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NORTHERN REGION GRID REPORT FOR THE MONTH OF JULY 2005

A) Summary Report

1. Grid Overview during the Month

During the month of July 2005 the Power supply in the region was by and large satisfactory except for last few days of the month. This was mainly due to spurt in demand because of poor rains. However the power supply in the Region was also affected because of closing down of Nathpa-Jhakri units almost during the month and closing of Baspa units for three-four days due to high silt contents. Also, the own generation of H.P. and Uttaranchal was affected due to flood conditions. The average energy and peak MW shortages were 10.55 % and 12.42%. The average system frequency was 49.55 Hz and frequency remained in normal band i.e. between 49.00 & 50.50 for 85.34 % of time . The average frequency variation index during the month was 4.45 and standard deviation was 0.49 . The maximum regional availability during the month was 24226 MW . The average demand met was 21842 MW and 486.29 MU in terms of energy . The maximum requirement was 27661 MW and average requirement was 543.66 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

- (i) 400 KV D/C Dhaliganga-Bareilly along with associated bays at Dhauliganga s/s and Bareilly s/s of UPPCL was commissioned on 22.07.2005 at 17.08 hrs.
- (ii) Unit #4 at Dhauliganga HEP test synchronised for the 1st time on 26.07.2005 at 18.32 hrs.
- (iii) Unit #3 at Dhauliganga HEP test synchronised for the 1st time on 28.07.2005 at 09.44 hrs.

3. Monthly Frequency Profile :

Maximum frequency 50.89 Hz at 04.02 hrs 05.07.2005
 Minimum frequency 48.50 Hz at 21.07 hrs 25.07.2005

Average frequency 49.55 Hz

Frequency distribution in %

Hz	< 48.50	<49.00	49.00-50.50	> 50.50
% of time	0.00	13.34	85.34	1.32

Monthly Frequency Variation Index 4.45
 Maximum 10.17
 Minimum 0.81

4. Power Supply Position :

a. Average Energy/day (Net)

State / U.T.	Demand met MU/Day	Requirement MU/Day	Shortage MU/Day	Shortage %
Punjab	120.13	129.24	9.11	7.05
Haryana	67.11	74.93	7.82	10.44
Rajasthan	67.98	69.99	2.01	2.87
U.P.	114.76	143.65	28.89	20.11
Uttanchal	13.41	14.07	0.66	4.69
Delhi	67.06	67.69	0.63	0.93
H.P.	11.56	11.56	0.00	0.00
J & K *	18.70	26.95	8.25	30.61
Chandigarh	4.02	4.02	0.00	0.00
N.F.F./Rail	1.56	1.56	0.00	0.00
Total	486.29	543.66	57.37	10.55

b. Peak MW

State / U.T.	MAX. Demand met MW	MAX. Requirement MW	Shortage MW	Shortage %
	A	B	C	(C/B)*100
Punjab	6092	6897	805	11.67
Haryana	3693	4449	756	16.99
Rajasthan	3711	4098	387	9.44
U.P.	5938	7697	1759	22.85
Uttanchal	792	878	86	9.79
Delhi	3543	3624	81	2.24
H.P.	636	636	0	0.00
J & K *	1108	1300	192	14.77
Chandigarh	248	248	0	0.00
N.F.F./Rail	71	71	0	0.00
Region	24226	27661	3435	12.42
Diversity Factor = 1.11				

* 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	1740.69	1767.97	27.28
Haryana	1049.91	1207.33	157.42
Rajasthan	888.70	849.92	-38.78
U.P.	1748.42	1992.10	243.68
Uttranchal	79.35	104.52	25.17
Delhi	1251.57	1203.66	-47.91
H.P.	-80.11	-92.58	-12.47
J & K	564.13	477.48	-86.65
Chandigarh	144.64	129.40	-15.24
N.F.F./Rail	54.70	48.34	-6.36

6. **Inter Regional Exchanges****Energy
M.U.****Import**

a)	From WR over HVDC Vindhyachal B/B	250.41
b)	From WR over 220 kV Ujjain-Kota	71.13
c)	From ER over HVDC Sasaram B/B	245.76
d)	From ER over 220 kV Pusauli-Sahupuri	97.23

Export

e)	To WR over HVDC Vindhyachal B/B	0.00
f)	To WR (MP) over 220 kV Auraiya-Malanpur	15.97
g)	To WR(MP) over 220 kV Kota-Ujjain	0.04
h)	To ER over 220 kV/132kV lines	1.34
i)	To ER over HVDC Sasaram B/B	0.00
j)	To Nepal over 132 kV Tanakpur-Mahendernagar	4.91

B). Detailed Report**I. Details of Installed/Effective Capacity at the end of July 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+1x500 1500.00	2x500+1x500 1500.00
(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	8684.04	8669.04
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)		13844.04	13633.24
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+2x250	1360.00	4x110+2x210+2x250	1360.00
	Total Thermal		1540.00		1525.00
(d)	Magnum Diesel (IPP)	4x6.3	25.20	4x6.3	25.20
	Total Haryana		1627.60		1612.60
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)	Jhalkei 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)		32632.51		32106.35

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	6325.00	2344.04	0.00	0.00	8669.04	27.00%
NHPC	2284.20	0.00	0.00	0.00	0.00	2284.20	7.11%
SJVNL	1500.00	0.00	0.00	0.00	0.00	1500.00	4.67%
NPC	0.00	0.00	0.00	0.00	1180.00	1180.00	3.68%
BBMB	2866.30	0.00	0.00	0.00	0.00	2866.30	8.93%
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	3.10%
HARYANA	62.40	1525.00	25.20	0.00	0.00	1612.60	5.02%
HIMACHAL	712.20	0.00	0.00	0.00	0.00	712.20	2.22%
J&K	311.69	0.00	182.18	0.00	0.00	493.87	1.54%
PUNJAB	1145.10	2130.00	0.00	0.00	0.00	3275.10	10.20%
RAJASTHAN	434.85	2295.00	110.50	267.74	0.00	3108.09	9.68%
UP	501.00	3909.00	0.00	0.00	0.00	4410.00	13.74%
UTTRANCHAL	999.05	0.00	0.00	0.00	0.00	999.05	3.11%
Total	10816.79	16566.50	3275.32	267.74	1180.00	32106.35	100.00%
% of TOTAL	33.69%	51.60%	10.20%	0.83%	3.68%	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 31.07.2005

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	13.02	45.24	86.81	18.92	0.17	0.00	0.00
02	0.00	0.00	11.18	48.49	88.82	15.42	0.00	0.00	0.00
03	0.00	0.00	0.59	12.85	98.19	50.75	1.22	0.00	0.00
04	0.00	0.00	0.14	4.86	97.92	74.11	1.94	0.00	0.00
05	0.00	0.00	0.52	7.92	78.75	67.53	20.73	0.00	0.00
06	0.00	0.00	3.86	16.55	95.76	54.35	0.39	0.00	0.00
07	0.00	0.00	3.65	23.37	91.51	47.10	4.83	0.00	0.00
08	0.00	0.00	17.56	58.24	82.44	14.06	0.00	0.00	0.00
09	0.00	0.00	24.38	68.37	75.63	7.19	0.00	0.00	0.00
10	0.00	0.00	29.92	83.65	70.08	1.98	0.00	0.00	0.00
11	0.00	0.00	11.75	61.12	88.25	8.31	0.00	0.00	0.00
12	0.00	0.00	4.97	26.22	91.60	47.74	3.44	0.00	0.00
13	0.00	0.00	2.53	28.43	97.08	27.63	0.38	0.00	0.00
14	0.00	0.00	0.24	4.20	98.92	71.81	0.83	0.00	0.00
15	0.00	0.00	14.31	74.38	85.69	0.00	0.00	0.00	0.00
16	0.00	0.00	0.52	5.49	98.75	55.73	0.73	0.00	0.00
17	0.00	0.00	0.56	6.43	94.96	72.91	4.48	0.00	0.00
18	0.00	0.00	4.96	27.80	95.04	33.70	0.00	0.00	0.00
19	0.00	0.00	14.31	74.38	85.69	0.00	0.00	0.00	0.00
20	0.00	0.00	8.26	57.71	91.74	14.20	0.00	0.00	0.00
21	0.00	0.00	6.91	54.71	93.05	17.37	0.03	0.00	0.00
22	0.00	0.00	10.17	74.80	89.83	1.25	0.00	0.00	0.00
23	0.00	0.00	12.74	78.23	87.26	0.69	0.00	0.00	0.00
24	0.00	0.00	6.91	71.24	93.09	1.88	0.00	0.00	0.00
25	0.00	0.03	27.28	92.02	72.72	0.00	0.00	0.00	0.00
26	0.00	0.00	29.34	89.76	70.66	0.00	0.00	0.00	0.00
27	0.00	0.00	20.60	89.89	79.40	0.28	0.00	0.00	0.00
28	0.00	0.00	37.81	89.56	62.19	0.00	0.00	0.00	0.00
29	0.00	0.00	32.87	88.96	67.13	0.00	0.00	0.00	0.00
30	0.00	0.00	45.87	99.10	54.13	0.00	0.00	0.00	0.00
31	0.00	0.00	27.54	91.25	72.46	0.14	0.00	0.00	0.00
Max	0.00	0.03	45.87	99.10	98.92	74.11	20.73	0.00	0.00
Min	0.00	0.00	0.14	4.20	54.13	0.00	0.00	0.00	0.00
Average	0.00	0.00	13.34	51.67	85.34	24.14	1.32	0.00	0.00

Frequency (Hz)				Average	Frequency
Maximum		Minimum		Frequency	Variation
Freq	Time	Freq	Time	Hz	Index
50.51	1:55	48.56	11:02	49.57	3.92
50.47	14.07	48.55	23.10	49.52	4.02
50.55	18.00	48.90	01.02	49.94	1.22
50.59	18.07	48.92	20.00	50.12	0.94
50.89	04.02	48.72	20.35	50.14	1.78
50.55	01.12	48.55	01.29	49.92	1.82
50.72	04.06	48.58	20.35	49.88	2.24
50.35	12.34	48.54	19.45	49.44	5.04
50.47	08.03	48.51	20.02	49.32	6.41
50.27	18.05	48.52	10.45	49.18	7.95
50.33	07.55	48.59	19.38	49.44	4.43
50.73	10.37	48.81	0:43	49.74	2.06
50.73	10.37	48.81	0:43	49.74	2.06
50.56	17.07	48.87	21.20	50.09	0.83
49.97	0756	48.58	20.19	49.31	5.49
50.65	18.02	48.92	21.04	50.01	0.81
50.67	17.05	48.76	21.06	50.09	1.01
50.50	04.02	48.55	21.06	49.77	2.10
49.97	0756	48.58	20.19	49.31	5.49
50.50	08.41	48.55	19.53	49.48	4.10
50.54	18.01	48.56	00.04	49.52	4.06
50.16	23.49	48.54	20.07	49.33	5.28
50.27	18.04	48.56	18.45	49.30	5.67
50.25	14.13	48.57	20.12	49.37	4.70
49.84	03.31	48.50	21.07	49.14	8.04
49.95	05.08	48.55	09.08	49.15	8.02
50.06	13.06	48.54	22.23	49.20	6.93
49.96	20.16	48.56	02.36	49.12	8.34
49.92	16.19	48.54	19.39	49.14	8.16
49.59	18.47	48.53	12.15	49.02	10.17
50.02	06.10	48.54	19.33	49.14	8.10
50.89		48.92		50.14	10.17
49.59		48.50		49.02	0.81
50.34		48.62		49.55	4.45

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	413	17.04	393	11.06	417	18.16	403	00.11	221	02.02	211	11.05	409	13.02	393	11.05
02	413	08.02	394	23.08	416	08.02	398	23.07	223	07.59	213	10.50	408	14.05	393	18.44
03	413	07.59	398	04.53	416	7.59	399	00.06	223	08.08	215	00.05	405	06.08	396	04.51
04	414	02.57	392	19.56	412	07.56	397	19.58	223	02.36	212	19.56	406	03.27	395	12.21
05	417	02.47	395	20.35	416	06.26	396	12.34	223	02.39	215	19.41	407	02.06	394	08.41
06	416	21.50	390	01.24	421	02.33	373	01.28	224	23.45	207	01.28	412	02.33	386	01.24
07	412	02.43	404	00.31	409	00.00	399	00.46	223	02.34	220	00.02	417	02.43	410	00.06
08	413	20.36	389	10.34	414	20.35	389	10.34	223	02.34	212	10.47	418	03.45	398	05.46
09	412	17.03	393	09.39	412	19.31	394	00.15	222	06.04	213	14.43	411	17.06	393	09.38
10	411	17.04	395	12.07	412	08.15	392	12.52	222	08.39	215	04.46	412	17.03	396	23.59
11	415	19.03	395	0.31	413	06.03	396	00.00	222	07.31	214	09.34	410	07.34	391	000.33
12	419	03.58	396	14.58	417	04.07	396	11.31	225	03.51	213	14.55	418	04.06	398	14.59
13	411	21.15	391	11.12	413	06.08	394	13.38	223	03.53	214	11.23	410	03.59	394	11.24
14	412	03.37	390	11.41	414	18.2	395	11.17	222	23.52	215	11.13	407	17.04	393	11.41
15	408	17.36	393	11.05	408	11.22	392	13.28	221	00.03	213	14.43	408	17.04	392	00.33
16	415	18.00	392	11.30	416	18.00	396	00.31	223	02.34	216	11.29	407	17.04	391	11.30
17	416	17.06	394	11.08	416	18.11	394	21.21	224	06.02	190	16.11	410	17.06	390	11.12
18	415	18.15	391	13.55	415	18.04	393	13.46	223	03.59	213	13.52	407	20.38	390	09.36
19	408	17.36	393	11.05	408	11.22	392	13.28	221	00.03	213	14.43	408	17.04	392	00.33
20	411	19.07	386	12.29	412	17.00	393	23.19	220	06.01	209	15.09	405	20.40	387	02.00
21	413	07.57	392	12.21	416	17.08	391	04.50	222	07.33	211	11.53	409	07.59	389	12.21
22	415	18.56	396	11.03	412	15.37	396	00.20	222	23.50	211	11.50	407	18.31	393	11.34
23	412	18.04	391	11.37	415	18.34	398	10.09	221	04.28	212	11.35	408	08.04	390	15.20
24	410	19.02	392	12.19	415	19.04	392	13.20	221	04.01	214	11.13	405	06.03	390	15.03
25	412	06.03	385	16.49	415	10.34	394	23.02	222	06.02	208	16.41	405	06.03	389	12.03
26	409	19.02	389	10.24	413	12.56	394	01.14	221	07.43	212	09.49	407	13.01	389	14.13
27	410	21.03	389	11.36	415	13.06	395	00.08	220	01.00	210	15.20	402	18.06	385	11.22
28	410	20.16	384	12.01	411	17.05	395	5.40	221	06.01	212	12.01	407	17.05	386	12.04
29	413	20.48	389	23.12	414	20.26	386	05.47	221	20.44	210	14.41	406	18.49	390	22.35
30	415	19.50	390	10.50	417	19.50	396	00.11	222	05.57	212	12.14	407	18.11	390	00.11
31	418	20.22	398	00.00	419	19.48	396	22.06	223	04.11	217	09.54	407	18.03	392	00.13
Max	419		404		421		403		225		220		418		410	
Min	408		384		408		373		220		190		402		385	

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	22282	24662	2380	22567	24172	1605	516.40
02	22460	25115	2655	21765	23095	1330	493.30
03	22732	24382	1650	22098	23403	1305	495.14
04	22889	24339	1450	21156	21456	300	494.11
05	21949	24052	2103	21052	21352	300	477.94
06	20123	22392	2269	17636	19271	1635	438.44
07	19607	23141	3534	17558	17858	300	427.36
08	20937	23944	3007	18994	19544	550	451.18
09	21583	25237	3654	20972	22724	1752	487.44
10	21968	25363	3395	21621	24164	2543	488.90
11	21566	24379	2813	21416	24360	2944	484.80
12	21562	24516	2954	19223	19353	130	461.70
13	22365	24699	2334	20541	20699	158	479.56
14	22970	24450	1480	21405	21585	180	490.98
15	22467	26092	3625	22087	23160	1073	507.40
16	23535	25576	2041	22253	22383	130	531.69
17	22756	24579	1823	22633	22893	260	535.60
18	22361	24514	2153	21704	21834	130	525.30
19	22467	26092	3625	22087	23160	1073	501.30
20	23538	26537	2999	23121	23945	824	526.25
21	23958	26214	2256	23723	24853	1130	541.72
22	22826	26120	3294	23446	24496	1050	527.00
23	22965	26424	3459	22355	24343	1988	515.95
24	23195	26281	3086	22731	24885	2154	531.20
25	23305	26642	3337	23004	26252	3248	520.56
26	23922	26972	3050	23126	26900	3774	525.10
27	23411	26645	3234	23893	27127	3234	536.85
28	23540	26629	3089	23348	26319	2971	531.50
29	22689	25369	2680	22747	25669	2922	518.21
30	22960	26007	3047	23202	25922	2720	525.33
31	22197	25466	3269	23160	26109	2949	516.10
Maximum	23958	26972	3654	23893	27127	3774	541.72
Minimum	19607	22392	1450	17558	17858	130	427.36
Average	22487	25253	2766	21827	23332	1505	503.36

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

Peak : 20.00 hrs. Offpeak : 03.00 hrs.

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	4932	5542	2850	3449	2852	2816	3446	2750	4841	5128
02	5071	5083	3050	3207	2716	2795	3290	2828	4634	4947
03	4922	5090	3312	3567	2910	2546	3084	2873	4988	5428
04	5037	4958	3510	3178	2867	2568	3193	2655	4974	5190
05	4720	4838	3111	3255	2686	2617	3032	2616	4840	5090
06	4113	4247	2520	2295	2728	2336	2884	2088	4537	4344
07	3773	3880	2384	1844	2771	2346	2876	1931	4569	4971
08	4052	4616	2732	2417	2794	2592	3085	2160	4766	5704
09	4535	4410	2716	2931	2933	2729	3114	2693	4739	5504
10	4512	4861	2889	3129	2955	3049	3192	2869	4835	5218
11	4715	4977	2832	3037	3082	2747	3025	2770	4456	5032
12	4503	4679	2543	2381	3194	2957	3145	2041	4721	4798
13	4722	4643	3037	2908	3085	3105	3073	2242	5155	5021
14	5129	5367	3493	3226	3029	2801	3129	2230	4880	5283
15	5137	5367	3008	3226	2902	2801	3266	2230	4912	5283
16	5256	5633	3478	3318	3025	2617	3128	2401	4809	5726
17	5103	5767	3455	3405	2775	2510	3096	2462	4773	5589
18	5101	5505	2917	3382	3060	2663	3234	2420	4638	5194
19	4971	5532	2624	3303	3029	2879	3387	2437	4716	5164
20	5406	5970	2817	3183	3169	3118	3374	2677	4958	5462
21	5462	6015	3236	3516	3261	3251	3517	2721	5232	5670
22	5252	5743	2818	3459	3160	3387	3463	2780	4829	5510
23	5347	5579	2885	2802	3165	3253	3404	2746	4905	5200
24	5234	5406	3234	2977	3308	3326	3359	2772	5051	5322
25	5416	5851	2947	3161	3209	3135	3388	2798	4848	5441
26	5387	5743	3341	2734	3482	3297	3379	2905	4982	5817
27	5291	5893	3244	3523	3368	3360	3419	2728	4922	5657
28	5171	5717	3384	3114	3314	3184	3383	2849	5425	5338
29	4826	5564	3143	3073	3186	3190	3433	2936	4974	5219
30	5170	5499	2877	3129	3256	3243	3337	2870	4915	5394
31	5254	5953	2710	3113	3095	2992	3261	2831	5146	5652
Maximum	5462	6015	3510	3567	3482	3387	3517	2936	5425	5817
Minimum	3773	3880	2384	1844	2686	2336	2876	1931	4456	4344
Average	4952	5288	3003	3072	3044	2910	3239	2591	4871	5300

Remarks: Peak - 2000 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
01	684	591	195	154	465	354	605	513
02	762	602	188	164	479	419	928	596
03	741	494	152	157	462	434	872	656
04	680	490	189	126	538	425	824	670
05	574	472	162	128	440	375	921	418
06	570	570	162	104	404	277	862	544
07	634	429	183	110	542	415	852	509
08	672	506	195	115	522	439	693	419
09	741	598	203	147	498	460	938	678
10	681	574	192	168	500	418	890	671
11	628	508	183	159	543	416	903	611
12	700	393	190	125	556	459	850	600
13	647	468	203	129	525	459	940	533
14	713	504	193	138	566	426	913	642
15	330	504	198	138	495	426	376	642
16	750	501	191	140	546	397	993	646
17	665	579	169	141	522	424	920	662
18	726	520	209	138	512	442	889	610
19	750	527	194	152	562	434	944	622
20	744	560	208	147	543	434	1046	582
21	618	446	192	149	486	422	951	653
22	657	515	219	150	576	455	956	725
23	686	550	201	157	470	419	860	651
24	701	523	188	157	482	442	847	643
25	701	523	222	162	511	393	902	649
26	565	567	214	162	552	396	934	633
27	584	528	218	164	538	446	893	666
28	636	583	221	162	588	440	930	674
29	507	582	211	162	580	415	892	647
30	746	508	216	160	577	463	912	614
31	633	575	194	126	460	478	943	679
Maximum	762	602	222	168	588	478	1046	725
Minimum	330	393	152	104	404	277	376	418
Average	659	525	195	145	517	423	877	615

Remarks: Peak - 2000 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	120.211	70.037	68.738	71.499	111.050	13.941	4.268	11.105	17.146	1.564	489.558
02	115.111	70.248	64.881	69.614	116.707	16.059	4.102	11.307	17.042	1.621	486.693
03	115.413	72.390	60.609	64.866	119.668	12.923	3.278	11.034	20.056	1.435	481.672
04	120.487	72.156	62.470	66.748	117.274	13.173	3.830	11.731	18.908	1.625	488.402
05	117.653	65.839	61.763	65.417	110.538	12.360	3.169	10.550	17.264	1.608	466.162
06	104.561	59.259	58.461	59.303	105.145	13.240	3.378	9.345	17.437	1.550	431.680
07	93.839	48.837	60.140	57.140	105.830	11.539	3.540	10.970	16.428	1.668	409.931
08	96.524	56.008	62.471	62.053	116.184	13.042	3.913	10.845	17.155	1.674	439.868
09	108.496	63.242	64.501	67.796	116.529	15.563	4.147	11.891	19.775	1.667	473.607
10	113.378	63.675	67.929	68.130	110.859	11.563	4.001	17.021	20.213	1.536	478.305
11	116.453	61.817	68.497	65.903	106.380	8.505	3.940	11.260	18.681	1.553	462.989
12	106.726	59.862	68.740	59.422	103.948	12.117	3.840	11.750	16.873	1.496	444.774
13	110.576	65.160	68.880	62.132	112.056	13.030	3.903	11.455	18.560	1.621	467.373
14	124.593	68.177	62.939	62.445	115.871	15.734	4.002	12.242	14.384	1.579	481.967
15	123.230	65.539	61.859	64.013	109.567	16.564	4.002	12.990	14.384	1.550	473.699
16	129.173	73.000	63.220	63.517	115.757	13.702	3.800	10.814	20.291	1.556	494.830
17	129.453	71.105	59.654	61.572	113.588	13.673	3.467	10.833	20.136	1.588	485.070
18	126.196	69.715	62.730	66.900	113.742	13.334	4.129	11.403	19.255	1.522	488.927
19	122.612	63.970	68.673	68.157	115.891	14.376	4.127	11.331	19.078	1.495	489.711
20	133.208	68.976	68.528	70.260	118.582	14.237	4.223	11.166	18.942	1.682	509.805
21	132.226	72.385	78.190	72.756	124.262	13.067	4.218	11.513	19.782	1.643	530.042
22	128.048	70.074	78.153	72.242	116.621	13.921	4.410	11.847	20.491	1.496	517.302
23	127.686	66.307	75.737	69.803	115.808	13.696	4.249	11.212	19.329	1.408	505.235
24	128.645	69.889	77.834	68.080	119.289	13.685	3.856	11.212	19.642	1.432	513.564
25	129.534	63.957	74.406	72.136	117.462	13.685	4.528	11.317	20.162	1.531	508.719
26	127.500	68.400	77.500	70.104	120.000	13.500	4.600	11.500	19.200	1.506	513.810
27	127.203	73.368	79.725	72.158	119.276	13.309	4.458	11.352	19.950	1.538	522.338
28	127.115	73.550	72.704	71.751	120.408	13.460	4.489	12.037	20.416	1.562	517.492
29	122.402	71.696	71.091	71.716	117.024	12.131	4.522	11.166	18.984	1.610	502.343
30	126.226	69.385	73.188	72.073	116.979	13.231	4.398	12.149	19.908	1.502	509.039
31	131.707	68.189	67.736	69.038	120.300	14.442	3.784	11.967	20.287	1.525	508.975
Maximum	133.208	73.550	79.725	72.756	124.262	16.564	4.600	17.021	20.491	1.682	530.042
Minimum	93.839	48.837	58.461	57.140	103.948	8.505	3.169	9.345	14.384	1.408	409.931
Average	120.130	67.110	67.980	67.056	114.760	13.410	4.018	11.559	18.700	1.559	486.283
Month Total	3736.188	2076.214	2111.950	2078.744	3562.595	416.802	124.571	358.314	580.160	48.343	15093.881

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-Jul-2005	58897	57362	35882	42222	30429	21085	42542	45611	52126	63218	156	70
2-Jul-2005	57592	56080	34725	37765	29071	20342	42423	43285	50460	65035	883	1682
3-Jul-2005	56147	56288	35627	39772	29071	17579	40591	40314	51737	68572	252	-902
4-Jul-2005	56658	61182	35190	39345	30088	19041	40543	40837	56412	65299	830	-494
5-Jul-2005	56123	61562	32239	35279	30709	19378	36828	38271	57717	60739	1446	3870
6-Jul-2005	48718	48950	29010	31443	26923	14319	28755	33216	53739	56322	5697	9235
7-Jul-2005	45840	42704	26117	27559	25072	22917	30302	29752	55132	63754	5953	9575
8-Jul-2005	46249	41461	29263	31656	26157	24655	31821	35385	54178	65982	6048	7276
9-Jul-2005	48864	50674	31326	33118	26991	27789	33855	37040	55883	69054	5494	1890
10-Jul-2005	56332	55736	33606	34662	27619	28805	33498	38328	55600	65553	1591	1174
11-Jul-2005	57627	60128	32954	34684	25724	28183	40912	35763	55105	61146	1374	1224
12-Jul-2005	52546	50688	30041	32184	24536	28330	39378	32478	51795	58158	4710	5594
13-Jul-2005	51316	49686	32435	39765	27312	27898	41373	33100	56002	62951	1119	2095
14-Jul-2005	55336	58344	33556	43959	27403	23937	40854	35939	57488	59983	1719	3645
15-Jul-2005	56987	60864	34519	42473	25939	21374	40421	36534	58876	62457	1390	6093
16-Jul-2005	58089	63842	34775	41437	26921	19268	41778	39422	60270	66498	1711	7172
17-Jul-2005	56681	65785	34604	41039	24815	20109	40560	37584	57114	61454	3179	2552
18-Jul-2005	61087	65186	35428	40643	26109	23856	43025	39212	61215	66679	2071	4251
19-Jul-2005	56561	59185	32436	42083	27524	28103	46179	38246	63274	68770	2042	3262
20-Jul-2005	61165	63892	35614	44906	31363	31345	46124	40729	64458	72757	2518	4320
21-Jul-2005	63259	62170	37209	42393	34099	36663	46374	43482	63260	71533	2439	327
22-Jul-2005	58357	57767	34545	40049	30916	36161	45030	42860	58569	64121	1783	1062
23-Jul-2005	59200	56985	34776	39572	29152	37095	43476	40154	53466	60419	1344	1105
24-Jul-2005	56759	56872	35739	40716	31453	42298	42113	38609	58597	63910	1607	1483
25-Jul-2005	57665	58222	35656	38925	31232	36914	42799	43669	54717	65190	1539	1077
26-Jul-2005	56389	56657	34723	41314	30262	35030	41650	41761	56939	64122	1566	1331
27-Jul-2005	59002	59711	35488	40757	30278	33143	44245	38939	56785	66362	2019	4464
28-Jul-2005	57229	57998	34474	40569	30334	32923	42821	40328	55612	67094	3604	4446
29-Jul-2005	54652	54670	34354	40003	29934	31206	37023	41419	55506	63215	5010	6742
30-Jul-2005	58836	56707	36457	41635	30710	32220	42297	42144	53540	60535	5144	5324
31-Jul-2005	60526	60609	37137	45400	30558	27957	41977	39252	52849	61220	3111	3579
Total MU	1740.689	1767.967	1049.905	1207.327	888.704	849.923	1251.567	1203.663	1748.421	1992.102	79.349	104.524
Max. MWH	63259	65785	37209	45400	34099	42298	46374	45611	64458	72757	6048	9575
Min MWH	45840	41461	26117	27559	24536	14319	28755	29752	50460	56322	156	-902
Avg. MWH	56151	57031	33868	38946	28668	27417	40373	38828	56401	64261	2560	3372

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-Jul-2005	-3113	-4114	18420	12934	4742	4432	144	164	1234	1400
2-Jul-2005	-3236	-4671	18252	13835	4562	4314	144	145	1769	1476
3-Jul-2005	-3424	-4523	18226	16017	4633	3487	144	0	1949	1435
4-Jul-2005	-3427	-4035	18682	15110	4698	4043	144	77	1890	1548
5-Jul-2005	-1088	-1705	18524	13200	4769	3370	144	60	1085	1548
6-Jul-2005	4013	5542	18102	13929	4628	3553	144	59	837	1491
7-Jul-2005	2376	5174	15492	13522	4590	3688	144	61	1307	1607
8-Jul-2005	4023	4275	15742	13872	4470	4060	144	62	1148	1612
9-Jul-2005	5608	3678	18353	16295	4572	4392	144	64	1707	1603
10-Jul-2005	3034	1351	18566	16563	4757	4167	144	65	1880	1471
11-Jul-2005	-3163	-4784	17770	15184	4652	4058	144	68	1961	1485
12-Jul-2005	-5820	-4277	17583	13309	4498	4008	144	63	1875	1433
13-Jul-2005	-3985	-4501	16784	15165	4590	4230	144	79	1406	1542
14-Jul-2005	-3158	-4442	19073	15748	4740	4251	144	87	1620	1492
15-Jul-2005	-2988	-3808	18962	15563	4742	4181	144	84	1285	1466
16-Jul-2005	-3491	-4387	19230	16155	4749	4017	144	82	1130	1474
17-Jul-2005	-6148	-5488	19019	16378	4270	3644	144	82	1425	1506
18-Jul-2005	-4703	-5039	19303	16003	4864	4263	144	83	1018	1439
19-Jul-2005	-4702	-5455	19122	16136	5006	4280	144	82	1149	1413
20-Jul-2005	-4851	-5508	18485	15987	4974	4327	144	84	1825	1598
21-Jul-2005	-4355	-4265	18990	16292	5089	4335	144	84	1866	1559
22-Jul-2005	-4891	-4703	18770	17138	4619	4557	144	83	1732	1413
23-Jul-2005	-4994	-5506	18504	15717	4472	4357	144	78	1887	1330
24-Jul-2005	-4630	-5417	18471	16240	4442	3974	144	64	1965	1368
25-Jul-2005	-4960	-5874	18347	16222	4712	4656	144	68	1714	1463
26-Jul-2005	-3851	-4688	17852	15349	4555	4625	144	65	1670	1441
27-Jul-2005	-4756	-4916	18593	16157	4651	4539	144	65	1961	1473
28-Jul-2005	-3732	-3587	18345	16280	4587	4582	144	65	1976	1497
29-Jul-2005	495	587	17536	14778	4557	4636	144	65	1986	1545
30-Jul-2005	-2944	-3581	17552	16127	4686	4508	144	77	1988	1425
31-Jul-2005	-3150	-3908	17475	16271	4760	3870	144	84	1991	1441
Total MU	-80.011	-92.575	564.125	477.476	144.636	129.404	4.464	2.349	50.236	45.994
Max. MWH	5608	5542	19303	17138	5089	4656	144	164	1991	1612
Min MWH	-6148	-5874	15492	12934	4270	3370	144	0	837	1330
Avg. MWH	-2581	-2986	18198	15402	4666	4174	144	76	1621	1484

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-Jul-2005	31673	31762	16614	16775	18134	18906	4440	4527	9192	9365	15493	15507
2-Jul-2005	27668	28403	16415	16557	18552	18924	4629	4699	9192	9333	16061	16089
3-Jul-2005	30989	31517	19611	19826	17507	17582	4556	4635	9134	9237	15431	15304
4-Jul-2005	36662	37246	21690	21586	16223	16094	7622	7578	8972	9025	15080	14759
5-Jul-2005	42176	42306	21189	20619	14686	14905	5884	5771	8706	8797	13649	13529
6-Jul-2005	33775	33910	21499	21285	13361	12908	9042	9096	9011	9106	11236	11178
7-Jul-2005	32279	32848	21603	21802	16462	16792	8836	8972	8588	8908	14219	13981
8-Jul-2005	33216	33696	21960	22195	18552	19064	9120	9293	9192	9366	14483	14412
9-Jul-2005	33216	33667	21863	22305	18552	18884	9120	9221	9192	9366	15556	15734
10-Jul-2005	33216	33728	21960	22502	13968	14303	9162	9260	9192	9363	17053	16661
11-Jul-2005	32914	33260	22028	22481	17811	18228	9192	9374	9093	9159	16699	16557
12-Jul-2005	30178	31019	21779	21728	16880	17110	9050	9206	4290	4404	14267	13924
13-Jul-2005	32260	32772	22080	22261	18552	18954	9192	9370	8247	8404	14849	14912
14-Jul-2005	33056	33396	22080	22026	16513	16583	9159	9250	9127	9213	14084	13382
15-Jul-2005	33216	33657	22080	22256	16566	17097	8505	8353	9058	9330	13561	12957
16-Jul-2005	33216	33652	22080	22201	15679	16080	9174	9301	9147	9289	13974	13481
17-Jul-2005	33216	33637	22080	21802	15417	15450	9117	9181	9031	9154	13084	12842
18-Jul-2005	33216	33771	22030	22171	16012	16846	9192	9376	9192	9366	13851	13784
19-Jul-2005	33153	33751	22080	22157	18552	19016	9192	9371	9192	9365	14276	14397
20-Jul-2005	32376	32904	22080	22021	18552	18917	9192	9369	9192	9365	15066	14982
21-Jul-2005	33216	33862	19468	19451	18552	18857	9192	9379	8923	9091	15176	14799
22-Jul-2005	30371	30923	16020	16193	18552	18943	9192	9373	4493	4577	15086	15244
23-Jul-2005	22109	22431	14745	14797	18552	18994	9192	9377	4560	4645	16559	16459
24-Jul-2005	31232	31829	15299	15362	18552	18922	9192	9375	4560	4652	14858	15121
25-Jul-2005	33216	33769	10614	11101	18552	18901	9192	9370	4560	4645	13846	13731
26-Jul-2005	33300	33913	10853	11276	18552	18926	9192	9371	4561	4645	13929	13914
27-Jul-2005	33334	34024	10988	11357	18552	18909	9192	9371	4584	4671	16345	16177
28-Jul-2005	33372	33955	11040	11356	18552	18942	9192	9373	4584	4670	16410	16313
29-Jul-2005	33315	33934	11040	11366	18552	18922	9192	9371	4584	4671	16954	16832
30-Jul-2005	33377	34044	11040	11348	18552	18926	9100	9277	4584	4671	17361	17001
31-Jul-2005	30433	31056	11040	11327	18552	18935	9136	9295	4584	4670	16719	16786
Total MU	1008.946	1024.642	566.948	571.490	540.603	550.820	264.340	268.135	230.517	234.523	465.215	460.749
Max. MWH	42176	42306	22080	22502	18552	19064	9192	9379	9192	9366	17361	17001
Min MWH	22109	22431	10614	11101	13361	12908	4440	4527	4290	4404	11236	11178
Avg. MWH	32547	33053	18289	18435	17439	17768	8527	8650	7436	7565	15007	14863

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-Jul-2005	8240	8274	12869	12619	7512	7393	9360	8686	3441	3474	15491	15603
2-Jul-2005	8448	8326	13067	12860	7536	7463	8856	8777	3186	3215	15373	15489
3-Jul-2005	5634	5600	11937	11392	7488	7517	8832	8775	2591	2603	15497	15651
4-Jul-2005	5558	5376	12348	11898	7560	7641	8856	8776	2622	2644	15848	15989
5-Jul-2005	5246	5430	11648	11354	7560	7560	8880	8704	3070	3093	15840	15974
6-Jul-2005	5719	5710	12532	12244	7728	7523	8880	8620	3911	3943	15788	15883
7-Jul-2005	7199	7200	12002	11741	7632	7344	8880	8560	4296	4335	7239	7005
8-Jul-2005	7777	7962	10131	10018	7391	7064	8880	8534	4296	4334	9048	8924
9-Jul-2005	8122	8250	10213	10067	7248	7002	8880	8527	4296	4336	15116	15294
10-Jul-2005	8661	8625	10700	10445	7128	7092	8760	8509	4296	4336	15719	15862
11-Jul-2005	8694	8212	10346	10207	7080	7132	8479	8354	4296	4335	14230	14311
12-Jul-2005	8053	7818	9524	9355	7236	7367	8021	7876	4296	4330	14805	14840
13-Jul-2005	8488	8519	9925	9600	7464	7453	8592	8674	4296	4336	10839	11044
14-Jul-2005	8510	8325	9759	9438	7440	7437	8640	8739	2969	2969	16040	16137
15-Jul-2005	8144	8163	9819	9640	7488	7229	8640	8660	4296	4326	15863	16004
16-Jul-2005	8089	8004	10132	9921	7512	7435	8856	8637	3972	3999	15596	15712
17-Jul-2005	7760	7673	10011	9853	7416	7465	8784	8660	4296	4326	15865	15994
18-Jul-2005	8106	8114	10302	10172	7512	7354	8736	8585	4252	4265	15011	15178
19-Jul-2005	7784	7940	9992	9884	7512	7310	8736	8540	4090	4128	13153	13274
20-Jul-2005	7803	7940	10205	10032	7512	7273	8664	8663	3706	3734	11443	11607
21-Jul-2005	7757	7785	10118	9965	7392	7214	8592	8751	3367	3398	13535	13649
22-Jul-2005	7750	7859	9992	9885	3696	3391	8712	8661	3130	3157	15774	15920
23-Jul-2005	8387	8427	10489	10245	3480	3412	8808	8699	3323	3342	15695	15849
24-Jul-2005	7569	7522	9843	9717	3432	3387	8736	8673	3588	3619	15284	15435
25-Jul-2005	8235	8232	10201	10088	3456	3401	9216	8613	3116	3146	15820	15967
26-Jul-2005	8322	8128	10421	10192	3624	3404	9192	8639	3175	3204	15945	16063
27-Jul-2005	8074	7828	9956	9836	3624	3397	9120	8610	2979	3007	15830	15984
28-Jul-2005	8573	8381	10305	10220	3624	3367	8664	8643	4119	4157	16015	16146
29-Jul-2005	5969	5932	10541	10355	3600	3342	8712	8713	2537	2560	15643	15795
30-Jul-2005	5891	5820	10563	10332	3600	3094	8664	8692	3706	3742	15845	15963
31-Jul-2005	5894	5811	10437	10222	6638	6468	8760	8679	3232	3259	14765	14915
Total MU	234.456	233.186	330.328	323.797	195.121	190.931	272.388	267.229	112.746	113.652	453.955	457.461
Max. MWH	8694	8625	13067	12860	7728	7641	9360	8777	4296	4336	16040	16146
Min MWH	5246	5376	9524	9355	3432	3094	8021	7876	2537	2560	7239	7005
Avg. MWH	7563	7522	10656	10445	6294	6159	8787	8620	3637	3666	14644	14757

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-Jul-2005	1613	1657	12816	12939	11376	9585	27561	27373	15480	14641	3973	4057
2-Jul-2005	1640	1691	12816	12939	11376	9112	27691	27373	15403	14784	2878	2924
3-Jul-2005	1476	1506	12816	12931	11376	10620	27817	27926	15273	14876	1898	1554
4-Jul-2005	1293	1313	12816	12875	11376	10602	28021	27599	15228	14799	1585	1373
5-Jul-2005	1135	1082	12816	12930	11376	9074	28048	27629	13395	12622	1437	1225
6-Jul-2005	1436	1377	12816	12927	11376	9836	28048	28044	4258	4974	731	302
7-Jul-2005	1068	1101	12816	12925	11376	10906	28508	28638	4491	5561	0	158
8-Jul-2005	2220	2241	12816	12929	10902	10286	25273	25406	8665	9132	0	205
9-Jul-2005	2218	2244	12816	12922	11376	11013	24529	24319	8631	8609	0	240
10-Jul-2005	2256	2286	12816	12940	11376	10950	24999	24915	12210	11314	0	185
11-Jul-2005	1322	1350	12816	12937	11376	10522	23854	23603	12905	12569	0	51
12-Jul-2005	1806	1843	12816	12939	11376	9087	22106	21192	12918	12523	0	123
13-Jul-2005	2169	2199	12816	12939	11376	7947	21858	21554	13318	12977	0	96
14-Jul-2005	2224	2242	12816	12934	11376	10467	22366	21772	13908	13031	0	340
15-Jul-2005	2232	2255	12816	12937	11376	10443	23412	23184	13715	13401	406	407
16-Jul-2005	2212	2239	12816	12945	11376	10753	24103	23739	14130	13605	813	836
17-Jul-2005	1798	1812	11748	11630	11520	10865	24753	24490	13830	13229	699	688
18-Jul-2005	1200	1209	12816	12942	11520	10929	26249	26214	12624	11896	1463	1487
19-Jul-2005	1383	1439	12816	12942	11472	10158	27915	28320	2500	2650	3474	3659
20-Jul-2005	1906	1942	12816	12939	11472	10210	28994	28824	14815	14264	4980	4854
21-Jul-2005	1914	1939	12816	12925	11472	8471	33633	32939	14804	13644	7840	7759
22-Jul-2005	2042	2075	12816	12938	11472	10952	31426	31462	13824	13566	5602	5605
23-Jul-2005	2173	2211	12816	12939	11472	10699	30833	30802	13854	13202	5228	5096
24-Jul-2005	2058	2096	12816	12942	11472	10789	30672	31020	13854	13395	5228	5233
25-Jul-2005	1988	2021	12816	12942	11472	10709	29918	29377	13636	13313	5228	5316
26-Jul-2005	1801	1836	12816	12939	11472	10433	27198	26981	13843	13435	4781	4700
27-Jul-2005	2014	2034	12816	12940	11472	10568	25971	25789	13533	13783	4470	4384
28-Jul-2005	1979	2004	12816	12943	11472	10826	25261	25133	13888	13676	4449	4459
29-Jul-2005	2010	2049	12816	12942	11472	10411	28562	28172	14153	14006	4449	4952
30-Jul-2005	1079	1094	12816	12941	11472	10856	33706	33272	14028	13834	5454	5472
31-Jul-2005	2245	2266	12816	12939	11472	10833	34821	34904	14028	13761	5454	5422
Total MU	55.910	56.653	396.228	399.671	353.718	318.912	848.106	841.965	391.142	381.072	82.520	83.162
Max. MWH	2256	2286	12816	12945	11520	11013	34821	34904	15480	14876	7840	7759
Min MWH	1068	1082	11748	11630	10902	7947	21858	21192	2500	2650	0	51
Avg. MWH	1804	1828	12782	12893	11410	10287	27358	27160	12617	12293	2662	2683

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

Date	Nathpa-Jhakri HEP		Chamera stage-II	
	Schedule	Actual	Schedule	Actual
1-Jul-2005	0	0	7200	7268
2-Jul-2005	0	0	7200	7267
3-Jul-2005	0	0	7200	7265
4-Jul-2005	0	0	7200	7260
5-Jul-2005	0	0	7200	7231
6-Jul-2005	0	0	4650	4691
7-Jul-2005	0	0	0	0
8-Jul-2005	0	0	0	0
9-Jul-2005	0	0	5475	5528
10-Jul-2005	0	0	6225	6286
11-Jul-2005	0	0	4725	4767
12-Jul-2005	0	0	4605	4642
13-Jul-2005	0	0	5875	5923
14-Jul-2005	4116	4146	7200	7267
15-Jul-2005	4137	4167	7200	7263
16-Jul-2005	8338	8387	7200	7267
17-Jul-2005	6171	6221	5750	5795
18-Jul-2005	12288	12394	6675	6735
19-Jul-2005	17715	17869	7200	7269
20-Jul-2005	15938	16120	7200	7266
21-Jul-2005	16500	16664	7200	7265
22-Jul-2005	17200	17355	7200	7267
23-Jul-2005	18000	18178	7200	7267
24-Jul-2005	17125	17281	7200	7265
25-Jul-2005	21163	21378	6925	6982
26-Jul-2005	14638	14804	7200	7236
27-Jul-2005	21288	21499	7200	7265
28-Jul-2005	17375	17549	7200	7267
29-Jul-2005	12000	12112	7200	7265
30-Jul-2005	12000	12124	7200	7265
31-Jul-2005	12000	12123	7200	7266
Total MU	247.992	250.371	194.905	196.600
Max. MWH	21288	21499	7200	7269
Min MWH	0	0	0	0
Avg. MWH	8000	8076	6287	6342

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	41.613	20.237	17.702	1.010	42.235	1.001	38.815	2.416	13.592	11.495	15.253	2.57	207.94
02	42.300	19.500	21.700	1.000	42.200	0.400	34.200	3.800	11.800	11.300	16.200	2.60	207.00
03	40.668	17.177	22.732	1.005	40.290	0.297	40.338	3.475	14.229	12.258	16.137	2.57	211.18
04	41.711	16.310	22.642	0.995	39.535	0.000	40.819	3.148	13.562	13.606	16.030	2.57	210.93
05	39.042	16.248	21.257	0.764	38.629	0.243	40.723	3.643	8.502	14.770	12.356	2.57	198.75
06	39.731	14.826	17.373	0.000	39.675	0.713	39.174	3.010	2.440	14.038	4.805	2.57	178.36
07	34.401	14.888	11.647	0.763	34.546	0.609	37.993	3.247	2.705	14.218	5.928	2.57	163.51
08	35.905	14.533	14.457	0.641	35.540	0.537	41.991	4.326	6.183	12.326	6.691	2.57	175.70
09	40.713	15.688	20.397	0.784	35.514	0.885	38.039	4.244	13.264	15.265	8.269	2.57	195.63
10	39.522	16.337	19.306	0.631	36.632	0.329	36.750	3.525	10.408	15.422	16.330	2.57	197.76
11	37.747	16.954	18.446	0.668	37.766	0.346	35.271	3.307	7.191	14.963	16.153	2.57	191.38
12	37.747	16.954	18.446	0.668	36.157	0.346	35.271	3.307	7.191	14.963	16.153	2.57	189.77
13	40.602	17.987	15.214	0.703	36.910	0.214	37.818	3.336	11.123	15.403	16.176	2.57	198.06
14	41.426	20.646	17.274	0.642	37.455	0.000	44.258	3.445	9.761	15.323	16.211	2.57	209.01
15	37.199	23.510	12.622	0.754	36.217	0.497	38.098	4.277	10.591	15.205	16.959	2.57	198.50
16	42.402	21.453	22.515	0.220	39.774	0.000	44.021	3.079	6.915	11.487	15.429	2.57	209.87
17	40.168	21.997	20.730	0.636	35.669	0.000	42.718	3.772	11.195	11.391	16.572	2.57	207.42
18	36.562	22.512	19.181	0.623	34.762	0.259	38.316	4.069	9.272	13.980	16.533	2.57	198.64
19	37.199	23.510	12.622	0.754	36.217	0.497	38.098	4.277	10.591	15.205	16.959	2.57	198.50
20	42.298	24.675	14.101	0.893	32.745	0.161	37.188	3.841	9.823	15.007	16.847	2.57	200.15
21	41.877	26.224	19.902	0.803	37.314	0.345	40.670	4.128	12.642	14.539	16.055	2.57	217.07
22	42.363	26.364	19.633	0.837	37.791	0.333	42.455	4.188	12.642	14.547	16.547	2.57	220.27
23	42.676	26.055	16.397	0.865	34.241	0.516	44.153	3.911	12.470	14.747	17.209	2.57	215.81
24	42.793	26.223	20.118	0.828	31.241	0.460	45.045	3.564	12.017	14.598	16.653	2.57	216.11
25	42.684	26.246	17.270	0.697	33.385	0.218	42.164	3.402	12.017	14.663	17.346	2.57	212.66
26	42.500	26.300	17.500	0.700	38.100	0.300	45.300	3.300	12.000	14.400	16.200	2.57	219.17
27	39.972	25.550	23.796	0.810	43.457	0.544	43.771	3.705	8.849	14.876	16.325	2.57	224.22
28	42.403	24.813	24.764	0.717	39.766	0.517	44.017	4.036	9.608	14.997	15.466	2.57	223.68
29	40.937	24.731	23.786	0.352	39.610	0.801	44.827	3.738	5.548	15.190	11.179	2.57	213.27
30	41.870	25.481	19.911	0.281	37.102	0.646	47.609	3.603	8.282	14.877	15.468	2.57	217.70
31	42.865	25.331	15.575	0.326	39.855	0.262	46.664	4.445	10.793	15.097	15.650	2.57	
Maximum	42.86	26.36	24.76	1.01	43.46	1.00	47.61	4.45	14.23	15.42	17.35	2.60	224.22
Minimum	34.40	14.53	11.65	0.00	31.24	0.00	34.20	2.42	2.44	11.30	4.81	2.57	163.51
Average	40.38	21.27	18.68	0.69	37.43	0.40	40.86	3.66	9.91	14.20	14.71	2.57	204.27
Month Total	1251.90	659.26	579.02	21.37	1160.33	12.27	1266.57	113.56	307.21	440.16	456.09	79.73	6128.02

Month Total

XI. Performance Of Generating Stations

S.No.	Power Station	Effective Capacity MW	Energy Generated during July 2005 (Ex Bus MU)	Cummulative from 01.04.2005 (Ex-bus MU)
1	CENTRAL SECTOR			
A	NTPC (Thermal)			
(a)	Badarpur TPS	705.00	439.08	1644.13
(b)	Singrauli STPS	2000.00	1024.64	4423.73
(c)	Rihand STPS	1500.00	709.97	2801.64
(d)	Dadri NCTPS	840.00	550.82	1976.56
(e)	Unchahar-I TPS	420.00	268.14	1109.55
(f)	Unchahar-II TPS	420.00	234.52	988.12
(g)	Tanda TPS	440.00	210.20	926.89
(h)	Anta GPS	419.33	233.19	859.55
(i)	Auraiya GPS	663.36	323.80	1124.25
(j)	Dadri GPS	829.78	460.79	1661.65
(k)	Faridabad GPS	431.57	274.63	988.93
	Total NTPC	8669.04	4729.77	18504.99
B	NHPC			
(a)	Bairasiul	180.00	113.65	460.64
(b)	Salal	690.00	457.48	1729.38
(c)	Tanakpur HPS	94.20	56.66	173.77
(d)	Chamera HPS	540.00	399.67	1305.13
(e)	Uri HPS	480.00	318.91	1312.30
(f)	Chamera2 HPS	300.00	196.60	750.88
	Total NHPC	2284.20	1542.97	5732.10
C	Nathpa-Jhakri	1500.00	849.04	2360.25
D	NPC			
(a)	RAPS -A	300.00	93.44	336.44
(b)	RAPS -B	440.00	267.23	936.44
(c)	NAPS	440.00	190.95	729.81
	Total NPC	1180.00	551.62	2002.69
2	JOINTLY OWNED (BBMB)			
(a)	Bhakra Complex	1480.30	847.73	2197.08
(b)	Dehar	990.00	381.25	1491.37
(c)	Pong	396.00	82.81	457.66
	Total BBMB	2866.30	1311.79	4146.11
3	DELHI			
(a)	Indra Prastha	247.50	66.56	269.03
(b)	Rajghat	135.00	26.31	176.53
(c)	Gas Turbines	282.00	151.07	550.90
(d)	Pragati Gas	330.00	193.92	751.98
	Total DELHI	994.50	437.86	1748.43
4	HARYANA			
(a)	WYC	62.40	21.53	102.21
(b)	Faridabad (New)	165.00	58.31	237.62
(c)	Panipat	1360.00	608.40	2382.26
(d)	Magnum Diesel(IPP)*	25.20	0.00	1.44
	Total Haryana	1612.60	688.24	2723.53

contd/-

5	HP			
(a)	Giri	60.00	33.49	53.43
(b)	Bassi	60.00	30.74	126.01
(c)	Binwa	6.00	3.13	15.02
(d)	Rongtong (+Nogli+Micro+Thirot+Sal-2)	15.25	2.27	14.71
(e)	Andhra	16.95	3.08	31.15
(f)	Bhabha (H)	120.00	80.11	263.09
(g)	Baner (H)	12.00	6.71	20.85
(h)	Gaj (H)	10.50	6.58	27.85
(i)	Gumma	3.00	1.74	3.86
(j)	Ghanvi	22.50	5.88	30.83
(k)	Malana (IPP)	86.00	73.11	176.76
(l)	Baspa (IPP)	300.00	200.61	547.98
	Total HP	712.20	447.43	1311.53
6	J & K			
(a)	Lower Jhelum	105.00	68.36	253.06
(b)	Upper Sindh	127.60	30.28	63.93
(c)	Ganderbal	15.00	2.54	10.74
(d)	Mohra	9.00	0.00	0.00
(e)	Chenani	32.80	1.23	6.53
(f)	Stakna	9.75	0.00	0.00
(g)	Small Hydel	3.54	1.04	3.78
(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	0.00
(k)	Pampore GT St - II	100.00	0.00	0.00
	Total J & K	493.87	103.45	338.03
7	PUNJAB			
(a)	Jogindernagar/ Shanan	110.00	58.50	255.48
(b)	UBDC	90.00	60.80	213.93
(c)	Mukerian	207.00	63.13	365.88
(d)	Anandpur Sahib (APS)	134.00	93.51	256.98
(e)	Ranjit Sagar HPS	600.00	376.46	929.14
(f)	Small Hydel	4.10	0.31	0.61
(g)	GNDTPS (Bhatinda)	440.00	157.55	667.49
(h)	GGSTPS (Ropar)	1260.00	815.59	2676.76
(i)	Jhalkeri	10.00	0.61	6.61
	Peda & Sugarmill		1.06	12.06
(j)	Lehra Mohabbat TPS	420.00	271.92	814.26
	Total Punjab	3275.10	1899.43	6199.19
8	RAJASTHAN			
(a)	Mahi Bajaj Sagar	140.00	0.26	280.42
(b)	Rana Pratap Sagar (RPS)	172.00	3.56	8.84
(c)	Jawahar Sagar (JS)	99.00	7.45	12.20
(d)	Gandhi sagar	115.00		
(d)	ACW	9.00	0.85	2.61
(e)	MMH	14.85	0.40	2.13
(f)	Kota TPS	1045.00	570.77	2226.73
(g)	RAMGARH GT			
(h)	RAMGARH GT EXT	110.50	31.08	118.43
(i)	Suratgarh TPS	1250.00	532.66	2867.57
(j)	Wind Farm	259.94	67.17	190.43
(k)	Others	7.80	4.17	16.19
	Total Rajasthan	3108.09	1218.37	5725.54

contd/-

9	U.P.			
	<u>HYDRO</u>			
(a)	Rihand	300.00	46.46	147.84
(b)	Obra	99.00	21.38	64.96
(c)	Matatilla	30.00	17.10	28.84
(d)	Khara	72.00	29.00	123.56
	Total U.P. (Hydro)	501.00	113.94	365.20
	<u>THERMAL</u>			
(e)	Obra	1442.00	371.86	1694.74
(f)	Panki	242.00	69.44	281.67
(g)	Harduaganj	375.00	22.53	137.68
(h)	Paricha	220.00	57.36	254.00
(i)	Anpara	1630.00	753.35	3443.25
	Total U.P. (Thermal)	3909.00	1274.55	5811.35
	Total U.P.	4410.00	1388.48	6176.55
10	UTTRANCHAL			
(a)	Khatima	41.40	17.47	61.96
(b)	Ramganga	198.00	0.00	72.12
(c)	Ganga Canal	32.70	13.01	129.63
(d)	Yamuna (I & IV)	114.75	61.21	179.27
(e)	Chibro	240.00	90.14	312.95
(f)	Khodri	120.00	41.46	147.52
(g)	Chilla	144.00	76.34	254.33
(h)	Maneri Bhali	90.00	8.34	146.38
(i)	Sibla+Small hydel	18.20		
	Total Uttranchal	999.05	307.97	1304.15
11	CHANDIGARH			
	Diesel gen set	1.40		
	Total Region	32106.35	15476.41	58273.10

* 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 JULY 2005**(ALL FIGS IN MUs)**

FROM / TO	PUNJAB	HARYANA	RAJASTHAN	DELHI	UP	UTTRANCHAL	HP	J & K	CHANDIGARH	MALANA
PUNJAB	-		23.775***		-	25.809****	25.864.****		-	-
HARYANA	-	-	-	21.672***		27.651****	60.083*	-	-	
RAJASTHAN		-	-		-	-	-	-		
DELHI	-		-		-	-	267.495****	-	-	-
UP	-	-	-	6.600**	-		5.779*	-	-	-
UTTRANCHAL		-	-	-	-	-		-	-	-
HP	23.234***		-		4.224***	46.074***	-	-	-	-
J & K		-	-		-	-	-	-	-	-
CHANDIGARH	-	-	-	-	-	-	-	-	-	-

* Through PTC

** Through TATA

*** Shared projects



**** Through Banking/ Agreement

**REMARKS :** Figures are provisional and indicative only.

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

(ALL FIGS IN MUs)

FROM / TO	GRIDCO	CESC	WBPCL	GUJRAT	MPEB	A'CHAL	KAYAKULAM	APTRANSCO	Sikkim	Assam	TRIPURA
PUNJAB	44.088+18.338(R)*	0.369WR*	24.183+39.448(R)* 95.578WR*	25.936*WR	3.752WR* 12.947WR***					-	25.380*
HARYANA				34.509WR*							
APTRANSCO											
DELHI				5.277WR*	0.919WR*			--			
UP			6.237+2.143WR**** 1.763*	5.385WR*	31.087WR* 15.376WR***					56.471*	
MPEB	-							-	-	-	
MSEB							-		-	-	
CHANDIGARH			17.261*								

* Through PTC

(+) Import by NR constituents

(-) Export by NR constituents

** Through Tata

*** 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 July 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	200	500	500	0	10.31	0.00	10.31	-27	-25	0	28	0.00	0.75	-0.75
02	100	500	500	300	7.63	0.22	7.41	-22	-25	0	28	0.00	0.79	-0.79
03	100	500	500	300	7.63	0.20	7.43	-22	-25	0	28	0.00	0.71	-0.71
04	100	350	500	100	6.39	0.02	6.37	-25	-27	0	32	0.00	0.72	-0.72
05	0	325	400	50	4.78	0.01	4.77	-28	-32	0	32	0.00	0.69	-0.69
06	0	-50	350	100	3.84	0.07	3.77	-28	-32	0	32	0.00	0.69	-0.69
07	0	230	500	0	6.32	0.00	6.32	-33	-26	0	34	0.00	0.70	-0.70
08	0	230	500	0	8.12	0.00	8.12	-34	-30	0	34	0.00	0.72	-0.72
09	0	500	500	0	9.50	0.00	9.50	0	-30	0	34	0.00	0.60	-0.60
10	0	500	500	0	9.80	0.00	9.80	0	-34	0	34	0.00	0.60	-0.60
11	50	500	500	0	8.58	0.00	8.58	0	0	0	0	0.00	0.00	0.00
12	50	319	500	0	7.77	0.00	7.77	-14	0	0	21	0.00	0.29	-0.29
13	50	425	500	0	7.76	0.00	7.76	-14	0	25	20	0.00	0.58	-0.58
14	-50	300	300	150	7.34	0.15	7.19	-14	-12	0	14	0.00	0.52	-0.52
15	50	453	500	50	8.11	0.01	8.11	-26	-24	0	30	0.00	0.48	-0.48
16	0	450	500	100	7.41	0.03	7.38	-22	-20	0	28	0.00	0.52	-0.52
17	0	450	500	100	6.38	0.38	6.00	-26	-22	0	26	0.00	0.52	-0.52
18	0	450	500	100	5.73	0.07	5.66	-24	-21	0	26	0.00	0.43	-0.43
19	50	453	500	50	8.11	0.01	8.11	-26	-24	0	30	0.00	0.48	-0.48
20	0	500	500	50	8.86	0.00	8.86	-23	-20	0	28	0.00	0.54	-0.54
21	0	500	500	50	7.83	0.02	7.81	-24	-18	0	28	0.00	0.58	-0.58
22	-50	435	500	50	8.79	0.01	8.79	0	-20	0	28	0.00	0.20	-0.20
23	0	500	500	100	9.05	0.02	9.03	0	0	0	0	0.00	0.00	0.00
24	0	500	500	0	8.77	0.00	8.77	-17	0	0	23	0.00	0.25	-0.25
25	50	300	500	50	6.39	0.01	6.37	-20	-16	0	25	0.00	0.59	-0.59
26	0	500	500	50	9.40	0.01	9.39	-25	-18	0	28	0.00	0.60	-0.60
27	50	500	500	50	9.27	0.01	9.26	-23	-24	0	30	0.00	0.62	-0.62
28	50	500	500	0	10.16	0.00	10.16	-24	-26	0	29	0.00	0.62	-0.62
29	0	500	500	0	10.16	0.00	10.14	-24	-26	0	29	0.00	0.62	-0.62
30	100	500	500	0	10.37	0.00	10.37	-27	-25	0	30	0.00	0.63	-0.63
31	0	500	500	0	10.62	0.00	10.62	-23	-22	0	24	0.00	0.56	-0.56
Maximum	200	500	500	300	10.62	0.38	10.62	0	0	25	34	0.00	0.79	0.00
Minimum	-50	-50	300	0	3.84	0.00	3.77	-34	-34	0	0	0.00	0.00	-0.79
Average	29	423	485	58	8.10	0.04	8.06	-20	-20	1	26	0.00	0.54	-0.54
Month Tota					251.17	1.23	249.95					0.00	16.60	-16.60

POWERGRID CORPORATION OF INDIA LTD.
NRLDC, New Delhi

Operational data

Summary of inter regional exchanges for July 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	350	500	500	0	10.79	0.00	10.79
02	0	0	0	0	0.00	0.00	0.00	150	500	500	0	9.65	0.00	9.65
03	0	0	0	0	0.00	0.00	0.00	150	500	500	0	9.56	0.00	9.56
04	0	0	0	0	0.00	0.00	0.00	50	350	425	0	6.31	0.00	6.31
05	0	0	0	0	0.00	0.00	0.00	50	250	500	0	6.48	0.00	6.48
06	0	0	0	0	0.00	0.00	0.00	70	100	420	0	7.01	0.00	7.01
07	100	37	101	0	1.86	0.00	1.86	250	200	500	0	8.07	0.00	8.07
08	47	101	104	0	2.49	0.00	2.49	200	500	500	0	9.63	0.00	9.63
09	0	100	102	0	3.32	0.00	3.32	200	500	500	0	10.49	0.00	10.49
10	141	189	193	0	3.30	0.00	3.30	150	500	500	0	9.80	0.00	9.80
11	0	175	190	0	3.24	0.00	3.24	0	325	450	0	6.16	0.00	6.16
12	48	180	195	0	3.35	0.00	3.35	150	235	500	0	8.04	0.00	8.04
13	40	176	185	0	3.50	0.00	3.50	50	350	500	0	6.87	0.00	6.87
14	30	163	185	0	3.39	0.00	3.39	50	200	185	0	6.08	0.00	6.08
15	0	167	197	0	3.10	0.00	3.10	100	340	420	0	6.49	0.00	6.49
16	110	174	177	0	2.61	0.00	2.61	0	500	500	0	7.24	0.00	7.24
17	67	141	202	0	3.02	0.00	3.02	50	150	300	0	3.18	0.00	3.18
18	68	191	199	0	3.63	0.00	3.63	50	350	375	0	6.70	0.00	6.70
19	0	167	197	0	3.10	0.00	3.10	100	340	420	0	6.49	0.00	6.49
20	0	206	208	0	3.54	0.00	3.54	250	455	500	0	9.65	0.00	9.65
21	0	70	80	0	1.99	0.00	1.99	50	420	450	0	7.45	0.00	7.45
22	0	76	189	0	2.01	0.00	2.01	150	450	450	0	5.37	0.00	5.37
23	0	70	154	0	2.34	0.00	2.34	88	140	158	0	3.15	0.00	3.15
24	0	54	166	0	2.10	0.00	2.10	0	140	500	0	8.88	0.00	8.88
25	0	74	191	0	2.40	0.00	2.40	50	500	500	0	9.01	0.00	9.01
26	0	78	170	0	2.60	0.00	2.60	50	400	500	0	9.80	0.00	9.80
27	0	208	220	0	2.66	0.00	2.66	50	500	500	0	9.18	0.00	9.18
28	0	71	150	0	2.77	0.00	2.77	350	400	500	0	10.46	0.00	10.46
29	70	175	200	0	4.62	0.00	4.62	50	500	500	0	10.49	0.00	10.49
30	210	190	210	0	4.72	0.00	4.72	175	500	500	0	11.63	0.00	11.63
31	19	208	229	0	3.92	0.00	3.92	50	500	500	0	9.56	0.00	9.56
Maximum	210	208	229	0	4.72	0.00	4.72	350	500	500	0	11.63	0.00	11.63
Minimum	0	0	0	0	0.00	0.00	0.00	0	100	158	0	3.15	0.00	3.15
Average	31	111	142	0	2.44	0.00	2.44	112	374	453	0	8.05	0.00	8.05
Month Tota					75.55	0.00	75.55					249.66	0.00	249.66

Summary of inter regional exchanges for July 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	-32	-24	0	33	0.00	0.50	-0.50
02	0	0	0	0	0.00	0.00	0.00	-24	-21	0	30	0.00	0.50	-0.50
03	0	0	0	0	0.00	0.00	0.00	0	-22	0	30	0.00	0.50	-0.50
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	0	0	0	0	0.00	0.00	0.00
08	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
09	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
10	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
11	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
12	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
13	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
14	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
15	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00
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	0	0.00	0.00	0.00
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	0	0.00	0.00	0.00
Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.00	0.00	0.50	0.00
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-32.00	-24.00	0.00	0.00	0.00	0.00	-0.50
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.81	-2.16	0.00	3.00	0.00	0.05	-0.05
Month Tota					0.00	0.00	0.00					0.00	1.50	-1.50

POWERGRID CORPORATION OF INDIA LTD.
NRLDC, New Delhi

Operational data

Smmary of inter regional exchanges for July 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	126	130	132	0	2.85	0.00	2.85	0	0	0	0	0.00	0.00	0.00
02	143	151	151	0	3.10	0.00	3.10	0	0	0	0	0.00	0.00	0.00
03	134	151	161	0	3.44	0.00	3.44	0	0	0	0	0.00	0.00	0.00
04	132	167	174	0	3.34	0.00	3.34	0	0	0	0	0.00	0.00	0.00
05	155	145	189	0	3.01	0.00	3.01	0	0	0	0	0.00	0.00	0.00
06	129	130	142	0	3.22	0.00	3.22	0	0	0	0	0.00	0.00	0.00
07	139	162	168	0	3.49	0.00	3.49	0	0	0	0	0.00	0.00	0.00
08	142	128	150	0	3.35	0.00	3.35	0	0	0	0	0.00	0.00	0.00
09	145	100	156	0	3.21	0.00	3.21	0	0	0	0	0.00	0.00	0.00
10	152	110	154	0	3.00	0.00	3.00	0	0	0	0	0.00	0.00	0.00
11	119	99	192	0	3.50	0.00	3.50	0	0	0	0	0.00	0.00	0.00
12	127	127	163	0	3.11	0.00	3.11	0	0	0	0	0.00	0.00	0.00
13	118	148	167	0	3.37	0.00	3.37	0	0	0	0	0.00	0.00	0.00
14	100	160	160	0	3.34	0.00	3.34	0	0	0	0	0.00	0.00	0.00
15	111	130	176	0	3.34	0.00	3.34	0	0	0	0	0.00	0.00	0.00
16	140	120	160	0	2.91	0.00	2.91	0	0	0	0	0.00	0.00	0.00
17	123	122	146	0	2.99	0.00	2.99	0	0	0	0	0.00	0.00	0.00
18	125	155	172	0	3.45	0.00	3.45	0	0	0	0	0.00	0.00	0.00
19	111	130	176	0	3.34	0.00	3.34	0	0	0	0	0.00	0.00	0.00
20	130	73	163	0	3.03	0.00	3.03	0	0	0	0	0.00	0.00	0.00
21	113	155	175	0	3.36	0.00	3.36	0	0	0	0	0.00	0.00	0.00
22	145	158	175	0	3.05	0.00	3.05	0	0	0	0	0.00	0.00	0.00
23	120	123	153	0	2.37	0.00	2.37	0	0	0	0	0.00	0.00	0.00
24	145	130	155	0	3.24	0.00	3.24	0	0	0	0	0.00	0.00	0.00
25	117	139	167	0	3.17	0.00	3.17	0	0	0	0	0.00	0.00	0.00
26	120	150	170	0	3.20	0.00	3.20	0	0	0	0	0.00	0.00	0.00
27	106	114	172	0	3.06	0.00	3.06	0	0	0	0	0.00	0.00	0.00
28	119	157	170	0	3.10	0.00	3.10	0	0	0	0	0.00	0.00	0.00
29	109	133	159	0	3.01	0.00	3.01	0	0	0	0	0.00	0.00	0.00
30	140	188	188	0	2.78	0.00	2.78	0	0	0	0	0.00	0.00	0.00
31	129	140	188	0	3.34	0.00	3.34	0	0	0	0	0.00	0.00	0.00
Maximum	155	188	192	0	3.50	0.00	3.50	0	0	0	0	0.00	0.00	0.00
Minimum	100	73	132	0	2.37	0.00	2.37	0	0	0	0	0.00	0.00	0.00
Average	128	136	165	0	3.16	0.00	3.16	0	0	0	0	0.00	0.00	0.00
Month Tota					98.05	0.00	98.05					0.00	0.00	0.00

XV. Status Of Installation Of Shunt Capacitors As On 31.07.2005**(All fig. In MVARs)**

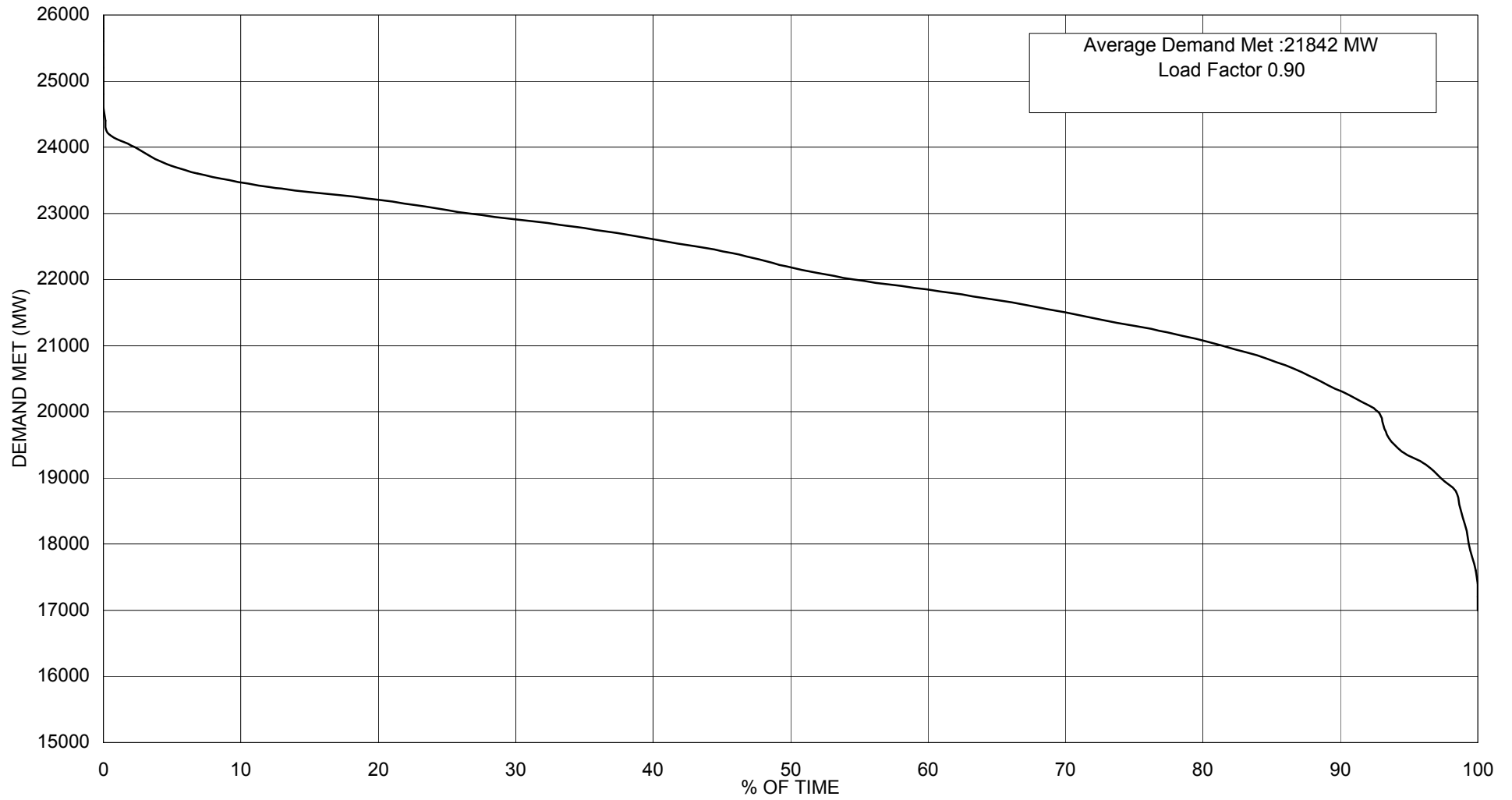
STATE/UT	Requirement by 31.03.2005 studies	Installed as on 31.03.2005	BBMB capacitors approtioned	Assuming 85% of Installed capacitors as effective. Capacitors	Additional Requirement for 2005-2006	Programme as furnished by SEB's	Installed during 2005-06 upto 31.07.2005	Balance to be installed during 2005-06	Capacitors installed as on 30.06.2005
DELHI	3155	** 3144	20	2689	466	-	216	250	3360
HARYANA	2760	2323	200	2145	615		68	547	2391
PUNJAB	4700	5000	136	4366	334		133	201	5133
RAJASTHAN	2760	3208	0	2727	33		25	8	3233
UP	5120	5192	0	4413	707		0	707	5192
UTTRANCHAL	370	180	0	153	217		0	217	180
HP	330	311	0	264	66		0	66	311
J&K	970	147	0	125	845		0	845	147
CHANDIGARH	175	100	25	106	69	-	0	69	100
TOTAL	20340	19605	381	16988	3352		442	2910	20047

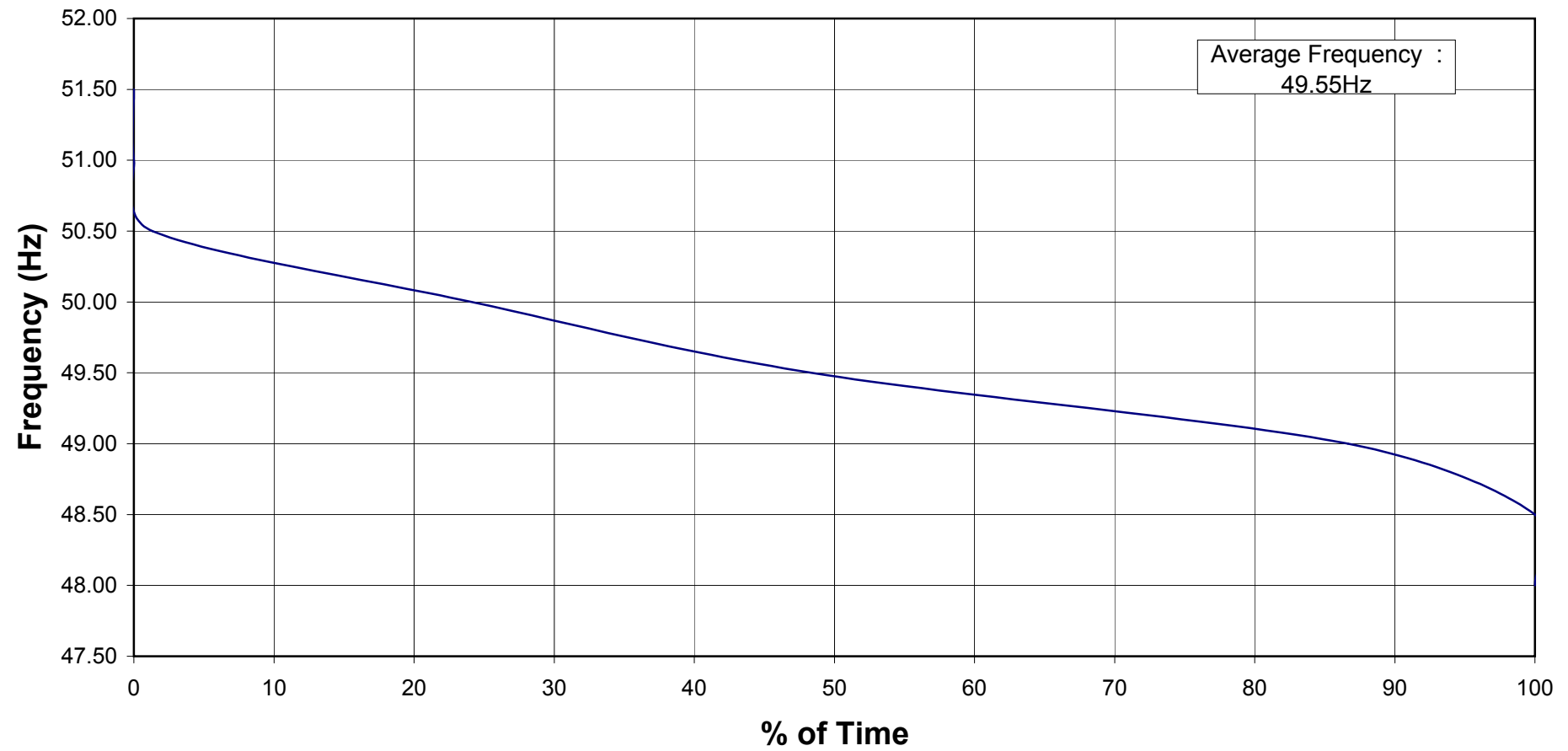
XVI. Hydraulic Data For Reservoirs During July 2005

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 JULY 2005 (m)	503.32	414.37	256.92	350.83	385.15
	1651.31	1359.47	842.90	1151.02	1263.63
Level on last day of JULY 2004 (m)	468.38	397.34	253.50	344.64	379.77
	1536.67	1303.60	831.69	1130.70	1245.96
Live Capacity as on last day of JULY 2005 (mhmt)	0.53	0.43	0.10	0.11	0.06
(maft)	4.32	3.48	0.85	0.92	0.48
Live Capacity as on last day of JULY 2004 (mhmt)	0.15	0.12	0.00	0.02	0.00
(maft)	1.21	0.97	0.00	0.16	0.00
Energy content as on last day of JULY 2005 (MU)	2120.00	625.00	150.00	220.00	180.00
Energy content as on last day of JULY 2004 (MU)	520.00	180.00	20.00	35.00	0.00
Maximum level (m)	503.32	414.37	256.92	350.83	385.15
(ft)	1651.31	1359.47	842.90	1151.02	1263.63
(date)	31.07.2005	31.07.2005	31.07.2005	31.07.2005	31.07.2005
Minimum level (m)	480.93	395.64	254.63	350.34	382.98
(ft)	1577.87	1298.02	835.40	1149.40	1256.50
(date)	01.07.2005	01.07.2005	01.07.2005	01.07.2005	01.07.2005

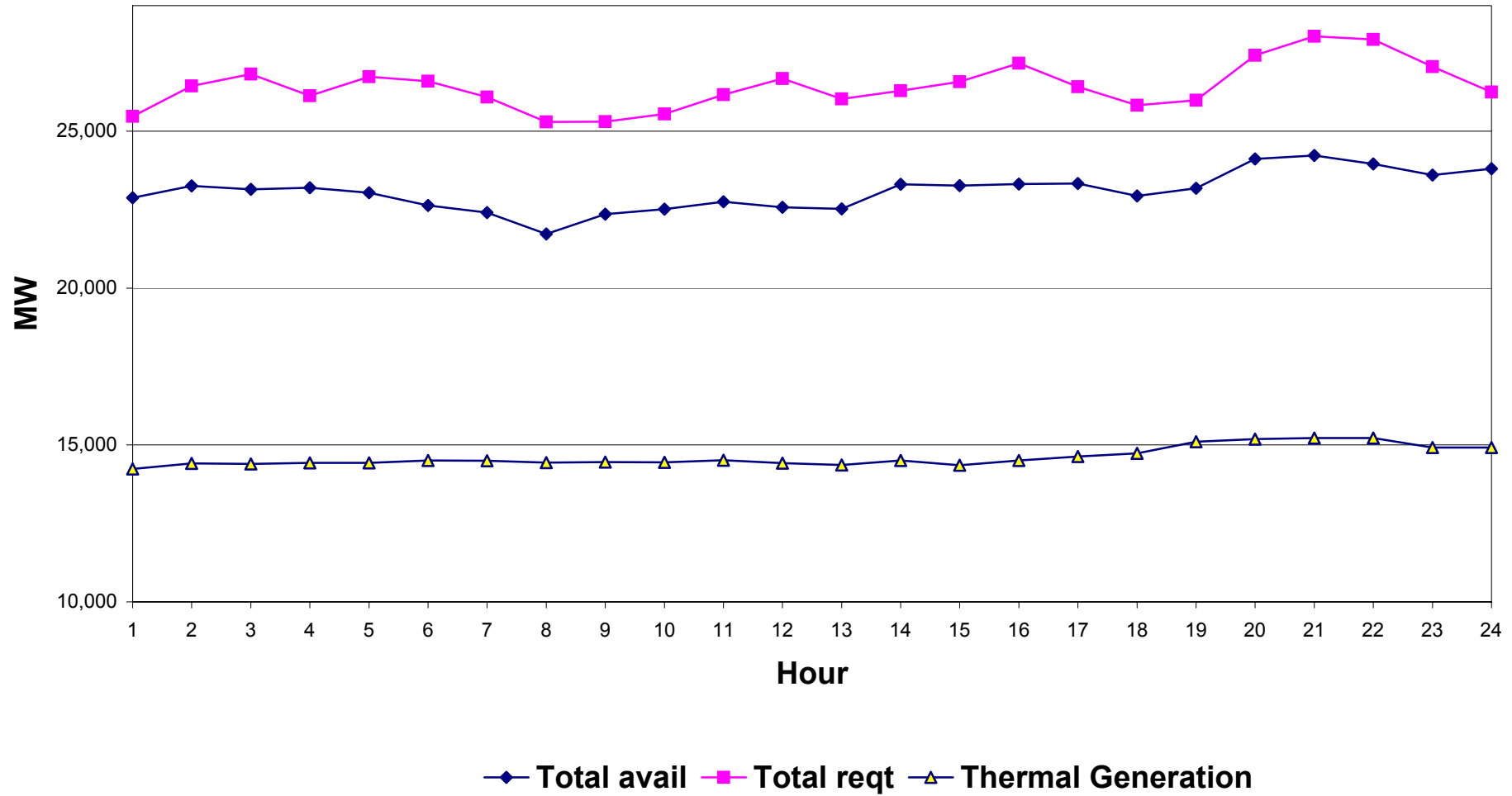
Energy content of Bhakra : Total Energy content at Bhakra, Ganguwal and Kotla power stations
Energy content of Rihand : Total Energy content at Rihand & Obra power stations
Energy content of RPS : Total Energy content of Rana Pratap Sagar and Jawahar Sagar Power Stations.
Energy Content of G. Sagar :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

Load Duration Curve For Northern Region For July 2005

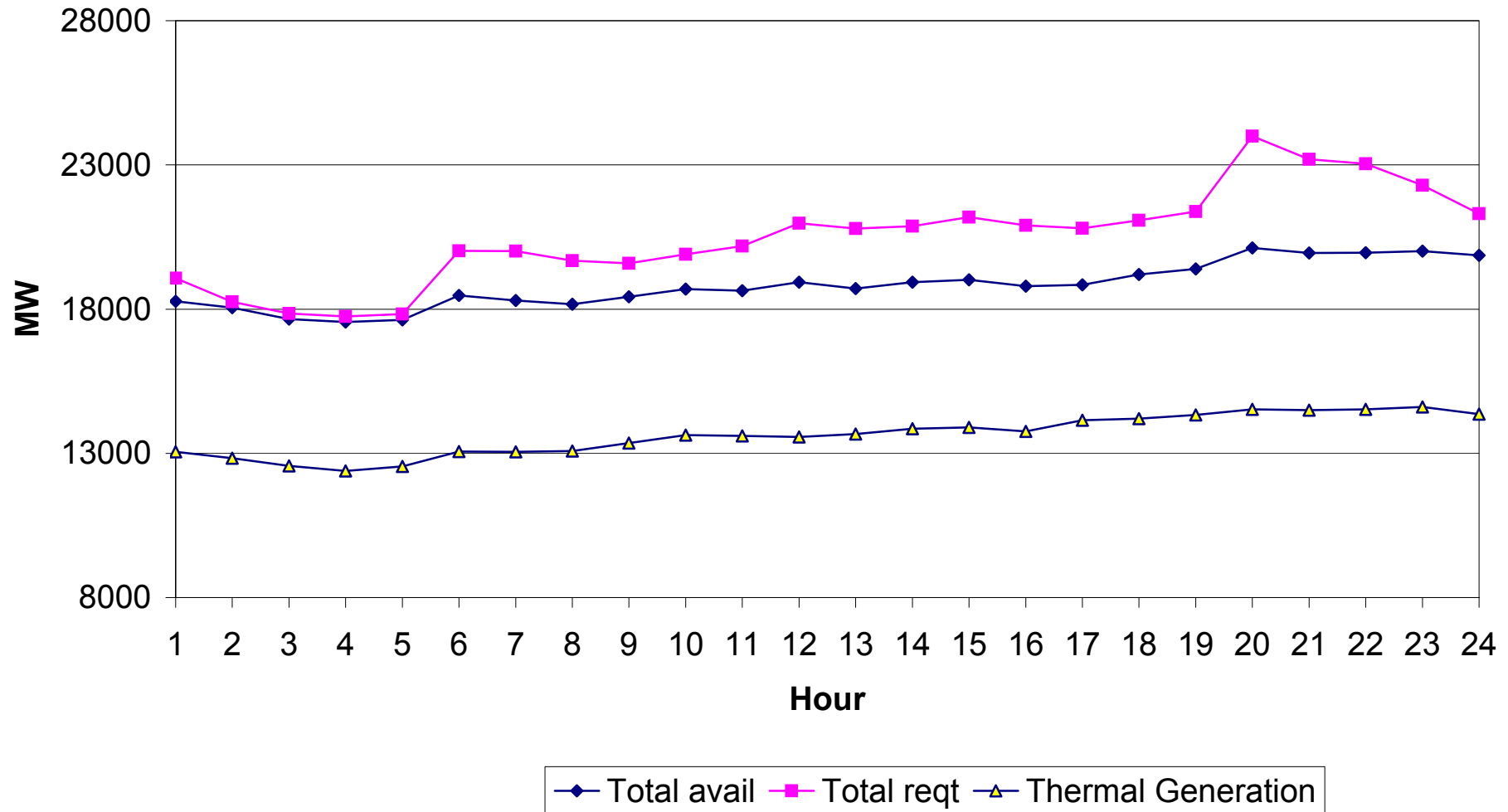


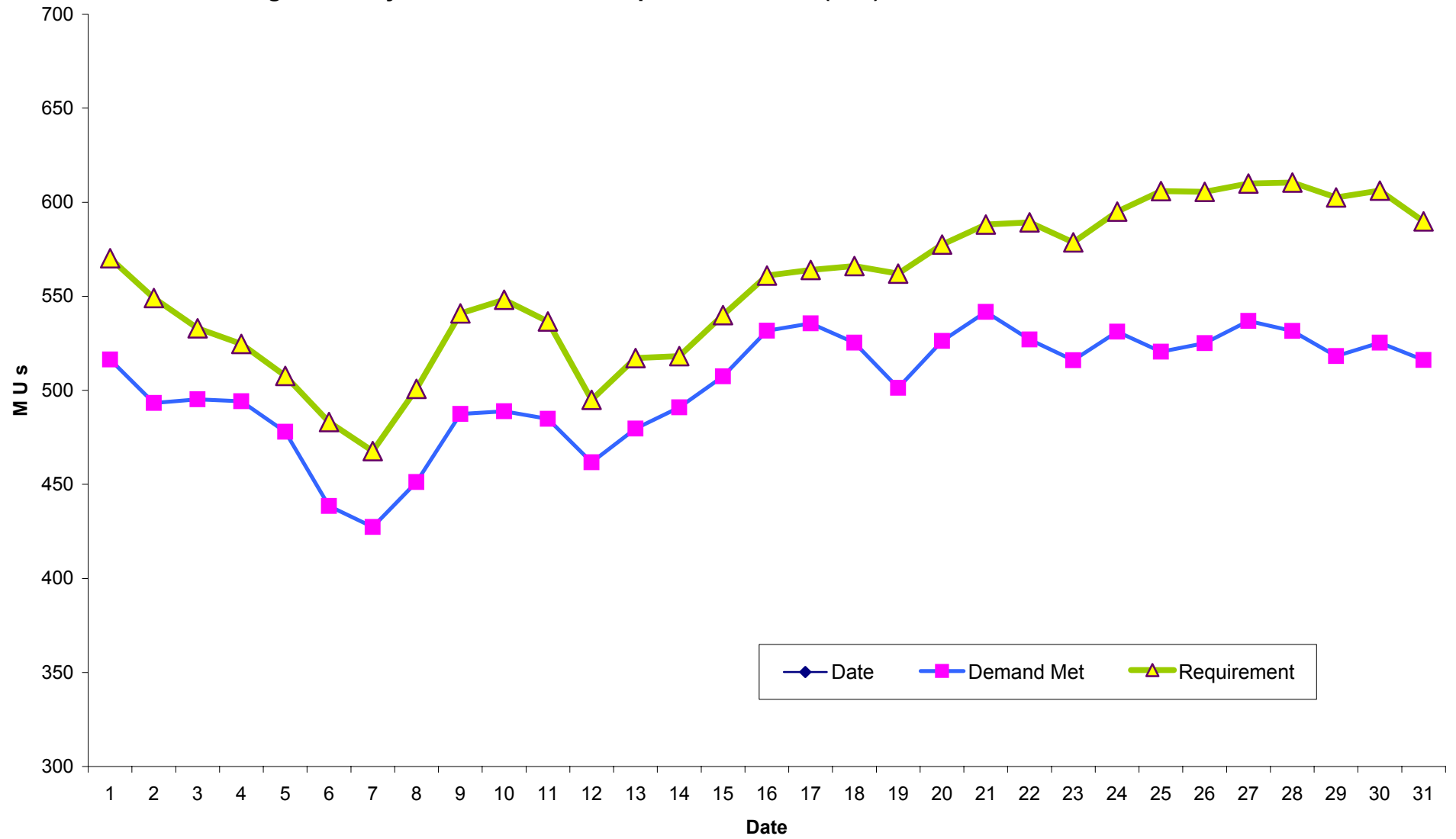
Frequency Duration Curve For Northern Region For July 2005

Load Curve Of Northern Region For Maximum Demand Met Day (26th July 2005)



Load Curve Of Northern Region For Minimum Demand Met Day (7th July 2005)



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

Grid Incident during July2005		
DATE	TIME	INCIDENT
06.07.2005	01.23 hrs.	A partial grid disturbance occurred in Northern Regional Grid resulting in tripping of NTPC Dadri complex, outage of HVDC Rihand-Dadri bi-pole and few important 400 KV lines of east-west corridor. Y-phase to ground fault in 400 KV Agra-Muradnagar line could not be cleared due to air pressure lock out of breaker at Muradnagar sub-station of UPPCL. This led to LBB operation of bus-B at Muradnagar sub-station. However, non tripping of breaker on 400 KV Dadri line at Muradnagar on LBB led to tripping of ICT-3 & ICT-4 at Dadri GPS on back up earth fault, causing tripping of all running units of Dadri GPS. All running units of Dadri Thermal also tripped on GT back up earth fault protection. Three running units of Panipat TPS, one unit at Dehar HEP and unit #4 at BTPS also tripped. There was a loss of generation of about 200 MW. RESTORATION : (A) <u>LINES</u> 02.46 hrs.: 400 KV Dadri-Ballabgarh -I restored 02.50 hrs : HVDC Rihand-Dadri pole-1 restored 03.09 hrs : 400 KV Dehar-Panipat restored 03.13 hrs : ICT-4 at Dadri restored 03.27 hrs : Supply to Railway feeder restored 03.30 hrs 400 KV bus-I at Dadri charged 03.37 hrs : HVDC Rihand-Dadri pole-2 restored 03.42 hrs : 400 KV Mainpuri-Allahabad -II restored 03.50 hrs : 400 KV Mainpuri-Allahabad -I restored 04.36 hrs : 400 KV Moradabad-Muradnagar restored 04.52 hrs : 400/220 KV, 240 Mva ICT-I at Muradnagar restored 04.53 hrs : 400/220 KV, 240 MVA ICT-II at Muradnagar restored 05.12 hrs : 400 Panki-Muradnagar restored 05.20 hrs : 400/220 KV, 240 MVA ICT-III at Muradnagar restored

contd. Page-2

(B) UNITS

03.39 hrs : GT-1 at Dadri GPS synchronise
03.41 hrs : GT-2 at Dadri GPS synchronise
05.30 hrs : GT-3 at Dadri GPS synchronise
05.58 hrs : GT-4 at Dadri GPS synchronise
06.10 hrs : BTPS #4 synchronise
06.37 hrs : Unit #1 at Dadri Thermal synchronise
06.51 hrs : ST-1 at Dadri GPS synchronise
06.54 hrs : Unit #3 at Dadri thermal synchronise
07.24 hrs : St-2 at Dadri GPS synchronise
07.48 hrs : Unit #4 at Dadri Thermal synchronise
09.24 hrs : Unit #2 at Dadri Thermal synchronise