	3.54	0.00	5.70
(h)	Sewa	9.00	0.00	0.00
(i)	Diesel gen set	7.18	0.00	0.00
(j)	Pampore GT St - I	75.00	0.00	7.48
(k)	Pampore GT St - II	100.00	0.00	15.88
	Total J & K	493.87	68.38	743.14
7 PUNJAB				
(a)	Jogindernagar/ Shanan	110.00	34.58	510.13
(b)	UBDC	90.00	20.17	376.99
(c)	Mukerian	207.00	4.99	796.53
(d)	Anandpur Sahib (APS)	134.00	5.66	387.65
(e)	Ranjit Sagar HPS	600.00	96.12	1131.37
(f)	Small Hydel	4.10	0.30	1.40
(g)	GNDTPS (Bhatinda)	440.00	134.72	1751.12
(h)	GGSTPS (Ropar)	1260.00	614.56	8320.32
(i)	Jhalkeri	10.00	5.00	16.85
	Peda & Sugarmill		7.00	76.39
(j)	Lehra Mohabbat TPS	420.00	149.19	2906.46
	Total Punjab	3275.10	1072.30	16275.21
8 RAJASTHAN				
(a)	Mahi Bajaj Sagar	140.00	22.34	248.03
(b)	Rana Pratap Sagar (RPS)	172.00	42.08	377.85
(c)	Jawahar Sagar (JS)	99.00	28.99	280.64
(d)	Gandhi sagar	115.00		
(d)	ACW	9.00	0.93	9.95
(e)	MMH	14.85	1.85	10.36
(f)	Kota TPS	1045.00	686.85	6980.01
(g)	RAMGARH GT			
(h)	RAMGARH GT EXT	110.50	36.56	336.49
(i)	Suratgarh TPS	1250.00	671.29	8491.85
(j)	Wind Farm	259.94	22.54	348.64
(k)	Others	7.80	1.32	34.78
	Total Rajasthan	3108.09	1514.75	17118.60

contd/-

9	U.P.			
	<u>HYDRO</u>			
(a)	Rihand	300.00	15.10	477.04
(b)	Obra	99.00	5.91	199.04
(c)	Matatilla	30.00	4.71	144.87
(d)	Khara	72.00	0.00	276.40
	Total U.P. (Hydro)	501.00	25.71	1097.35
	<u>THERMAL</u>			
(e)	Obra	1442.00	513.39	4857.89
(f)	Panki	242.00	87.57	912.76
(g)	Harduaganj	375.00	24.42	552.70
(h)	Paricha	220.00	42.24	846.74
(i)	Anpara	1630.00	937.62	10057.39
	Total U.P. (Thermal)	3909.00	1605.24	17227.48
	Total U.P.	4410.00	1630.95	18324.82
10	UTTRANCHAL			
(a)	Khatima	41.40	13.15	182.63
(b)	Ramganga	198.00	44.96	210.12
(c)	Ganga Canal	32.70	75.69	208.86
(d)	Yamuna (I & IV)	114.75	12.19	829.84
(e)	Chibro	240.00	70.61	633.89
(f)	Khodri	120.00	33.97	300.83
(g)	Chilla	144.00	42.67	744.83
(h)	Maneri Bhali	90.00	0.00	0.00
(i)	Sibla+Small hydel	18.20		
	Total Uttranchal	999.05	293.24	3111.00
11	CHANDIGARH			
	Diesel gen set	1.40		
	Total Region	31106.35	13121.08	157589.97

* Includes generation of MUL and Sugar fed GOHANA

- Notes : 1. The ex-bus generations are either actual values or based on the following assumptions in respect of auxiliary consumption
- | | |
|---|----------------------------|
| -----Hydro and diesel/gas power stations in open cycle-----1.0% | Nuclear stations-----12.5% |
| -----Gas power stations in combined cycle-----3.0% | |
| -----Coal fired power stations | |
| IP---12% | Faridabad---13.5% |
| Rajghat---11% | Panipat---12.0% |
| | Suratgarh---10.0% |
| | KTPS---10.0% |
| UP---12.5% | Lehra Mohabat---10.5% |
| Tanda---12.5% | RTP---7.5% |
| | GNDTP---10.5% |

XII. DETAILS OF ENERGY EXCHANGES THROUGH BILATERAL AGREEMENTS (INTRA-REGIONAL) DURING MARCH 2005

(ALL FIGS IN MUs)

FROM / TO	PUNJAB	HARYANA	RAJASTHAN	DELHI	UP	UTTRANCHAL	HP	J & K	CHANDIGARH	MALANA
PUNJAB	-		-		-	23.450****			-	-
HARYANA	-	-	-	19.464****		-	8.017****	-	-	10.296*
RAJASTHAN		-	-		-	-	-	-		
DELHI	-		-		-	-		-	-	-
UP	-	-	-	-	-	-		-	-	-
UTTRANCHAL	12.600***	-	-	-	-	-		-	-	-
HP	9.592*** 6.660****	9.632****	-		4.092***	34.203***	-	-	-	-
J & K		-	-		-	-	-	-	-	-
CHANDIGARH	-	-	-	-	-	-	-	-	-	-

* Through PTC

** Through NVVN

*** Shared projects



**** Through Banking/ Agreement

REMARKS : Figures are provisional and indicative only.

XIII. DETAILS OF ENERGY EXCHANGES THROUGH BILATERAL AGREEMENTS (INTER-REGIONAL) DURING MARCH 2005

(ALL FIGS IN MUs)									
FROM / TO	GRIDCO	CESC	WBPCL	TATA	Uttaranchal	DVC	APTRANSCO	Meghalaya	TRIPURA
PUNJAB		6.990*WR	19.941* 23.970***+1.939***WR					-	
HARYANA			11.954* 10.770***					2.790***	11.803***
RAJASTHAN			14.806* 12.323***						
DELHI						--			
UP									
GEB	-			-	19.4*WR	-	-	-	
J & K					-	-	-	-	
CHANDIGARH									

* Through PTC

(+) Import by NR constituents

** Through Tata

(-) Export by NR constituents

*** Throgh NVVN

**** Through ADANI

REMARKS : Figures are provisional and indicative only

POWERGRID CORPORATION OF INDIA LTD.
NRLDC, New Delhi

Operational data

Summary of inter regional exchanges for March 2005

Date	Vindhyachal HVDC B/B							Auraiya - Malanpur						
	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total
	MW	MW	MW	MW	MU	MU	MU	MW	MW	MW	MW	MU	MU	MU
01	0	-50	50	200	0.01	0.88	-0.87	-22	-22	0	40	0.00	0.75	-0.75
02	0	31	125	200	0.25	0.28	-0.03	-24	-19	0	29	0.00	0.76	-0.76
03	0	30	75	100	0.10	0.25	-0.15	0	-28	0	30	0.00	0.76	-0.25
04	0	0	50	100	0.04	0.85	-0.80	-28	0	0	30	0.00	0.76	-0.55
05	50	-400	50	450	0.05	3.76	-3.70	-30	-28	0	35	0.00	0.65	-0.65
06	0	28	50	400	0.15	1.30	-1.15	-29	-30	0	37	0.00	0.73	-0.73
07	0	28	28	200	0.30	0.67	-0.37	-29	-30	0	37	0.00	0.71	-0.71
08	0	48	200	250	0.53	0.56	-0.03	-30	-35	0	38	0.00	0.73	-0.73
09	-300	28	100	-450	0.19	2.38	-2.20	-30	-24	0	36	0.00	0.70	-0.70
10	0	-50	100	-200	0.09	0.97	-0.88	-30	-26	0	36	0.00	0.71	-0.71
11	0	37	100	150	0.38	0.30	0.08	-33	-30	0	35	0.00	0.64	-0.64
12	0	45	100	200	0.24	0.45	-0.21	-35	-25	0	35	0.00	0.64	-0.64
13	-100	-50	150	200	0.33	0.55	-0.22	-34	-37	0	39	0.00	0.70	-0.70
14	0	37	48	250	0.28	0.89	-0.61	-29	-28	0	35	0.00	0.66	-0.66
15	-200	48	50	400	0.26	2.14	-1.88	-28	-30	0	35	0.00	0.67	-0.67
16	-100	-150	50	450	0.05	3.00	-2.95	-29	-35	0	36	0.00	0.70	-0.70
17	-400	28	28	400	0.11	3.62	-3.52	-32	-35	0	36	0.00	0.74	-0.74
18	-250	-250	28	450	0.01	6.21	-6.20	-36	-37	0	38	0.00	0.72	-0.72
19	-200	-450	0	500	0.00	6.81	-6.81	-38	-35	0	38	0.00	0.76	-0.76
20	-250	-400	0	475	0.00	6.12	-6.12	-40	-35	0	40	0.00	0.74	-0.74
21	-100	-475	50	475	0.00	6.30	-6.30	-32	-36	0	37	0.00	0.70	-0.70
22	0	-450	50	450	0.01	4.24	-4.23	-32	-34	0	37	0.00	0.66	-0.66
23	-100	-250	100	300	0.11	2.77	-2.66	-31	-35	0	38	0.00	0.69	-0.69
24	-50	-350	0	400	0.00	5.20	-5.20	-30	-32	0	35	0.00	0.67	-0.67
25	0	-100	0	200	0.00	2.08	-2.08	-32	-29	0	35	0.00	0.63	-0.63
26	0	-300	28	450	0.01	2.54	-2.52	-30	-24	0	35	0.00	0.49	-0.49
27	-50	-250	28	350	0.08	2.07	-1.99	-29	-26	0	36	0.00	0.53	-0.53
28	-150	-83	28	200	0.08	2.11	-2.04	-30	-25	0	30	0.00	0.62	-0.62
29	-100	-150	0	400	0.00	3.57	-3.57	-11	-15	0	21	0.00	0.65	-0.65
30	-75	-83	0	250	0.00	2.13	-2.13	-25	-22	0	27	0.00	0.70	-0.70
31	-75	-83	50	250	0.02	1.83	-1.82	-28	-33	0	33	0.00	0.72	-0.72
Maximum	50	48	200	500	0.53	6.81	0.08	0	0	0	40	0.00	0.76	-0.25
Minimum	-400	-475	0	-450	0.00	0.25	-6.81	-40	-37	0	21	0.00	0.49	-0.76
Average	-79	-129	55	273	0.12	2.48	-2.36	-29	-28	0	35	0.00	0.69	-0.66
Month Tota					3.67	76.80	-73.13					0.00	21.25	-21.25

POWERGRID CORPORATION OF INDIA LTD.
NRLDC, New Delhi

Operational data

Summary of inter regional exchanges for March 2005

Date	Ujjain - Kota							Sasaram HVDC B/B						
	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total
	MW	MW	MW	MW	MU	MU	MU	MW	MW	MW	MW	MU	MU	MU
01	0	0	0	0	0.00	0.00	0.00	106	453	453	0	7.23	0.00	7.23
02	0	0	0	0	0.00	0.00	0.00	278	400	450	0	5.83	0.00	5.83
03	0	0	0	0	0.00	0.00	0.00	100	410	410	0	5.86	0.00	5.86
04	0	0	0	0	0.00	0.00	0.00	103	300	300	50	4.30	0.49	3.81
05	0	0	0	0	0.00	0.00	0.00	104	103	300	0	3.90	0.00	3.90
06	0	0	0	0	0.00	0.00	0.00	106	150	250	0	4.20	0.00	4.20
07	0	0	0	0	0.00	0.00	0.00	100	340	400	0	4.30	0.00	4.30
08	0	0	0	0	0.00	0.00	0.00	104	370	400	0	6.43	0.00	6.43
09	0	0	0	0	0.00	0.00	0.00	110	325	375	0	4.99	0.00	4.99
10	0	0	0	0	0.00	0.00	0.00	150	-50	253	-100	3.08	0.00	3.08
11	0	0	0	0	0.00	0.00	0.00	112	200	450	0	4.23	0.00	4.23
12	0	0	0	0	0.00	0.00	0.00	104	200	450	0	5.77	0.00	5.77
13	0	0	0	0	0.00	0.00	0.00	108	350	450	0	7.91	0.00	7.91
14	0	0	0	0	0.00	0.00	0.00	75	354	433	0	7.39	0.00	7.39
15	0	0	0	0	0.00	0.00	0.00	78	337	360	50	6.56	0.10	6.46
16	0	0	0	0	0.00	0.00	0.00	77	250	350	50	4.89	0.10	4.79
17	0	0	0	0	0.00	0.00	0.00	50	270	325	0	5.41	0.00	5.41
18	0	0	0	0	0.00	0.00	0.00	150	375	400	0	5.67	0.00	5.67
19	0	0	0	0	0.00	0.00	0.00	50	100	276	0	3.26	0.00	3.26
20	0	0	0	0	0.00	0.00	0.00	59	50	276	0	2.43	0.00	2.43
21	0	0	0	0	0.00	0.00	0.00	60	78	240	0	3.02	0.00	3.02
22	0	0	0	0	0.00	0.00	0.00	60	78	240	0	2.20	0.00	2.20
23	0	0	0	0	0.00	0.00	0.00	60	150	400	0	4.13	0.00	4.13
24	0	0	0	0	0.00	0.00	0.00	50	175	375	0	4.64	0.00	4.64
25	0	0	0	0	0.00	0.00	0.00	100	100	350	0	4.10	0.00	4.10
26	0	0	0	0	0.00	0.00	0.00	100	219	400	0	4.14	0.00	4.14
27	0	0	0	0	0.00	0.00	0.00	80	60	200	0	2.75	0.00	2.75
28	0	0	0	0	0.00	0.00	0.00	60	165	200	0	2.91	0.00	2.91
29	0	0	0	0	0.00	0.00	0.00	80	150	250	0	3.06	0.00	3.06
30	0	0	0	0	0.00	0.00	0.00	60	150	212	0	3.31	0.00	3.31
31	0	0	0	0	0.00	0.00	0.00	80	160	160	0	3.48	0.00	3.48
Maximum	0	0	0	0	0.00	0.00	0.00	278	453	453	50	7.91	0.49	7.91
Minimum	0	0	0	0	0.00	0.00	0.00	50	-50	160	-100	2.20	0.00	2.20
Average	0	0	0	0	0.00	0.00	0.00	94	218	335	2	4.56	0.02	4.54
Month Tota					0.00	0.00	0.00					141.36	0.69	140.68

Summary of inter regional exchanges for March 2005

Operational data

Date	Sahupuri - Karamnasa							Rihand-Son Nagar						
	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total
	MW	MW	MW	MW	MU	MU	MU	MW	MW	MW	MW	MU	MU	MU
01	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
02	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
03	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
04	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
05	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
06	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
07	0	0	0	0	0.00	0.00	0.00	-25	-22	0	25	0.00	0.60	-0.60
08	0	0	0	0	0.00	0.00	0.00	-20	-18	0	25	0.00	0.60	-0.60
09	0	0	0	0	0.00	0.00	0.00	-16	-18	0	30	0.00	0.56	-0.56
10	0	0	0	0	0.00	0.00	0.00	-17	-19	0	28	0.00	0.53	-0.53
11	0	0	0	0	0.00	0.00	0.00	-21	-20	0	28	0.00	0.56	-0.56
12	0	0	0	0	0.00	0.00	0.00	-21	-20	0	28	0.00	0.56	-0.56
13	0	0	0	0	0.00	0.00	0.00	-21	0	0	28	0.00	0.54	-0.54
14	0	0	0	0	0.00	0.00	0.00	-25	-20	0	25	0.00	0.49	-0.49
15	0	0	0	0	0.00	0.00	0.00	-21	-20	0	0	0.00	0.53	-0.53
16	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
17	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
18	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
19	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
20	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
21	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
22	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
23	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
24	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
25	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
26	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
27	0	0	0	0	0.00	0.00	0.00	0	0	0	10	0.00	0.07	-0.07
28	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
29	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
30	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
31	0	0	0	0	0.00	0.00	0.00	0	0	0	15	0.00	0.05	-0.05
Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	0.00	0.60	0.00
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-25.00	-22.00	0.00	0.00	0.00	0.00	-0.60
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-6.03	-5.06	0.00	7.81	0.00	0.16	-0.16
Month Tota					0.00	0.00	0.00					0.00	5.07	-5.07

POWERGRID CORPORATION OF INDIA LTD.
NRLDC, New Delhi

Operational data

Summary of inter regional exchanges for March 2005

Date	Shahupuri-Pussauli							Rihand- Garvha						
	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total
	MW	MW	MW	MW	MU	MU	MU	MW	MW	MW	MW	MU	MU	MU
01	128	132	158	0	3.24	0.00	3.24	0	0	0	0	0.00	0.00	0.00
02	128	100	165	0	3.31	0.00	3.31	0	0	0	0	0.00	0.00	0.00
03	135	125	160	0	3.41	0.00	3.41	0	0	0	0	0.00	0.00	0.00
04	140	125	150	0	3.44	0.00	3.44	0	0	0	0	0.00	0.00	0.00
05	122	140	177	0	3.52	0.00	3.52	0	0	0	0	0.00	0.00	0.00
06	128	160	177	0	3.72	0.00	3.72	0	0	0	0	0.00	0.00	0.00
07	142	166	195	0	3.50	0.00	3.50	0	0	0	0	0.00	0.00	0.00
08	129	162	173	0	3.66	0.00	3.66	0	0	0	0	0.00	0.00	0.00
09	138	145	165	0	3.92	0.00	3.92	0	0	0	0	0.00	0.00	0.00
10	138	68	165	0	2.93	0.00	2.93	0	0	0	0	0.00	0.00	0.00
11	152	110	160	0	2.02	0.00	2.02	0	0	0	0	0.00	0.00	0.00
12	151	134	155	0	2.44	0.00	2.44	0	0	0	0	0.00	0.00	0.00
13	109	108	131	0	2.63	0.00	2.63	0	0	0	0	0.00	0.00	0.00
14	121	135	148	0	3.05	0.00	3.05	0	0	0	0	0.00	0.00	0.00
15	120	130	152	0	3.08	0.00	3.08	0	0	0	0	0.00	0.00	0.00
16	110	117	166	0	3.04	0.00	3.04	0	0	0	0	0.00	0.00	0.00
17	128	117	166	0	3.18	0.00	3.18	0	0	0	0	0.00	0.00	0.00
18	141	136	168	0	3.16	0.00	3.16	0	0	0	0	0.00	0.00	0.00
19	151	145	155	0	3.38	0.00	3.38	0	0	0	0	0.00	0.00	0.00
20	145	150	155	0	3.43	0.00	3.43	0	0	0	0	0.00	0.00	0.00
21	112	158	184	0	3.52	0.00	3.52	0	0	0	0	0.00	0.00	0.00
22	105	165	180	0	3.59	0.00	3.59	0	0	0	0	0.00	0.00	0.00
23	125	170	170	0	3.16	0.00	3.16	0	0	0	0	0.00	0.00	0.00
24	125	170	170	0	3.16	0.00	3.16	0	0	0	0	0.00	0.00	0.00
25	133	158	165	0	2.18	0.00	2.18	0	0	0	0	0.00	0.00	0.00
26	152	130	156	0	3.32	0.00	3.32	0	0	0	0	0.00	0.00	0.00
27	110	130	152	0	3.12	0.00	3.12	0	0	0	0	0.00	0.00	0.00
28	140	135	150	0	3.13	0.00	3.13	0	0	0	0	0.00	0.00	0.00
29	118	132	145	0	3.23	0.00	3.23	0	0	0	0	0.00	0.00	0.00
30	120	132	157	0	3.17	0.00	3.17	0	0	0	0	0.00	0.00	0.00
31	127	132	154	0	3.19	0.00	3.19	0	0	0	0	0.00	0.00	0.00
Maximum	152	170	195	0	3.92	0.00	3.92	0	0	0	0	0.00	0.00	0.00
Minimum	105	68	131	0	2.02	0.00	2.02	0	0	0	0	0.00	0.00	0.00
Average	130	136	162	0	3.19	0.00	3.19	0	0	0	0	0.00	0.00	0.00
Month Tota					98.83	0.00	98.83					0.00	0.00	0.00

XV. Status Of Installation Of Shunt Capacitors As On 31.03.2005**(All fig. In MVARs)**

STATE/UT	Requirement by 31.03.2005	Installed as on 31.03.2004	Additional Requirement for 2004-2005	Programme as furnished by SEB's	Installed during 2004-05 upto 31.03.2005	Balance to be installed during 2004-05	Capacitors installed as on 31.03.2005
DELHI	3155	** 3021	567	-	344	345	3365
HARYANA	3120	3269	141	500	147	-6	3416
PUNJAB	4700	4721	551	500	279	333	5000
RAJASTHAN	2650	2895	189	500	313	-99	3208
UP	4890	5192	477	700	0	477	5192
UTTRANCHAL	350	125	244	45	55	189	180
HP	305	311	41	-	0	41	311
J&K	915	147	790	500	0	790	147
BBMB	381	381	0	-	0	0	381
CHANDIGARH	165	100	55	-	0	55	100
TOTAL	20631	20162	3055	2745	1138	2125	21300

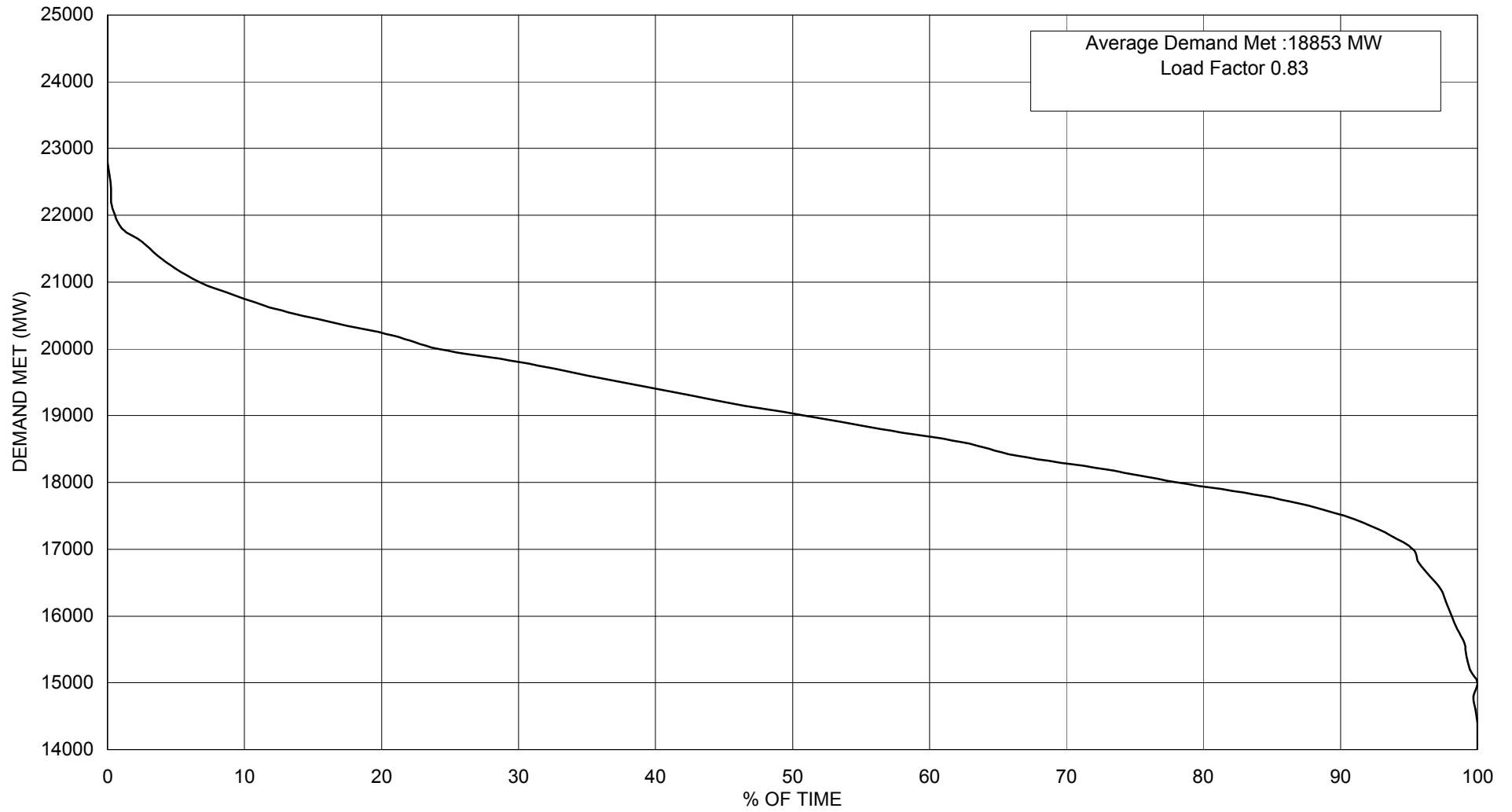
NOTE: However the effective installed capacitors are assumed to be 85% of column II** i.e 17195

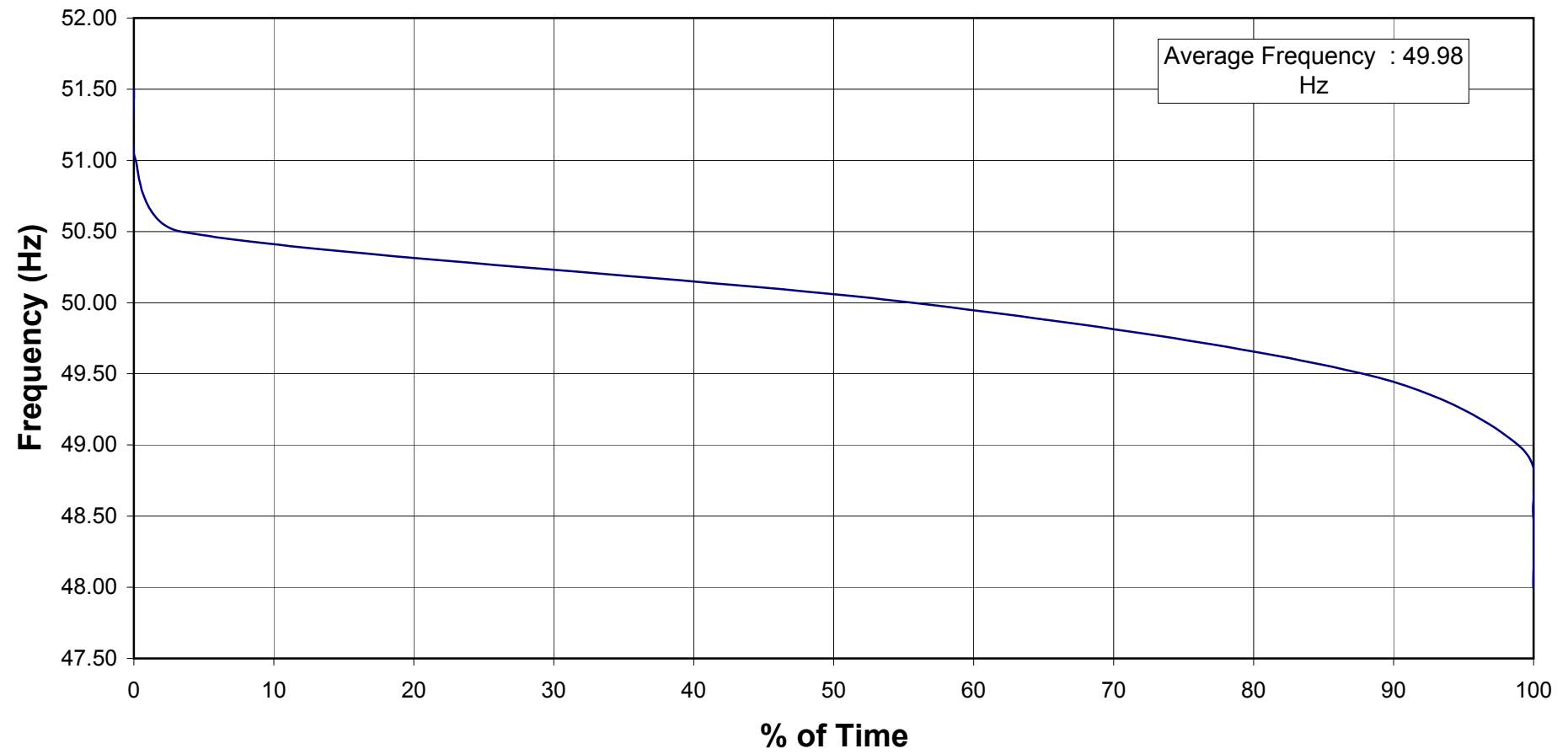
XVI. Hydraulic Data For Reservoirs During March 2005

Item	Bhakra	Pong	Rihand	R.P.S.	Gandhi Sagar (M.P.)
Full Reservoir Level (m)	514.50	433.12	268.22	352.65	402.64
(FRL) (ft)	1688.00	1421.00	880.00	1157.00	1321.00
Min. Draw Down Level (m)	445.62	384.05	252.98	342.90	381.00
(MDDL) (ft)	1462.00	1260.00	830.00	1125.00	1250.00
Level on last day of MARCH 2005 (m)	467.05	405.17	256.40	350.17	383.50
	1532.30	1329.31	841.20	1148.84	1258.20
Level on last day of MARCH 2004 (m)	477.02	404.58	259.08	344.74	381.27
	1565.04	1327.37	850.00	1131.04	1250.88
Live Capacity as on last day of MARCH 2005 (mhmt)	0.14	0.24	0.08	0.11	0.04
(maft)	1.13	1.94	0.65	0.89	0.32
Live Capacity as on last day of MARCH 2004 (mhmt)	0.11	0.13	0.12	0.02	0.00
(maft)	0.92	1.06	0.95	0.20	0.00
Energy content as on last day of MARCH 2005 (MU)	500.00	365.00	150.00	202.00	100.00
Energy content as on last day of MARCH 2004 (MU)	400.00	170.00	175.00	48.00	10.00
Maximum level (m)	467.07	405.17	256.61	350.17	386.04
(ft)	1532.39	1329.31	841.90	1148.84	1266.52
(date)	31.03.2005	31.03.2005	12.03.2005	31.03.2005	01.03.2005
Minimum level (m)	465.19	402.85	256.40	349.74	383.50
(ft)	1526.23	1321.67	841.20	1147.45	1258.20
(date)	16.03.2005	01.03.2005	31.03.2005	01.03.2005	31.03.2005

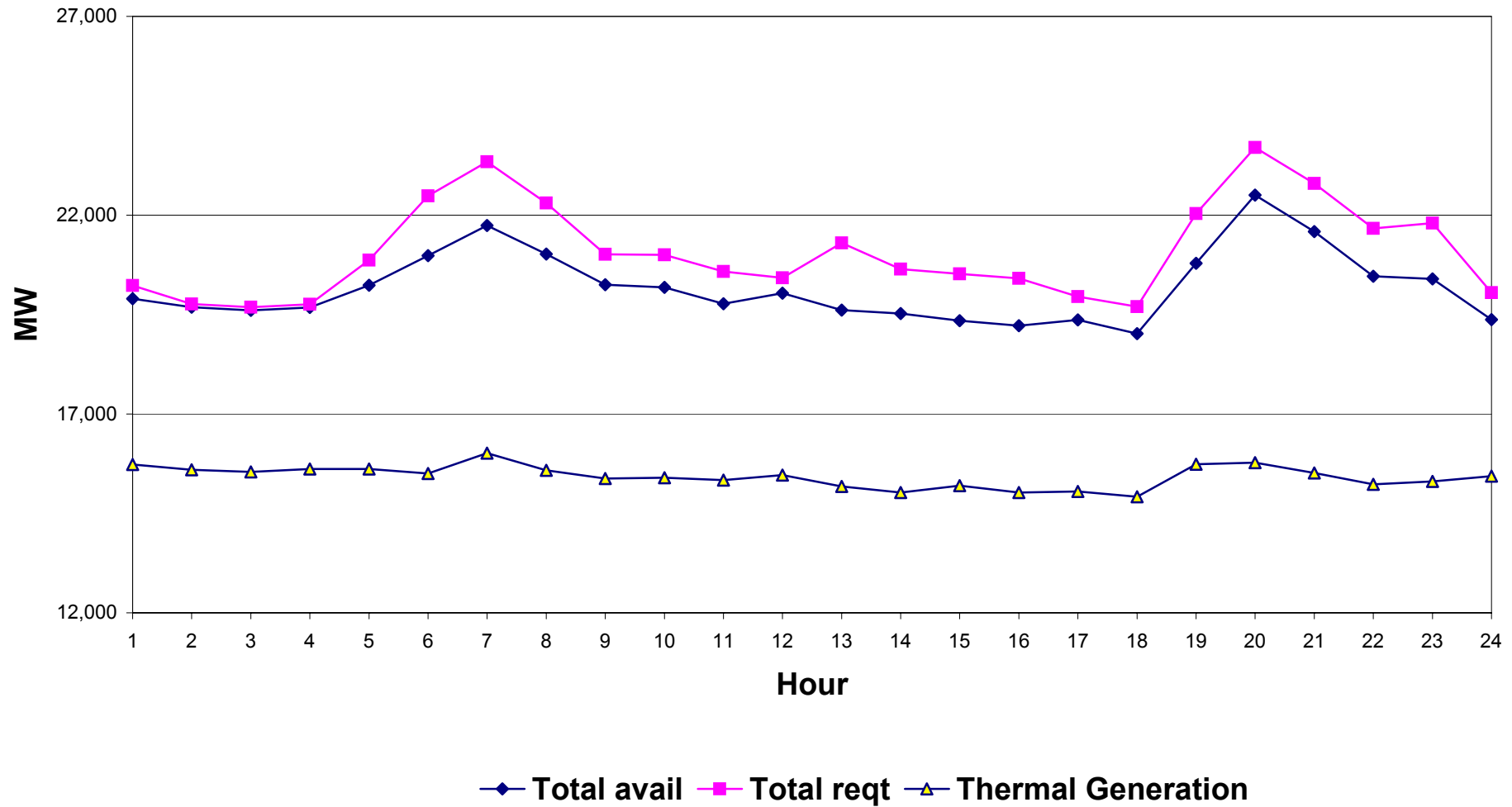
Energy content of Bhakra : Total Energy content at Bhakra, Ganguwal and Kotla power stations
Energy content of Rihand : Total Energy content at Rihand & Obra power stations
Energy content of RPS : Total Energy content of Rana Pratap Sagar and Jawahar Sagar Power Stations.
Energy Content of G. Sagar : Total Energy content at Gandhi Sagar, RP Sagar and Jawahar Sagar Power Stations.

Load Duration Curve For Northern Region For March 2005

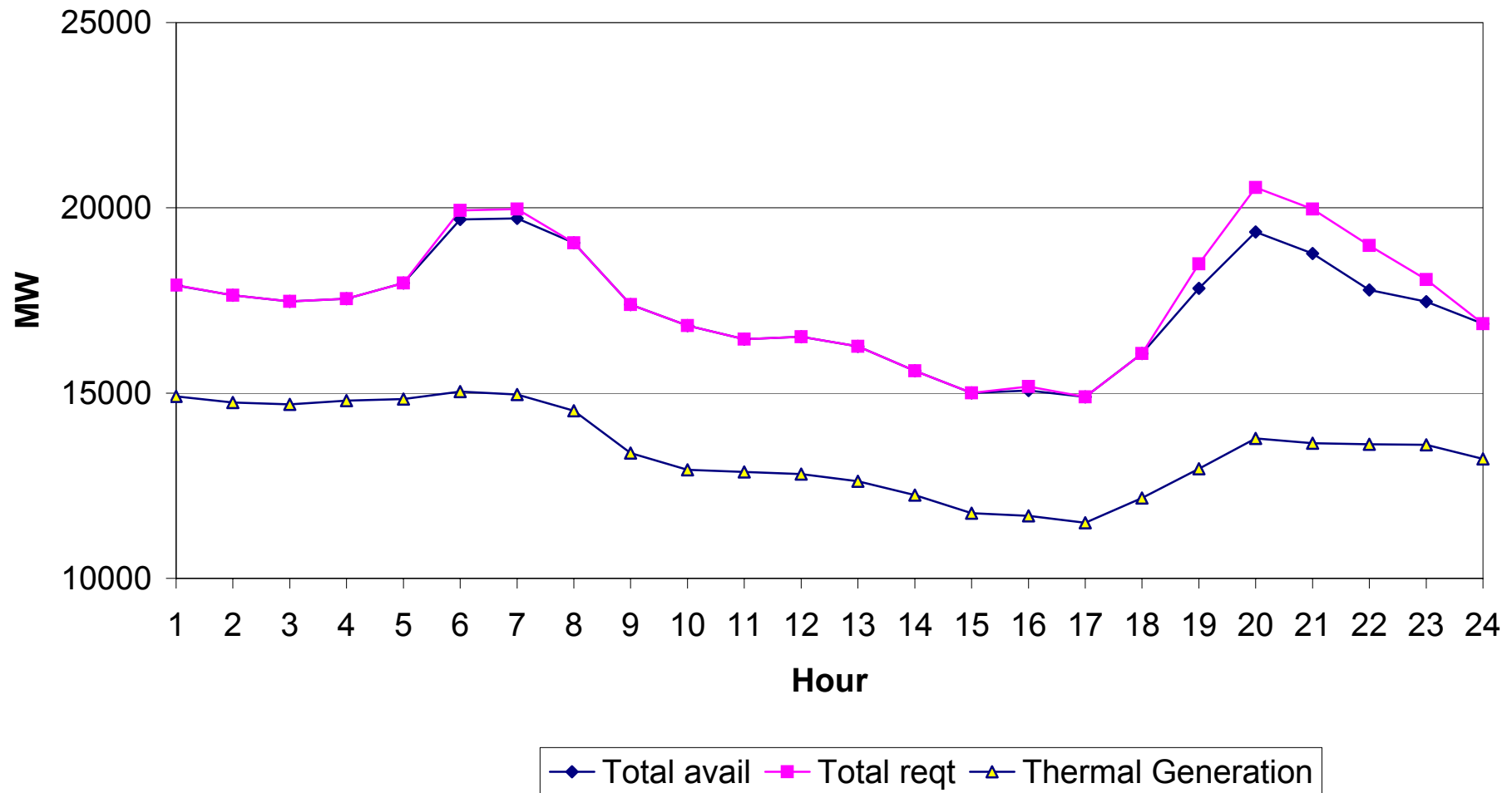


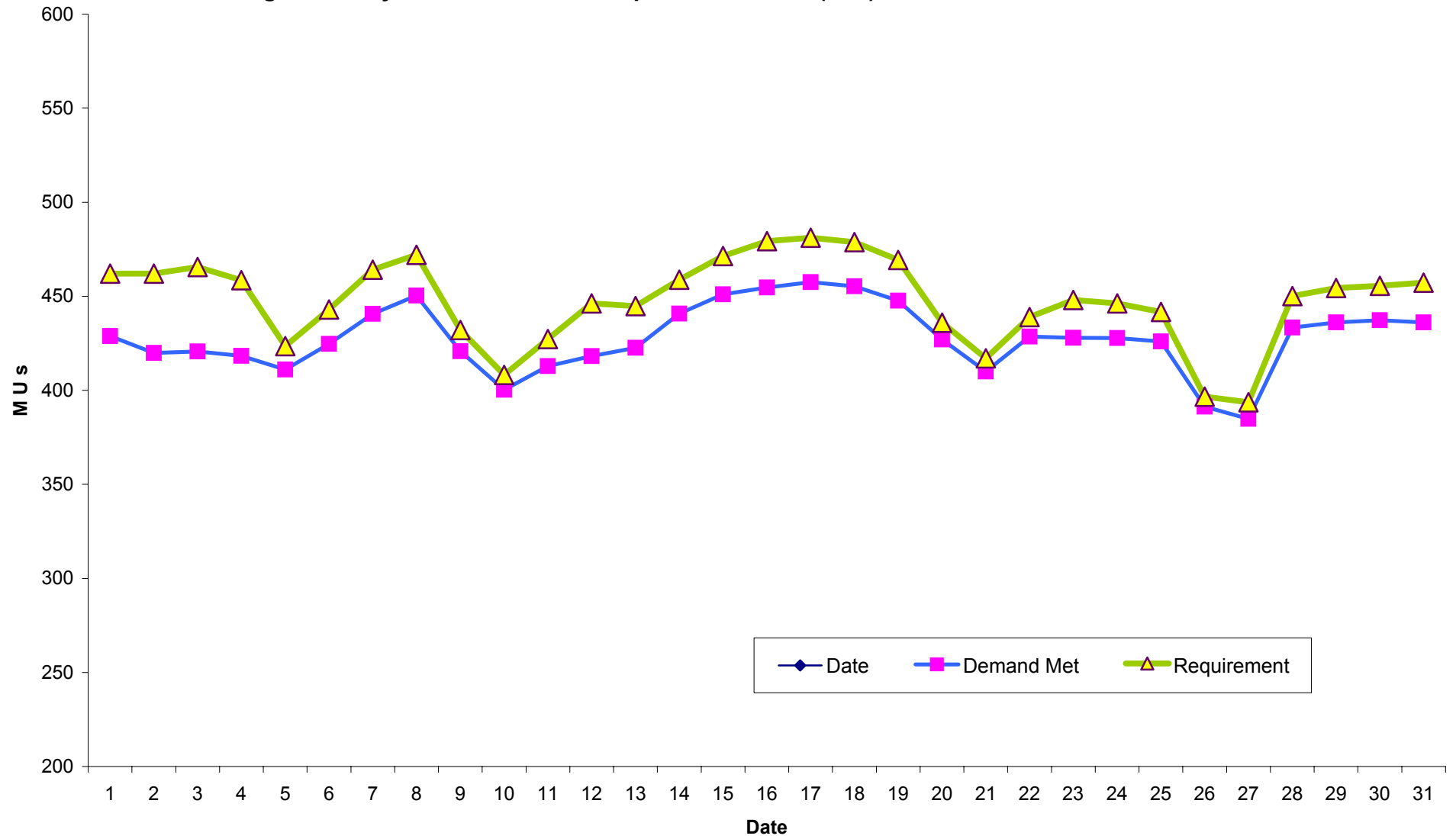
Frequency Duration Curve For Northern Region For March 2005

Load Curve Of Northern Region For Maximum Demand Met Day (19th March 2005)



Load Curve Of Northern Region For Minimum Demand Met Day (26th March 2005)



Regional Daily Demand Met and Requirement Curve (M.U) for March 2005

[illegible]