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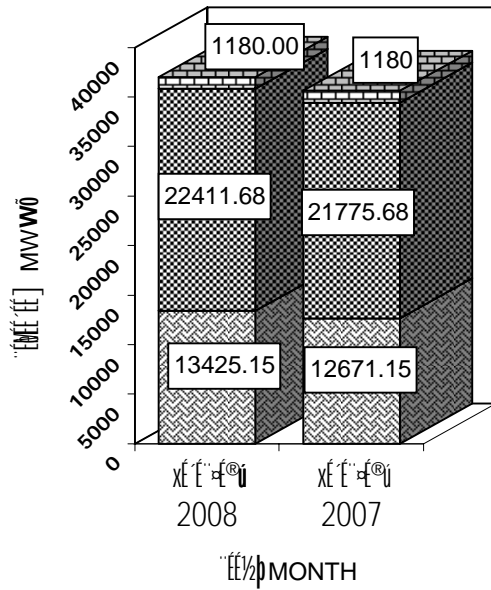
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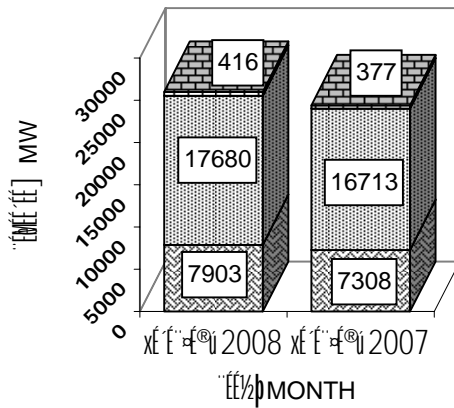
**SALIENT FEATURES OF NORTHERN REGIONAL POWER GRID**

Sl.No.	FEATURES	Nov.08	Nov.07	CHANGE	FEATURES
1	Installed Capacity (MW)	38783.20	36847.01	1936.19	Installed Capacity (MW)
2	Requirement (MW)	31072	29043	2029.00	Requirement (MW)
3	Availability (MW)	26224	26132	92.00	Availability (MW)
4	<b>Shortage(MW)</b>	<b>4848</b>	<b>2911</b>	<b>1937.00</b>	<b>Shortage(MW)</b>
5	% Shortage	15.60	10.02	5.58	% Shortage
6	Requirement (MU/day)	594.34	552.21	42.13	Requirement (MU/day)
7	Availability (MU/day)	522.70	490.43	32.27	Availability (MU/day)
8	<b>Shortage(MU/day)</b>	<b>71.64</b>	<b>61.78</b>	<b>9.86</b>	<b>Shortage(MU/day)</b>
9	% Shortage	12.05	11.19	0.87	% Shortage
10	<b>Generation (MU/day)</b>				<b>Generation (MU/day)</b>
	Hydro	104.69	80.74	23.95	Hydro
	Coal	381.49	357.73	23.76	Coal
	Gas	57.88	51.16	6.72	Gas
	Nuclear	9.51	8.90	0.61	Nuclear
	<b>Total (MU/day)</b>	<b>559.72</b>	<b>503.14</b>	<b>56.58</b>	<b>Total (MU/day)</b>
	Export(MU/day)	21.80	5.57	16.23	Export(MU/day)
	Import(MU/day)	36.99	46.10	-9.11	Import(MU/day)
	<b>Net Exp. (-) / Net Imp. (+) (MU/day)</b>	<b>15.19</b>	<b>40.53</b>	<b>-25.34</b>	<b>Net Exp. (-) / Net Imp. (+) (MU/day)</b>
11	<b>Generation(on peak day at Peak Hr)</b>				<b>Generation(on peak day at Peak Hr)</b>
	Hydro	7903	7308	595.00	Hydro
	Coal	15251	14509	742.00	Coal
	Gas	2429	2204	225.00	Gas
	Nuclear	416	377	39.00	Nuclear
	<b>Total (MW)</b>	<b>26012</b>	<b>24398</b>	<b>1614.00</b>	<b>Total (MW)</b>
	<b>Inter-regional transfer (At Peak Hr.)</b>				<b>Inter-regional transfer (At Peak Hr.)</b>
	Export(MW)	973	0	973	Export(MW)
	Import(MW)	1185	1734	-549	Import(MW)
	<b>Net Export (-) / Import (+) (MW)</b>	<b>212</b>	<b>1734</b>	<b>-1522</b>	<b>Net Export (-) / Import (+) (MW)</b>
12	<b>Levels of Major Reservoirs on the last day of the month(Mtrs.)</b>				<b>Levels of Major Reservoirs on the last day of the month(Mtrs.)</b>
i	Bhakra	505.66	497.92	7.74	Bhakra
ii	Pong	418.33	404.67	13.66	Pong
iii	Rihand	260.30	258.68	1.62	Rihand
iv	Rana Pratap Sagar	350.32	351.68	-1.36	Rana Pratap Sagar
v	Gandhi Sagar	385.95	393.95	-8.00	Gandhi Sagar

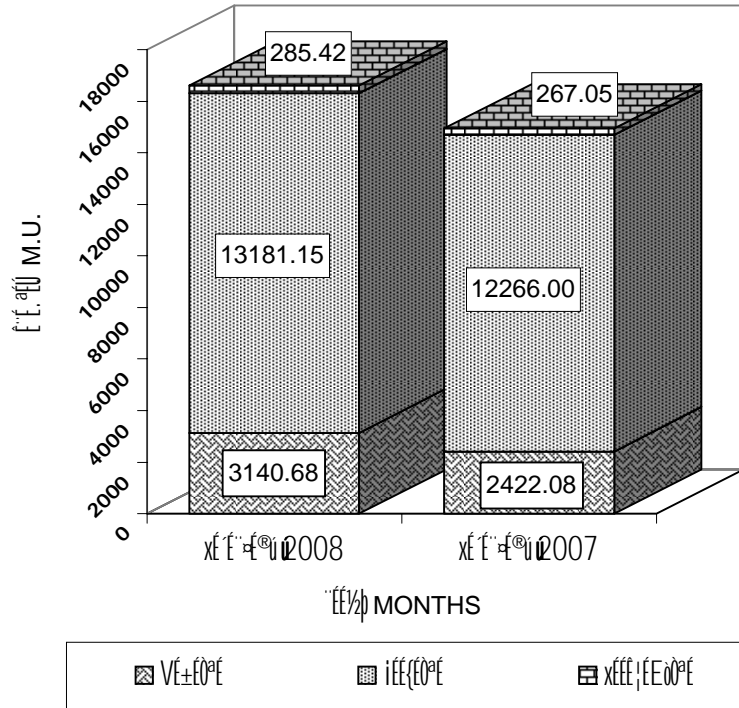
उत्तरी पाँवर ग्रिड की संस्थापित क्षमता  
INSTALLED CAPACITY OF NORTHERN  
POWER GRID



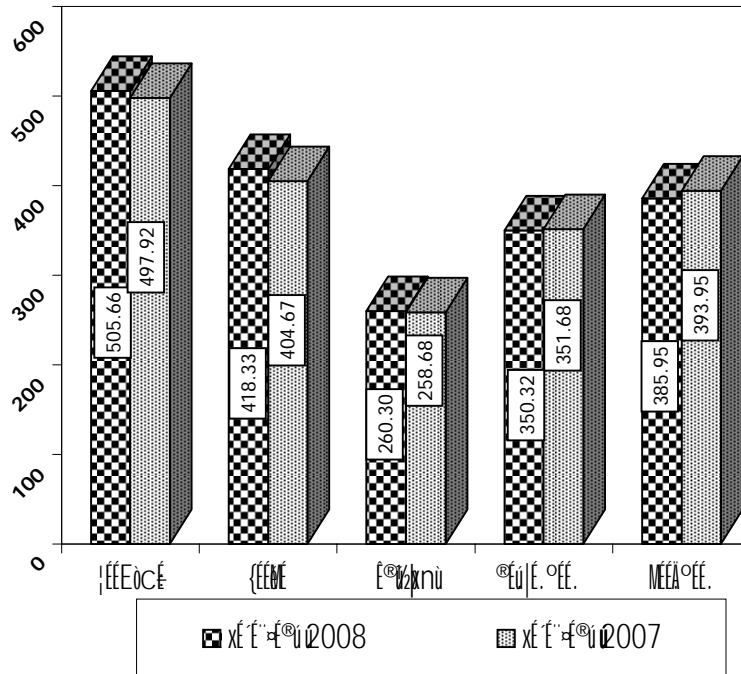
उच्चतम उपलब्धता पर उत्पादन  
GENERATION AT PEAK AVAILABILITY



कुल उत्पादित विद्युत  
GROSS ENERGY GENERATION



माह के अन्तिम दिन मुख्य जलाशयों का दर्ज किया गया स्तर  
LEVELS RECORDED ON MONTH'S LAST DAY  
IN MAJOR HYDRO RESERVOIRS (Mtrs.)





**POWER SUPPLY POSITION IN NORTHERN REGION DURING CURRENT YEAR  
AS COMPARED TO PREVIOUS YEAR**

+ . + f e f i e > o v e e c ( x e a )

**A. AVERAGE ENERGY (NET)**

f e f i p	2 0 0 8 - 2 0 0 9					2 0 0 7 - 2 0 0 8			MONTH
	REQUIREMENT (MU/DAY)	AVAILABILITY (MU/DAY)	SHORTAGE (MU/DAY)	% SHORTAGE	AVERAGE FREQUENCY (Hz)	REQUIREMENT (MU/DAY)	AVAILABILITY (MU/DAY)	AVERAGE FREQUENCY (Hz)	
+	557.68	480.29	77.39	13.88	49.22	547.09	504.79	49.33	APRIL
- <	592.01	535.36	56.65	9.57	49.64	588.69	555.22	49.63	MAY
V E N E	616.21	571.75	44.46	7.22	49.56	644.58	601.83	49.66	JUNE
V E A E E <	700.25	624.70	75.55	10.79	49.31	655.21	611.82	49.69	JULY
+ M E O I E	657.89	610.58	47.31	7.19	49.55	667.92	617.09	49.61	AUGUST
E O F I E f e a u	664.56	592.87	71.69	10.79	49.40	627.27	578.10	49.66	SEPTEMBER
+ C ] f e a u	637.10	568.86	68.24	10.71	49.41	575.41	512.29	49.37	OCTOBER
X E f e a u	594.34	522.70	71.64	12.05	49.53	552.21	490.43	49.29	NOVEMBER
E n P E f e a u						571.02	492.00	49.29	DECEMBER
V E X E f e a u						598.03	496.89	49.22	JANUARY
j o u f e a u						607.66	501.76	49.20	FEBRUARY
E E S E C						597.42	506.35	49.21	MARCH

f e . = S S E I E E E N E

**B. PEAK DEMAND**

f e f i p	2 0 0 8 - 2 0 0 9					2 0 0 7 - 2 0 0 8			MONTH
	REQUIREMENT (MW)	AVAILABILITY (MW)	SHORTAGE (MW)	% SHORTAGE	AVERAGE FREQUENCY (Hz)	REQUIREMENT (MW)	AVAILABILITY (MW)	AVERAGE FREQUENCY (Hz)	
+	30863	25564	5299	17.17	49.22	29284	26081	49.33	APRIL
- <	31438	27264	4174	13.28	49.64	30194	27504	49.63	MAY
V E N E	32004	27826	4178	13.05	49.56	33077	29297	49.66	JUNE
V E A E E <	35393	30287	5106	14.43	49.31	33412	29957	49.69	JULY
+ M E O I E	34530	29443	5087	14.73	49.55	33044	29804	49.61	AUGUST
E O F I E f e a u	34734	29136	5598	16.12	49.40	32620	29194	49.66	SEPTEMBER
+ C ] f e a u	32565	28376	4189	12.86	49.41	29706	26080	49.37	OCTOBER
X E f e a u	31072	26224	4848	15.60	49.53	29043	26132	49.29	NOVEMBER
E n P E f e a u						29787	25364	49.29	DECEMBER
V E X E f e a u						31848	26097	49.22	JANUARY
j o u f e a u						31617	26102	49.20	FEBRUARY
E E S E C						30755	25913	49.21	MARCH



INSTALLED CAPACITY (IN MW) OF POWER UTILITIES IN THE STATES/UTS LOCATED IN NORTHERN REGION  
 INCLUDING ALLOCATED SHARES IN JOINT & CENTRAL SECTOR UTILITIES  
 (As on 30-11-08, as per CEA )

State	Ownership Sector	Modewise breakup			Total Thermal	Nuclear	Hydro (Renewable)	RES ( MNRE)	Grand Total
		Thermal							
		Coal	Gas	Diesel					
Delhi	State	320.00	600.40	0.00	920.40	0.00	0.00	0.00	920.40
	Private	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Central	1920.50	204.30	0.00	2124.80	47.08	585.06	0.00	2756.94
	Sub-Total	2240.50	804.70	0.00	3045.20	47.08	585.06	0.00	3677.34
Haryana	State	2202.50	0.00	3.92	2206.42	0.00	884.24	62.70	3153.36
	Private	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00
	Central	375.57	532.04	0.00	907.61	76.16	447.16	0.00	1430.93
	Sub-Total	2578.07	532.04	3.92	3114.03	76.16	1331.40	68.70	4590.29
Himachal	State	0.00	0.00	0.13	0.13	0.00	393.60	185.12	578.85
	Private	0.00	0.00	0.00	0.00	0.00	386.00	0.00	386.00
	Central	95.41	60.89	0.00	156.30	14.08	761.24	0.00	931.62
	Sub-Total	95.41	60.89	0.13	156.43	14.08	1540.84	185.12	1896.47
Jammu & Kashmir	State	0.00	175.00	8.94	183.94	0.00	780.00	111.83	1075.77
	Private	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Central	198.59	127.09	0.00	325.68	68.00	689.50	0.00	1083.18
	Sub-Total	198.59	302.09	8.94	509.62	68.00	1469.50	111.83	2158.95
Punjab	State	2630.00	0.00	0.00	2630.00	0.00	2319.82	123.90	5073.72
	Private	0.00	0.00	0.00	0.00	0.00	0.00	37.57	37.57
	Central	546.21	259.72	0.00	805.93	151.04	711.75	0.00	1668.72
	Sub-Total	3176.21	259.72	0.00	3435.93	151.04	3031.57	161.47	6780.01
Rajasthan	State	2545.00	443.80	0.00	2988.80	0.00	987.84	30.25	4006.89
	Private	0.00	0.00	0.00	0.00	0.00	0.00	696.05	696.05
	Central	567.49	217.74	0.00	785.23	469.00	468.98	0.00	1723.21
	Sub-Total	3112.49	661.54	0.00	3774.03	469.00	1456.82	726.30	6426.15
Uttar Pradesh	State	4120.00	0.00	0.00	4120.00	0.00	527.40	25.10	4672.50
	Private	0.00	0.00	0.00	0.00	0.00	0.00	377.88	377.88
	Central	2373.31	541.16	0.00	2914.47	203.72	1078.09	0.00	4196.28
	Sub-Total	6493.31	541.16	0.00	7034.47	203.72	1605.49	402.98	9246.66
Uttarakhand	State	0.00	0.00	0.00	0.00	0.00	1248.25	109.92	1358.17
	Private	0.00	0.00	0.00	0.00	0.00	400.00	0.05	400.05
	Central	232.80	68.25	0.00	301.05	16.28	307.48	0.00	624.81
	Sub-Total	232.80	68.25	0.00	301.05	16.28	1955.73	109.97	2383.03
Chandigarh	State	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Private	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Central	26.51	15.07	0.00	41.58	4.84	47.04	0.00	93.46
	Sub-Total	26.51	15.07	0.00	41.58	4.84	47.04	0.00	93.46
	Central - UA	713.61	285.73	0.00	999.34	129.80	401.70	0.00	1530.84
Total	State	11817.50	1219.20	12.99	13049.69	0.00	7141.15	648.82	20839.66
Northern Region	Private	0.00	0.00	0.00	0.00	0.00	786.00	1117.55	1903.55
	Central	7050.00	2311.99	0.00	9361.99	1180.00	5498.00	0.00	16039.99
	<b>Grand Total</b>	<b>18867.50</b>	<b>3531.19</b>	<b>12.99</b>	<b>22411.68</b>	<b>1180.00</b>	<b>13425.15</b>	<b>1766.37</b>	<b>38783.20</b>

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**PERFORMANCE OF GENERATING STATIONS IN THE NORTHERN REGION DURING THE MONTH OF NOVEMBER 2008**

ÉtÉ E@pU	°EIEIEÉ IE EIEE (MWE E) ) INSTALLED CAPACITY (MW)	IEIEÉ IE EIEE (MWE E) ) EFFECTIVE CAPACITY (MW)	OEÉ (E.E. °E.) GROSS MU	ÉEÉ (E.E. °E.) NET MU	COMMULATIVE FROM 01.04.2008 (GROSS MU)	COMMULATIVE FROM 01.04.2008 (NET MU)	POWER STATION	
<b>1. E@pE °E]E</b>								
<b>1.CENTRAL SECTOR</b>								
<b>NTPC</b>								
ÉnE°E IE. E.E.É.								
ÉnE°E IE. E.E.É.	3x100 + 2x210	720.00	705.00	391.27	352.14	3586.03	3227.43	Badarpur TPS
ÉnE°E IE. E.E.É.	5x200 + 2x500	2000.00	2000.00	1355.77	1220.19	10302.75	9272.48	Singrauli STPS
ÉnE°E IE. E.E.É.	2x500+2x500	2000.00	2000.00	1406.95	1266.26	11022.78	9920.50	Rihand STPS
ÉnE°E IE. E.E.É.	4x210	840.00	840.00	626.62	563.96	4799.14	4319.23	Dadri NCTPS
>NTE°E IE. E.E.É.	2x210	420.00	420.00	306.32	275.69	2087.60	1878.84	Unchahar TPS Stage-1
>NTE°E IE. E.E.É.	2x210	420.00	420.00	314.92	283.43	2362.49	2126.24	Unchahar TPS Stage-2
>NTE°E IE. E.E.É.	1X210	210.00	210.00	23.47	21.12	1075.04	967.54	Unchahar TPS Stage-3
ÉnE°E IE. E.E.É.	4x110	440.00	440.00	259.02	233.12	2171.19	1954.07	Tanda TPS
<b>E@E °E. E.E.É.</b>	<b>7050.00</b>	<b>7035.00</b>	<b>4684.34</b>	<b>4215.91</b>	<b>37407.02</b>	<b>33666.32</b>	<b>Total Coal</b>	
+x) É. E.E.É.	3x88 + 1x149	413.00	413.00	244.43	241.99	1615.13	1598.98	Anta GPS
+É°E IE. E.E.É.	4x112 + 2x102	652.00	652.00	337.85	334.47	2388.47	2364.59	Auraiya GPS
ÉnE°E IE. E.E.É.	4x131 + 2x146.5	817.00	817.00	435.61	431.25	3485.05	3450.20	Dadri GPS
ÉnE°E IE. E.E.É.	2x143+1x144	430.00	430.00	145.34	143.89	1596.54	1580.57	Faridabad GPS
<b>E@E IE. E.E.É.</b>	<b>2312.00</b>	<b>2312.00</b>	<b>1163.23</b>	<b>1151.60</b>	<b>9085.19</b>	<b>8994.34</b>	<b>Total Gas</b>	
<b>E@E °E. E.E.É.</b>	<b>9362.00</b>	<b>9347.00</b>	<b>5847.57</b>	<b>5367.50</b>	<b>46492.21</b>	<b>42660.66</b>	<b>Total NTPC</b>	
<b>NHPC</b>								
ÉnE°E IE. E.E.É.	3 x 66	198.00	180.00	18.70	18.55	564.43	558.34	Baira Siul HPS
ÉnE°E IE. E.E.É.	3 x 115 + 3x115	690.00	690.00	98.03	97.78	2550.84	2532.14	Salal HPS
ÉnE°E IE. E.E.É.	3 x 40	120.00	94.20	35.36	35.12	352.43	349.45	Tanakpur HPS
SE É°E IE. E.E.É.	3 x 180	540.00	540.00	58.82	58.95	1877.89	1863.81	Chamera HPS-Stg I
SE É°E IE. E.E.É.	3x100	300.00	300.00	53.30	53.14	1211.14	1201.68	Chamera HPS-Stg II
=°E IE. E.E.É.	4 x 120	480.00	480.00	110.71	109.16	2037.24	2016.45	Uri HPS
-É°E (É°E) ( IE. E.E.É.	4x70	280.00	280.00	57.55	56.92	989.92	979.80	Dhauliganga HPS
ÉnE°E IE. E.E.É.	3x130	390.00	390.00	122.67	121.34	1837.61	1819.27	Dulhasti HPS
<b>E@E °E. E.E.É.</b>	<b>2998.00</b>	<b>2954.20</b>	<b>555.14</b>	<b>550.96</b>	<b>11421.50</b>	<b>11320.94</b>	<b>Total NHPC</b>	
<b>NPC</b>								
ÉnE°E IE. E.E.É.	1x100+1x200	300.00	300.00	0.00	0.00	0.00	0.00	RAPS-A (# 1&2)
ÉnE°E IE. E.E.É.	2x220	440.00	440.00	204.03	175.27	1472.48	1252.32	RAPS-B (# 3&4)
ÉnE°E IE. E.E.É.	2x220	440.00	440.00	81.39	65.90	597.59	474.42	NAPS (#1 & 2)
<b>E@E IE. E.E.É.</b>	<b>1180.00</b>	<b>1180.00</b>	<b>285.42</b>	<b>241.17</b>	<b>2070.06</b>	<b>1726.74</b>	<b>Total NPC</b>	
<b>2. °E@E °E]E</b>								
<b>2.JOINT SECTOR</b>								
<b>BBMB</b>								
ÉnE°E IE. E.E.É.	5x108	540.00	540.00	129.56		1204.05		Bhakra (Left)
ÉnE°E IE. E.E.É.	5x157	785.00	785.00	241.32		1830.98		Bhakra (Right)
ÉnE°E IE. E.E.É.	1x29.25 + 2x24.20	77.65	77.65	41.716		184.31		Ganguwal
ÉnE°E IE. E.E.É.	1x29.25 + 2x24.20	77.65	77.65	43.69		241.76		Kotla
ÉnE°E IE. E.E.É.		1480.30	1480.30	456.29	451.80	4556.10	4504.40	Total Bhakra Complex
ÉnE°E IE. E.E.É.	6 x 165	990.00	990.00	147.50	144.80	2708.43	2660.46	Dehar HPS
ÉnE°E IE. E.E.É.	6x66	396.00	396.00	201.25	199.49	839.87	830.16	Pong HPS
<b>E@E IE. E.E.É.</b>	<b>2866.30</b>	<b>2866.30</b>	<b>805.04</b>	<b>796.09</b>	<b>8104.40</b>	<b>7995.02</b>	<b>Total BBMB</b>	
<b>SJVNL</b>								
ÉnE°E IE. E.E.É.	6x250	1500.00	1500.00	316.97	313.97	5707.92	5654.29	Nathpa Jhakri HPS
<b>THDC Ltd.</b>								
ÉnE°E IE. E.E.É.	4x250	1000.00	1000.00	154.85	152.99	2259.00	2231.87	Tehri HPP





एतत्कं नाम	उत्पत्ति (मेगावाट)	उत्पत्ति (मेगावाट)	उत्पत्ति (मेगावाट)	उत्पत्ति (मेगावाट)	उत्पत्ति (मेगावाट)	उत्पत्ति (मेगावाट)	उत्पत्ति (मेगावाट)	उत्पत्ति (मेगावाट)
	INSTALLED CAPACITY(MW)	EFFECTIVE CAPACITY (MW)	GROSS MU	NET MU	COMMULATIVE FROM 01.04.2008 (GROSS MU)	COMMULATIVE FROM 01.04.2008 (NET MU)	POWER STATION	
<b>8 उत्तर प्रदेश</b>								
<b>HYDRO</b>								
रिहंद	6x50	300.00	300.00	44.53	303.92		Rihand	
ओब्रा	3x33	99.00	99.00	16.29	117.39		Obra	
माताटिला	3x10.2	30.60	30.60	16.96	85.17		Matatila	
खारा	3x24	72.00	72.00	25.67	282.86		Khara	
<b>कुल</b>		<b>501.60</b>	<b>501.60</b>	<b>103.46</b>	<b>789.34</b>	<b>781.44</b>	<b>Total Hydro</b>	
<b>COAL</b>								
ओब्रा स्टाग-1	2x50	100.00	40.00	433.04	3431.32		Obra Stg.-1	
ओब्रा स्टाग-2	3x100	300.00	282.00			Obra Stg.-2		
ओब्रा स्टाग-3&4	5x200	1000.00	1000.00			Obra Stg.-3&4		
पंकी स्टाग-2	2x110	220.00	210.00			126.47	813.02	Panki Stg.-2.
हार्दुआगंज -B	1x55+1x50	105.00	95.00	52.02	461.55		Harduaganj -B	
हार्दुआगंज -C	1x110+2x60	230.00	225.00	309.55	1859.85		Harduaganj- C	
पारिच्छा	2x110+2X210	640.00	640.00			Parichha		
अनपरा -स्टाग.1	3x210	630.00	630.00			Anpara -Stg.1		
अनपरा -स्टाग.2	2x500	1000.00	1000.00	997.47	7627.65		Anpara - Stg.2	
<b>कुल</b>		<b>4225.00</b>	<b>4122.00</b>	<b>1918.55</b>	<b>1688.33</b>	<b>14193.39</b>	<b>12490.18</b>	<b>Total Coal</b>
<b>R.E.S</b>								
स्टेट		25.10		51.00	51.00	625.00	625.00	State
आईपीपी		377.88						IPP
<b>कुल</b>		<b>5129.58</b>	<b>4623.60</b>	<b>2073.01</b>	<b>1841.75</b>	<b>15607.73</b>	<b>13896.62</b>	<b>Total UP</b>
<b>Total Regional Hydro*</b>								
कुल क्षेत्रीय 'कोयला				3140.68	3115.82	41340.16	40946.95	Total Regional Hydro*
कुल क्षेत्रीय गैस				11444.64	10303.09	86306.00	77449.15	Total Regional Coal*
कुल क्षेत्रीय डीजल				1736.51	1710.17	13361.07	13153.91	Total Regional Gas*
कुल क्षेत्रीय थर्मल				0.00	0.00	0.00	0.00	Total Regional Diesel*
कुल क्षेत्रीय न्यूक्लियर				13181.15	12013.27	99667.06	90603.05	Total Regional Thermal*
कुल क्षेत्रीय R.E.S*				285.42	241.17	2070.06	1726.74	Total Regional Nuclear*
कुल क्षेत्रीय R.E.S*				184.48	184.31	1801.67	1800.18	Total Regional R.E.S*
<b>कुल</b>				<b>16791.73</b>	<b>15554.56</b>	<b>144878.96</b>	<b>135076.92</b>	<b>TOTAL REGIONAL *</b>

NOTE : [ ] ( )

- (a) The auxiliary consumption for hydro and gas units of state sector has been taken as 1% and 3%.
- (b) The auxiliary consumption for coal fired units in the state sector has been assumed at 12% for UP and 10% for rest coal fired units.
- (c) RES=Renewable Energy Sources includes SHP(Small Hydro Project) ,wind power, BG(Biomass Gasifier), BP(Biomass Power),U&I(Urban & Industrial Waste Power)

PLANT LOAD FACTOR (PLF) OF THERMAL/GAS/NUCLEAR POWER STATIONS IN NORTHERN REGION DURING THE MONTH OF NOVEMBER, 2008

**PLANT LOAD FACTOR (PLF) OF THERMAL/GAS/NUCLEAR POWER STATIONS  
IN NORTHERN REGION DURING THE MONTH OF NOVEMBER, 2008**

Sl. No.	Station Name	Effective Capacity (MW)	Gen. Of the month (MU)	PLF of the month (%)	01.04.2008 Gen. since 01.04.2008 (MU)	01.04.2008 PLF since 01.04.2008 (%)	Power Station
<b>CENTRAL SECTOR</b>							
1	<b>Thermal</b>						<b>NTPC</b>
	Badarpur TPS	705.00	391.27	77.08	3586.03	86.86	Badarpur TPS
	Singrauli STPS	2000.00	1355.77	94.15	10302.75	87.97	Singrauli STPS
	Rihand STPS	2000.00	1406.95	97.70	11022.78	94.12	Rihand STPS
	Dadri NCTPS	840.00	626.62	103.61	4799.14	97.56	Dadri NCTPS
	Unchahar TPS Stg-I	420.00	306.32	101.30	2087.60	84.88	Unchahar TPS Stg-I
	Unchahar TPS Stg-II	420.00	314.92	104.14	2362.49	96.05	Unchahar TPS Stg-II
	Unchahar TPS Stg-III	210.00	23.47	15.52	1075.04	87.42	Unchahar TPS Stg-III
	Tanda TPS	440.00	259.02	81.76	2171.19	84.26	Tanda TPS
	<b>Total Thermal</b>	<b>7035.00</b>	<b>4684.34</b>	<b>92.48</b>	<b>37407.02</b>	<b>90.80</b>	<b>Total Thermal</b>
	<b>Gas</b>						
	Anta GPS	413.00	244.43	82.20	1615.13	66.78	Anta GPS
	Auraiya GPS	652.00	337.85	71.97	2388.47	62.56	Auraiya GPS
	Dadri GPS	817.00	435.61	74.05	3485.05	72.84	Dadri GPS
	Faridabad GPS	430.00	145.34	46.94	1596.54	63.40	Faridabad GPS
	<b>Total Gas</b>	<b>2312.00</b>	<b>1163.23</b>	<b>69.88</b>	<b>9085.19</b>	<b>67.10</b>	<b>Total Gas</b>
	<b>Total NTPC</b>	<b>9347.00</b>	<b>5847.57</b>	<b>86.89</b>	<b>46492.21</b>	<b>84.94</b>	<b>Total NTPC</b>
2	<b>Nuclear</b>						<b>NPC</b>
	RAPS-A	300.00	0.00	0.00	0.00	0.00	RAPS-A
	RAPS-B	440.00	204.03	64.40	1472.48	57.15	RAPS-B
	NAPS	440.00	81.39	25.69	597.59	23.19	NAPS
	<b>Total NPC</b>	<b>1180.00</b>	<b>285.42</b>	<b>33.60</b>	<b>2070.06</b>	<b>29.96</b>	<b>Total NPC</b>
	<b>Total Central Sector</b>	<b>10527.00</b>	<b>6132.99</b>	<b>80.92</b>	<b>48562.27</b>	<b>78.78</b>	<b>Total Central Sector</b>
<b>STATE SECTOR</b>							
1	<b>Delhi</b>						<b>DELHI</b>
	Inder Prastha TPS	247.50	61.98	34.78	591.53	40.81	Inder Prastha TPS
	Rajghat TPS	135.00	76.42	78.62	581.28	73.53	Rajghat TPS
	<b>Total Thermal</b>	<b>382.50</b>	<b>138.40</b>	<b>50.25</b>	<b>1172.81</b>	<b>52.36</b>	<b>Total Thermal</b>
	<b>Gas</b>						
	Gas Turbine	270.00	103.56	53.27	856.12	54.15	Gas Turbine
	Pragati Gas Turbine	330.40	220.80	92.81	1642.80	84.91	Pragati Gas Turbine
	<b>Total GAS</b>	<b>600.40</b>	<b>462.75</b>	<b>107.05</b>	<b>2498.92</b>	<b>71.07</b>	<b>Total GAS</b>
	<b>Total Delhi</b>	<b>982.90</b>	<b>601.15</b>	<b>84.95</b>	<b>3671.72</b>	<b>63.79</b>	<b>Total Delhi</b>
2	<b>Haryana</b>						<b>HARYANA</b>
	Faridabad TPS	165.00	28.81	24.25	325.83	33.72	Faridabad TPS
	Panipat TPS	1360.00	865.00	88.34	6084.81	76.40	Panipat TPS
	DCRTPP (Yamunanagar)	600.00	293.71	67.99	1835.43	52.24	DCRTPP (Yamunanagar)
	<b>Total Thermal</b>	<b>2125.00</b>	<b>1187.51</b>	<b>77.62</b>	<b>8246.07</b>	<b>66.27</b>	<b>Total Thermal</b>
	<b>Total Haryana</b>	<b>2125.00</b>	<b>1187.51</b>	<b>77.62</b>	<b>8246.07</b>	<b>66.27</b>	<b>Total Haryana</b>

Go t oE S.No.	E t oE Eo pu	Effective Capacity (MW)	Gen. Of the month (MU)	PLF of the month (%)	01.04.2008 %a =i(ttrnt (E t. oE)	01.04.2008 %a (t0.B.t.E.B.j0. PLF since 01.04.2008 (%)	Power Station
3	VE' EU' E oM'E tOpu (E (E tpu VEO.) 0.	175.00	0.00	0.00	0.28	0.03	J&K Pampore Gas Turbine
	E0.tE VE' EU' E oM'E tOpu	<b>175.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.28</b>	<b>0.03</b>	<b>Total J&amp;K</b>
4	(OWE' E E] 0x0E iEE.E.E.a. oE]C-E.E.,E.a. tE]pE' E tE]pE' iEE.E.E.E.a.	400.00 1260.00 920.00	236.50 815.58 583.76	82.12 89.90 88.13	1921.04 6481.64 3241.26	82.01 87.84 60.16	PUNJAB GNDTPS (Bhatinda) GGSTPS (Ropar) Lehra Mohabat TPS
	E0.tE (OWE' E	<b>2580.00</b>	<b>1635.84</b>	<b>88.06</b>	<b>11643.94</b>	<b>77.07</b>	<b>Total Punjab</b>
5	oM'E' tEE' E E tE] 0E iEE.E.E.E.a. oE]pE]M'Co iEE.E.E.E.E.a. x 0, 0>0 Y00. >0. 0.	1045.00 1250.00 125.00 <b>2420.00</b>	757.03 898.71 44.46 <b>1700.20</b>	100.62 99.86 49.40 <b>97.58</b>	5637.63 6269.32 241.93 <b>12148.88</b>	92.13 85.65 33.05 <b>85.73</b>	RAJASTHAN Kota TPS Suratgarh TPS Giral TPS <b>Total Thermal</b>
	oE] tM'Co VEO.) 0. -00.0 0u -08. 00. 0>0 (00)	110.50 330.00 <b>440.50</b>	27.93 221.00 <b>248.93</b>	35.10 93.01 <b>78.49</b>	221.49 1555.19 <b>1776.68</b>	34.23 80.48 <b>68.88</b>	Ramgarh Gas Turbine Dholpur CCGT <b>Total GAS</b>
	E0.tE oM'E' tEE' E	<b>2860.50</b>	<b>1949.13</b>	<b>94.64</b>	<b>13925.56</b>	<b>83.13</b>	<b>Total Rajasthan</b>
6	=kE' ]E nM'E + E tE' oE (E tE tE) -2 %pE n0- E nOWE (E tE tE) S U tE + xE (E tE' oE	1322.00 210.00 320.00 640.00 1630.00	433.04 126.47 52.02 309.55 997.47	45.50 83.65 22.58 67.18 84.99	3431.32 813.02 461.55 1859.85 7627.65	44.32 66.11 24.63 49.62 79.91	UTTAR PRADESH Obra Panki Stg.2 Harduaganj Parichha Anpara
	E0.tE =kE' ]E nM'E	<b>4122.00</b>	<b>1918.55</b>	<b>64.64</b>	<b>14193.39</b>	<b>58.80</b>	<b>Total U.P. (Thermal)</b>
	oM'E' oE] tE] pE] M'E tE] pE oM'E' oE] tE] pE] iEE] tE] pE E0.tE oM'E' oE] tE] pE	<b>885.90</b> <b>11629.50</b> <b>12515.40</b>	<b>490.68</b> <b>6580.51</b> <b>7071.18</b>	<b>76.93</b> <b>78.59</b> <b>78.47</b>	<b>2720.69</b> <b>47405.08</b> <b>50125.77</b>	<b>52.44</b> <b>69.61</b> <b>68.39</b>	State Sector (Gas) State Sector (Thermal) State Sector (Total)
	tE] E (iEE] tE] pE)	<b>18664.50</b>	<b>11264.85</b>	<b>83.83</b>	<b>84812.10</b>	<b>77.60</b>	Region (Thermal)
	tE] E (M'E] tE] pE)	<b>3197.90</b>	<b>1653.91</b>	<b>71.83</b>	<b>11805.88</b>	<b>63.04</b>	Region (Gas )
	tE] E (xEE] tE] pE)	<b>1180.00</b>	<b>285.42</b>	<b>33.60</b>	<b>2070.06</b>	<b>29.96</b>	Region (Nuclear)
	E0.tE tE] E tE] pE	<b>23042.40</b>	<b>13204.18</b>	<b>79.59</b>	<b>98688.04</b>	<b>73.14</b>	<b>TOTAL REGIONAL</b>

**CONTRIBUTIONS FROM THE CONSTITUENTS OF NORTHERN REGION  
AT THE TIME OF REGIONAL PEAK DEMAND DURING THE MONTH OF NOVEMBER 2008**

DATE 06.11.08  
TIME 1900 Hrs.  
FREQUENCY 49.74 Hz.

(°E,ÉD +ÉEÖCà "ÉMÉÉÉ] ö "É)

Go É °É Sl.No.	°V°/É.°É. /  ÉÉÉÉÖ	=iÉÉÉÉÉ Generation from					ÉÖÉ TOTAL
		VE±ÉÖÉ Hydro	ÉÖÖ±ÉÉ VE±ÉÉ Coal fired	गैस जलित Gas fired	×ÉÉ;ÉÉÖÉ Nuclear	ÖÖÖ %üÖÖ Wind	
1	ÖÉ. iÉÉ. É.É. É.É.		490				490
2	ÉÉÖÉÖÉÖÉ. É.É.É.É.		1844				1844
3	ÉÖÖÖÖÖÖÖ. É.É.É.É.		2011				2011
4	>ÖÉÉ/ÖÖÖÖ. É.É.É.É.		873				873
5	ÖÖÖÖÖÖ. É.É.É.É.		809				809
6	ÖÖÖÖÖÖ. É.É.É.É.			607			607
7	+x]Ö ÖÉÉ.É.É.			387			387
8	+ÉÖÖÖÖÖ. É.É.É.É.			458			458
9	ÖÖÖÖÖÖ. É.É.É.É.			187			187
10	']ÖÖÖÖ. É.É.É.É.		301				301
11	ÖÉ. +É.>Ö.É.É.				286		286
12	×ÉÖÖÖÖ +É.>Ö.É.É.				130		130
13	ÉÉ.É.É.É.É.É.	1187					1187
14	ÖÖÖÖÖÖ. É.É.É.É.	495					495
15	ÉÉÖÖ. É.É.É.É.	330					330
16	ÖÖ. É.É.É.É.						0
16	ÖÉ±É±É. É.É.É.É.	108					108
17	]ÖÉÖÖÖÖ. É.É.É.É.	55					55
18	ÖÉ ÖÖÖ. É.É.É.É. 1,2	747					747
19	ÖÖÖÖÖÖ. É.É.É.É.	60					60
20	=ÖÖ. É.É.É.É.	220					220
21	-ÖÖÖÖÖÖÖÖÖÖÖÖ. Ö.Ö.Ö. Ö.	202					202
22	ÖÖÖÖÖÖÖÖÖÖÖÖ. Ö.Ö.Ö. Ö.	246					246
23	×ÉÉ(ÉÉÉ ZÉÉÖCÖ	1521					1521
24	É]. É.É.É.É.	900					900
25	ÖÖÖÖÖÖ	41	1603	0			1644
26	ÉÖÖÖÖÖ	161					161
27	ÖÉ. É.É.Ö	382		0			382
28	ÖÖÖÖÖÖ	381	2187				2568
29	ÖÖÖÖÖÖ	15	2193	335		13	2556
30	=.ÉÖÖÖÖ	252	2739				2991
31	ÖÖ. Ö. Ö. Ö. Ö	531					531
32	ÖÖÖÖÖÖ	0	201	455			656
33	ÖÖÖÖÖÖ	31					31
34	ÖÖÖÖÖÖ	38					38
	ÉÉÉ	7903	15251	2429	416	13	26012
	+x°É ÉÉÉÖÖ ÖÖÖ +ÉÖÖÖÖ						1185
	+x°É ÉÉÉÖÖ ÖÖÖÖÖÖÖÖÖ						973
	ÉÖÖÖÖÖÖ +ÉÖÖÖÖ						212
	ÖÖÖÖ =ÖÖÖÖÖÖ						26224

**HOURLY LOAD - GENERATION DATA OF THE REGION FOR PEAK DAY**  
**06.11.08**

PEAK HOURS	HYDRO GENERATION (MW)	NUCLEAR GENERATION (MW)	GAS FIRED GENERATION (MW)	COAL FIRED GENERATION (MW)	TOTAL GENERATION (MW)	TOTAL EXCHANGE (MW)	AVAILABILITY (MW)	REGULATED LOAD (MW)*	LOAD SHEDDING (MW)	REGULATED DEMAND (MW) \$	RES. DEMAND (AVAIL.+L/S)(MW) #
01	3832	419	1948	15650	21849	-678	22527	22819	2037	24856	24564
02	3285	419	2123	15662	21489	-894	22383	22428	1852	24280	24235
03	3251	421	2078	15712	21462	-573	22035	22132	1987	24119	24022
04	3314	421	2234	15666	21635	-365	22000	22403	2708	25111	24708
05	4503	420	2136	15734	22793	-8	22801	23228	2331	25559	25132
06	5030	422	2391	15704	23547	-405	23952	24531	3166	27697	27118
07	5460	415	2507	15729	24111	-1016	25127	25703	2728	28431	27855
08	5191	423	2485	15480	23579	-803	24382	24718	2761	27479	27143
09	4536	420	2522	15464	22942	-1060	24002	24522	2430	26952	26432
10	4540	420	2495	15499	22954	-756	23710	24273	3092	27365	26802
11	4893	422	2449	15572	23336	-897	24233	24829	3387	28216	27620
12	5390	420	2195	15523	23528	-205	23733	24337	4109	28446	27842
13	4265	411	2337	15571	22584	-816	23400	23975	4059	28034	27459
14	3681	418	2265	15643	22007	-714	22721	23261	3198	26459	25919
15	3949	413	2279	15573	22214	-580	22794	23374	4040	27414	26834
16	3954	414	2305	15583	22256	81	22175	22683	3345	26028	25520
17	4080	414	2399	15560	22453	24	22429	23247	3346	26593	25775
18	6736	419	2194	15663	25012	77	24935	25126	4022	29148	28957
19	7903	416	2121	15572	26012	-212	26224	26500	4291	30791	30515
20	6465	419	2137	15594	24615	-397	25012	25254	3939	29193	28951
21	5437	423	2089	15585	23534	-771	24305	24551	3770	28321	28075
22	5070	421	2008	15610	23109	-79	23188	23603	3658	27261	26846
23	5067	420	2025	15479	22991	-238	23229	23473	2743	26216	25972
24	4532	424	2046	15405	22407	-690	23097	23588	2759	26347	25856

**HOURLY LOAD - GENERATION DATA OF THE REGION FOR OFF PEAK DAY**  
**20.11.08**

PEAK HOURS	HYDRO GENERATION (MW)	NUCLEAR GENERATION (MW)	GAS FIRED GENERATION (MW)	COAL FIRED GENERATION (MW)	TOTAL GENERATION (MW)	TOTAL EXCHANGE (MW)	AVAILABILITY (MW)	REGULATED LOAD* (MW)	LOAD SHEDDING (MW)	REGULATED DEMAND (MW) \$	RES. DEMAND (AVAIL.+L/S)(MW) #
01	2434	396	2132	14883	19845	-387	20232	20511	517	21028	20749
02	2220	396	2119	14914	19649	-107	19756	19756	542	20298	20298
03	2031	393	1978	14881	19283	196	19087	19095	347	19442	19434
04	2093	398	1952	14866	19309	775	18534	18512	348	18860	18882
05	2818	389	1885	14336	19428	353	19075	19190	731	19921	19806
06	4321	393	2017	14337	21068	166	20902	21096	2216	23312	23118
07	5418	389	1946	14919	22672	-579	23251	23668	2802	26470	26053
08	5116	395	1951	15084	22546	-880	23426	23797	2606	26403	26032
09	4778	398	2143	15141	22460	-692	23152	23712	2527	26239	25679
10	4913	401	2148	15120	22582	-843	23425	23825	3242	27067	26667
11	4826	400	2172	15100	22498	-384	22882	23339	2375	25714	25257
12	4415	397	2176	15116	22104	-709	22813	23137	2165	25302	24978
13	3872	390	2133	14995	21390	-1060	22450	22558	2177	24735	24627
14	3476	398	2121	14945	20940	-846	21786	22194	1864	24058	23650
15	3523	389	2275	15000	21187	-484	21671	22077	2246	24323	23917
16	3124	385	2200	14924	20633	-245	20878	21097	1886	22983	22764
17	3735	391	2288	14953	21367	134	21233	21935	2515	24450	23748
18	6856	391	2228	15000	24475	363	24112	24385	2990	27375	27102
19	7502	389	2199	15024	25114	-389	25503	25605	3716	29321	29219
20	5934	393	2135	15116	23578	-454	24032	24324	3606	27930	27638
21	4595	399	2062	15175	22231	-346	22577	22935	3530	26465	26107
22	4222	396	2107	15221	21946	730	21216	21344	3861	25205	25077
23	3934	387	2082	15193	21596	181	21415	21415	1971	23386	23386
24	3518	391	2052	15375	21336	182	21154	21299	1987	23286	23141

Note Import (-) / Export (+)

\* Regulated Load is recorded load with frequency correction ( 3% per Hz for peak hours and 4% per Hz for other hours)

\$ Regulated Demand is regulated load plus load shedding

# Res. Demand is availability plus load shedding

**NOTIFIED POWER CUTS AND RESTRICTIONS DURING THE MONTH OF NOVEMBER 2008**

**1.Power Cut on Industries**

Sr.No.	State/UT	Industries	Energy Cut(MU/day)	Demand Cut(MW)	Restriction Timings	Remarks
1	CHANDIGARH	HT LT	No Notified Power Cut			
2	DELHI	HT/LT	No Notified Power Cut			
3	HARYANA	HT/LT	0 to 1	0-200	Different timings for Different days	
4	H.P	HT/LT	0.255	85	18.30 to 21.30	Peak Hrs.
5	PUNJAB	HT/LT	1.8	600	1830 to 2130 hrs	
			4.413	171 to 204 MW(avg.)	1 to 11 & 12 to 30 Nov. respectively	
6	RAJASTHAN	HT/LT	Nil	Nil		
7	UTTARANCHAL	HT/LT	No Notified Power Cut			
8	UTTAR PRADESH	HT/LT	No Notified Power Cut			

**2.Power Supply To Agriculture**

Sr.No.	State/UT	Three Phase	Supply Hrs. Per Day			Remarks
			Maximum	Minimum	Average	
1	CHANDIGARH		24 hrs			
2	DELHI		24 Hrs			
3	HARYANA	Three Phase	19.00	5.30	12.15	
4	HIMACHAL PRADESH		24hrs			
5	PUNJAB	Three Phase	11.63	4.32	6.99	
6	RAJASTHAN	Three Phase	13	10.3	11.45	
7	UTTARANCHAL	Three Phase	24	24	24	
8	UTTAR PRADESH		11.4	9.42	11.13	

Curtailment schedule of Jammu & Kashmir:-

Sr.No.	Category of Consumers	Power Cuts per day
1	Essential loads like Hospitals, Defence, PHE (Water Supplies), Irrigation etc.	No Cuts
2	Domestic, Commercial and mixed load feeders that have 100% consumer metering	No Cuts
3	Domestic, Commercial and mixed load feeders with partial or no consumer metering	9 Hrs and 30 minutes
4	Industrial Consumers in Organised Industrial Estates	3 hours to 8 hours, depending on system peak load demands and system constraints.

**PERCENTAGE SHARES AND ENTITLEMENTS OF NORTHERN REGION UTILITIES  
IN VARIOUS CENTRAL SECTOR GENERATING STATIONS**

**Summary**

**A. Allocations from N.R.** (All figures in %)

U.A.-Pooled (1399 MW \$) excluding RAPP #3&4				
State/UT	0-6 & 23-24 hrs	06-12 hrs	12-19 hrs	19-23 hrs
Chandigarh	5.00	5.00	6.00	7.00
Delhi	0.00	0.00	20.00	22.00
Haryana	22.00	22.00	16.00	16.00
H.P.	0.00	0.00	0.00	0.00
J & K	3.00	5.00	5.00	9.00
Punjab	24.00	23.00	16.00	9.00
Rajasthan	20.00	20.00	16.00	16.00
U.P.	26.00	25.00	21.00	21.00
Uttarakhand	0.00	0.00	0.00	0.00
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

U.A.(66 MW)- RAPS:B # 3 & 4				
State/UT	'00-06 & 23-24 hrs	06-12 hrs	12-19 hrs	19-23 hrs
Chandigarh	0	0	0	0
Delhi	0	0	2.5	3.182
Haryana	2.50	0	2.50	0
H.P.	0	0	0	0
J & K	0	0	0	0
Punjab	3.18	3.18	0.00	0.00
Rajasthan	5.91	8.41	7.50	8.41
U.P.	3.41	3.41	2.50	3.41
Uttarakhand	0	0	0	0
<b>Total</b>	<b>15.00</b>	<b>15.00</b>	<b>15.00</b>	<b>15.00</b>

\$ -UA of one(U5) machine of Kahalgaon STPS -II, has been included in Pooled UA  
UA of U6 & U7 machines of Kahalgaon stage-II will be included from COD

**PERCENTAGE SHARES AND ENTITLEMENTS OF NORTHERN REGION UTILITIES  
IN E.R. AND BHUTAN CENTRAL SECTOR GENERATING STATIONS**

B. Allocations from E.R. and Tala , HPS(Bhutan)

(All figures in %)

State/UT	Pre Tala allocations from Eastern Region			Allocations applicable after COD of 6 units of Tala						
	0000 - 2400 hrs			Add.allocation from E.R. Total allocations from E.R.						
	FARAKKA 1600 MW	K'GAON-I 840 MW	TALCHER 1000 MW	In lieu of Tala, HEP			0000 - 2400 hrs			0000-2400 hrs
			FARAKKA 1600 MW	K'GAON-I 840 MW	FARAKKA 1600 MW	K'GAON-I 840 MW	TALCHER 1000 MW	MEJIA # 6 250 MW	Tala, HEP (15% UA Power) 1020 MW (6 Units)	
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Delhi	0.00	0.00	0.00	2.30	9.45	2.30	9.45	0.00	11.76	
Haryana	0.00	0.00	0.00	1.14	4.73	1.14	4.73	0.00	5.88	
H.P.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
J & K	0.43	0.43	0.43	1.39	5.70	1.82	6.13	0.43	7.08	
Punjab	0.00	0.00	0.00	2.30	9.45	2.30	9.45	0.00	11.76	
Rajasthan	0.38	0.38	0.38	1.14	4.73	1.52	5.11	0.38	5.88	
U.P.	1.19	1.18	1.19	3.44	14.18	4.63	15.36	1.19	17.64	
Uttarakhand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Total</b>	<b>2.00</b>	<b>1.99</b>	<b>2.00</b>	<b>11.71</b>	<b>48.24</b>	<b>13.71</b>	<b>50.23</b>	<b>2.00</b>	<b>60.00</b>	

C. Kahalgaon-II (3\*500 MW = 1500 MW) Eastern Region: Revised allocation after COD of Kahalgaon STPP-II One Unit (500 MW)

(All figures in %)

State/UT	Share	00-06 & 23-24		06-12		12-19		19-23	
		U.A.	Entlmnt	U.A.	Entlmnt	U.A.	Entlmnt	U.A.	Entlmnt
Chandigarh	0.20	0.29	0.49	0.29	0.49	0.35	0.55	0.41	0.61
Delhi	10.89	0.00	10.89	0.00	10.89	1.17	12.06	1.29	12.18
Haryana	4.78	1.29	6.07	1.29	6.07	0.94	5.72	0.94	5.72
H.P.	1.53	0.00	1.53	0.00	1.53	0.00	1.53	0.00	1.53
J & K	5.80	0.18	5.98	0.29	6.09	0.29	6.09	0.53	6.33
Punjab	8.42	1.41	9.83	1.35	9.77	0.94	9.36	0.52	8.94
Rajasthan	7.31	1.17	8.48	1.17	8.48	0.94	8.25	0.94	8.25
U.P.	17.34	1.52	18.86	1.47	18.81	1.23	18.57	1.23	18.57
Uttarakhand	1.87	0.00	1.87	0.00	1.87	0.00	1.87	0.00	1.87
<b>Total</b>	<b>58.14</b>	<b>5.86</b>	<b>64.00</b>	<b>5.86</b>	<b>64.00</b>	<b>5.86</b>	<b>64.00</b>	<b>5.86</b>	<b>64.00</b>

**PERCENTAGE SHARES AND ENTITLEMENTS OF NORTHERN REGION UTILITIES IN VARIOUS CENTRAL SECTOR GENERATING STATIONS**

**NTPC stations**

(All figures in %)

State/UT	SINGRAULI (2000 MW)												RIHAND-I (1000 MW)												RIHAND-II (1000 MW)											
	Share	00-06 & 23-24		06-12		12-19		19-23		Share	00-06 & 23-24		06-12		12-19		19-23		Share	00-06 & 23-24		06-12		12-19		19-23										
		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt									
Chandigarh	0.00	0.75	0.75	0.75	0.75	0.90	0.90	1.05	1.05	1.00	0.75	1.75	0.75	1.75	0.90	1.90	1.04	2.04	0.80	0.75	1.55	0.75	1.55	0.90	1.70	1.05	1.85									
Delhi	7.50	0.00	7.50	0.00	7.50	3.00	10.50	3.30	10.80	10.00	0.00	10.00	0.00	10.00	2.98	12.98	3.28	13.28	12.60	0.00	12.60	0.00	12.60	3.00	15.60	3.30	15.90									
Haryana	10.00	3.30	13.30	3.30	13.30	2.40	12.40	2.40	12.40	6.50	3.28	9.78	3.28	9.78	2.39	8.89	2.39	8.89	5.70	3.30	9.00	3.30	9.00	2.40	8.10	2.40	8.10									
H.P.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.50	0.00	3.50	0.00	3.50	0.00	3.50	0.00	3.50	3.30	0.00	3.30	0.00	3.30	0.00	3.30	0.00	3.30									
J & K	0.00	0.45	0.45	0.75	0.75	0.75	0.75	1.35	1.35	7.00	0.45	7.45	0.75	7.75	0.75	7.75	1.34	8.34	9.40	0.45	9.85	0.75	10.15	0.75	10.15	1.35	10.75									
Punjab	10.00	3.60	13.60	3.45	13.45	2.40	12.40	1.35	11.35	11.00	3.58	14.58	3.43	14.43	2.38	13.38	1.35	12.35	10.20	3.60	13.80	3.45	13.65	2.40	12.60	1.35	11.55									
Rajasthan	15.00	3.00	18.00	3.00	18.00	2.40	17.40	2.40	17.40	9.50	2.98	12.48	2.98	12.48	2.39	11.89	2.39	11.89	10.00	3.00	13.00	3.00	13.00	2.40	12.40	2.40	12.40									
U.P.	37.68	3.90	41.58	3.75	41.43	3.15	40.83	3.15	40.83	32.57	3.88	36.45	3.73	36.30	3.13	35.70	3.13	35.70	29.60	3.90	33.50	3.75	33.35	3.15	32.75	3.15	32.75									
Uttarakhand	4.82	0.00	4.82	0.00	4.82	0.00	4.82	0.00	4.82	3.93	0.00	3.93	0.00	3.93	0.00	3.93	0.00	3.93	3.40	0.00	3.40	0.00	3.40	0.00	3.40	0.00	3.40									
HVDC_Rihand	0	0	0	0	0	0	0	0	0	0	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0	0	0	0	0	0	0	0	0									
HVDC Dadri	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
<b>Total</b>	<b>85.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>85.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>85.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>									

State/UT	UNCHAHAH-I (420 MW)												UNCHAHAH-II (420 MW)												DADRI(T) (840 MW)	
	Share	00-06 & 23-24		06-12		12-19		19-23		Share	00-06 & 23-24		06-12		12-19		19-23		Share	Share						
		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt										
Chandigarh	0.48	0.24	0.72	0.24	0.72	0.29	0.77	0.33	0.81	0.71	0.75	1.46	0.75	1.46	0.90	1.61	1.05	1.76	0	0						
Delhi	5.71	0.00	5.71	0.00	5.71	0.96	6.67	1.05	6.76	11.19	0.00	11.19	0.00	11.19	3.00	14.19	3.30	14.49	90	90.00						
Haryana	2.62	1.05	3.67	1.05	3.67	0.76	3.38	0.76	3.38	5.48	3.30	8.78	3.30	8.78	2.40	7.88	2.40	7.88	0	0						
H.P.	1.67	0.00	1.67	0.00	1.67	0.00	1.67	0.00	1.67	2.86	0.00	2.86	0.00	2.86	0.00	2.86	0.00	2.86	0	0						
J & K	3.33	0.14	3.47	0.24	3.57	0.24	3.57	0.43	3.76	7.14	0.45	7.59	0.75	7.89	0.75	7.89	1.35	8.49	0	0						
Punjab	8.57	1.15	9.72	1.10	9.67	0.76	9.33	0.43	9.00	14.28	3.60	17.88	3.45	17.73	2.40	16.68	1.35	15.63	0	0						
Rajasthan	4.76	0.95	5.71	0.95	5.71	0.76	5.52	0.76	5.52	9.05	3.00	12.05	3.00	12.05	2.40	11.45	2.40	11.45	0	0						
U.P.	59.52	1.24	60.76	1.19	60.71	1.00	60.52	1.01	60.53	30.69	3.90	34.59	3.75	34.44	3.15	33.84	3.15	33.84	10.00	10.00						
Uttarakhand	8.57	0.00	8.57	0.00	8.57	0.00	8.57	0.00	8.57	3.60	0.00	3.60	0.00	3.60	0.00	3.60	0.00	3.60	0	0						
<b>Total</b>	<b>95.23</b>	<b>4.77</b>	<b>100.00</b>	<b>4.77</b>	<b>100.00</b>	<b>4.77</b>	<b>100.00</b>	<b>4.77</b>	<b>100.00</b>	<b>85.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>						

State/UT	ANTA (G) ( 419 MW)												AURAIYA (G) (663 MW)												DADRI(G) (830 MW)											
	Share	00-06 & 23-24		06-12		12-19		19-23		Share	00-06 & 23-24		06-12		12-19		19-23		Share	00-06 & 23-24		06-12		12-19		19-23										
		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt									
Chandigarh	1.19	0.75	1.94	0.75	1.94	0.90	2.09	1.05	2.24	0.75	0.52	1.27	0.52	1.27	0.62	1.37	0.73	1.48	0.61	0.35	0.96	0.35	0.96	0.42	1.03	0.49	1.10									
Delhi	10.50	0.00	10.50	0.00	10.50	3.01	13.51	3.31	13.81	10.86	0.00	10.86	0.00	10.86	2.08	12.94	2.29	13.15	10.96	0.00	10.96	0.00	10.96	1.40	12.36	1.54	12.50									
Haryana	5.73	3.31	9.04	3.31	9.04	2.41	8.14	2.41	8.14	5.88	2.29	8.17	2.29	8.17	1.67	7.55	1.66	7.54	4.94	1.54	6.48	1.55	6.49	1.12	6.06	1.12	6.06									
H.P.	3.58	0.00	3.58	0.00	3.58	0.00	3.58	0.00	3.58	3.32	0.00	3.32	0.00	3.32	0.00	3.32	0.00	3.32	3.01	0.00	3.01	0.00	3.01	0.00	3.01	0.00	3.01									
J & K	6.92	0.45	7.37	0.75	7.67	0.75	7.67	1.35	8.27	6.64	0.31	6.95	0.52	7.16	0.52	7.16	0.94	7.58	6.75	0.22	6.97	0.35	7.10	0.35	7.10	0.63	7.38									
Punjab	11.69	3.61	15.30	3.46	15.15	2.40	14.09	1.35	13.04	12.52	2.50	15.02	2.39	14.91	1.67	14.19	0.94	13.46	15.90	1.68	17.58	1.61	17.51	1.12	17.02	0.63	16.53									
Rajasthan	19.81	3.01	22.82	3.01	22.82	2.41	22.22	2.41	22.22	9.20	2.08	11.28	2.08	11.28	1.66	10.86	1.66	10.86	9.28	1.40	10.68	1.40	10.68	1.13	10.41	1.12	10.40									
U.P.	21.75	3.91	25.66	3.76	25.51	3.16	24.91	3.16	24.91	32.06	2.70	34.76	2.60	34.66	2.18	34.24	2.18	34.24	29.60	1.82	31.42	1.75	31.35	1.47	31.07	1.48	31.08									
Uttarakhand	3.79	0.00	3.79	0.00	3.79	0.00	3.79	0.00	3.79	3.84	0.00	3.84	0.00	3.84	0.00	3.84	0.00	3.84	3.41	0.00	3.41	0.00	3.41	0.00	3.41	0.00	3.41									
Railways	0	0	0	0	0	0	0	0	0	0	4.53	4.53	4.53	4.53	4.53	4.53	4.53	4.53	0	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43									
HVDC_Rihand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
HVDC Dadri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.10	0.10	0.10	0.10	0.10	0.10									
<b>Total</b>	<b>84.96</b>	<b>15.04</b>	<b>100.00</b>	<b>15.04</b>	<b>100.00</b>	<b>15.04</b>	<b>100.00</b>	<b>15.04</b>	<b>100.00</b>	<b>85.07</b>	<b>14.93</b>	<b>100.00</b>	<b>14.93</b>	<b>100.00</b>	<b>14.93</b>	<b>100.00</b>	<b>14.93</b>	<b>100.00</b>	<b>84.46</b>	<b>15.54</b>	<b>100.00</b>	<b>15.54</b>	<b>100.00</b>	<b>15.54</b>	<b>100.00</b>	<b>15.54</b>	<b>100.00</b>									

PERCENTAGE SHARES AND ENTITLEMENTS OF NORTHERN REGION UTILITIES IN VARIOUS CENTRAL SECTOR GENERATING STATIONS

**NPC, NJ-HEP, Tehri and NHPC stations  
and Unchahar-III NTPC station**

(All figures in %)

State/UT	NAPS (440 MW)								RAPS-B # 3 & 4 (440 MW)								UNCHAHAR-III (210 MW) \$										
	Share	00-06 & 23-24		06-12		12-19		19-23		Share	00-06 & 23-24		06-12		12-19		19-23		Share	00-06 & 23-24		06-12		12-19		19-23	
		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt
Chandigarh	1.14	0.73	1.87	0.73	1.87	0.87	2.01	1.02	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.74	1.22	0.74	1.22	0.89	1.37	1.03	1.51
Delhi	10.68	0.00	10.68	0.00	10.68	2.91	13.59	3.20	13.88	0.00	0.00	0.00	0.00	2.50	2.50	3.18	3.18	13.81	0.00	13.81	0.00	13.81	2.95	16.76	3.25	17.06	
Haryana	6.36	3.20	9.56	3.20	9.56	2.33	8.69	2.33	8.69	10.91	2.50	13.41	0.00	10.91	2.50	13.41	0.00	10.91	5.71	3.25	8.96	3.25	8.96	2.36	8.07	2.36	8.07
H.P.	3.18	0.00	3.18	0.00	3.18	0.00	3.18	0.00	3.18	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.81	0.00	3.81	0.00	3.81	0.00	3.81	0.00	3.81
J & K	7.50	0.44	7.94	0.73	8.23	0.73	8.23	1.31	8.81	7.95	0.00	7.95	0.00	7.95	0.00	7.95	0.00	7.95	6.19	0.44	6.63	0.74	6.93	0.74	6.93	1.33	7.52
Punjab	11.59	3.49	15.08	3.34	14.93	2.33	13.92	1.31	12.90	22.73	3.18	25.91	3.18	25.91	0.00	22.73	0.00	22.73	8.1	3.54	11.64	3.39	11.49	2.36	10.46	1.33	9.43
Rajasthan	10.00	2.91	12.91	2.91	12.91	2.33	12.33	2.33	12.33	28.41	5.91	34.32	8.41	36.82	7.50	35.91	8.41	36.82	10.95	2.95	13.90	2.95	13.90	2.36	13.31	2.36	13.31
U.P.	31.30	3.78	35.08	3.64	34.94	3.05	34.35	3.05	34.35	15.00	3.41	18.41	3.41	18.41	2.50	17.50	3.41	18.41	30	3.84	33.84	3.69	33.69	3.10	33.10	3.10	33.10
Uttarakhand	3.70	0.00	3.70	0.00	3.70	0.00	3.70	0.00	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.19	0.00	6.19	0.00	6.19	0.00	6.19	0.00	6.19	
<b>Total</b>	<b>85.45</b>	<b>14.55</b>	<b>100.00</b>	<b>14.55</b>	<b>100.00</b>	<b>14.55</b>	<b>100.00</b>	<b>14.55</b>	<b>100.00</b>	<b>85.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>85.24</b>	<b>14.76</b>	<b>100.00</b>	<b>14.76</b>	<b>100.00</b>	<b>14.76</b>	<b>100.00</b>	<b>14.76</b>	<b>100.00</b>

State/UT	Nathpa-Jhakri (1500 MW)								Tehri-I (1000 MW) \$								DULHASTI (390 MW)										
	Share	00-06 & 23-24		06-12		12-19		19-23		Share	00-06 & 23-24		06-12		12-19		19-23		Share	00-06 & 23-24		06-12		12-19		19-23	
		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt
Chandigarh	0.53	0.50	1.03	0.50	1.03	0.60	1.13	0.70	1.23	0.60	0.50	1.10	0.50	1.10	0.59	1.19	0.69	1.29	0.47	0.75	1.22	0.75	1.22	0.90	1.37	1.05	1.52
Delhi	9.47	0.00	9.47	0.00	9.47	1.99	11.46	2.18	11.65	10.30	0.00	10.30	0.00	10.30	1.98	12.28	2.18	12.48	12.83	0.00	12.83	0.00	12.83	3.00	15.83	3.30	16.13
Haryana	4.27	2.18	6.45	2.18	6.45	1.58	5.85	1.59	5.86	4.30	2.18	6.48	2.18	6.48	1.58	5.88	1.58	5.88	5.47	3.30	8.77	3.30	8.77	2.40	7.87	2.40	7.87
H.P.	36.47	0.00	36.47	0.00	36.47	0.00	36.47	0.00	36.47	2.80	0.00	2.80	0.00	2.80	0.00	2.80	0.00	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
J & K	7.00	0.30	7.30	0.50	7.50	0.50	7.50	0.89	7.89	4.80	0.30	5.10	0.50	5.30	0.50	5.30	0.89	5.69	21.15	0.45	21.60	0.75	21.90	0.75	21.90	1.35	22.50
Punjab	10.13	2.38	12.51	2.28	12.41	1.58	11.71	0.89	11.02	7.70	2.38	10.08	2.27	9.97	1.58	9.28	0.90	8.60	8.28	3.60	11.88	3.45	11.73	2.40	10.68	1.35	9.63
Rajasthan	7.47	1.99	9.46	1.99	9.46	1.59	9.06	1.59	9.06	7.50	1.98	9.48	1.98	9.48	1.59	9.09	1.58	9.08	10.88	3.00	13.88	3.00	13.88	2.40	13.28	2.40	13.28
U.P.	14.73	2.58	17.31	2.48	17.21	2.09	16.82	2.09	16.82	37.40	2.56	39.96	2.47	39.87	2.08	39.48	2.08	39.48	21.81	3.90	25.71	3.75	25.56	3.15	24.96	3.15	24.96
Uttarakhand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.70	0.00	14.70	0.00	14.70	0.00	14.70	0.00	14.70	4.11	0.00	4.11	0.00	4.11	0.00	4.11	0.00	4.11
<b>Total</b>	<b>90.07</b>	<b>9.93</b>	<b>100.00</b>	<b>9.93</b>	<b>100.00</b>	<b>9.93</b>	<b>100.00</b>	<b>9.93</b>	<b>100.00</b>	<b>90.10</b>	<b>9.90</b>	<b>100.00</b>	<b>9.90</b>	<b>100.00</b>	<b>9.90</b>	<b>100.00</b>	<b>9.90</b>	<b>100.00</b>	<b>85.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>

\$ Applicable from COD COD of Tehri Unit # 4 is 22-09-06

State/UT	Dhauliganga(280 MW)								CHAMERA-II (300 MW)								B. SIUL	SALAL	T.PUR	CHAM-I	URI			
	Share	00-06 & 23-24		06-12		12-19		19-23		Share	00-06 & 23-24		06-12		12-19		19-23		180 MW	690 MW	94 MW	540 MW	480 MW	
		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt		U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	U.A.	Entlmt	Entlmt '00-24					
Chandigarh	0.72	0.75	1.47	0.75	1.47	0.90	1.62	1.05	1.77	0.67	0.90	1.57	0.90	1.57	1.08	1.75	1.26	1.93	0.00	0.27	1.28	3.90	0.62	
Delhi	13.21	0.00	13.21	0.00	13.21	3.00	16.21	3.30	16.51	13.33	0.00	13.33	0.00	13.33	3.60	16.93	3.96	17.29	11.00	11.62	12.81	7.90	11.04	
Haryana	5.71	3.30	9.01	3.30	9.01	2.40	8.11	2.40	8.11	5.67	3.96	9.63	3.96	9.63	2.88	8.55	2.88	8.55	30.50	15.02	6.40	15.80	5.42	
H.P.	3.57	0.00	3.57	0.00	3.57	0.00	3.57	0.00	3.57	15.67	0.00	15.67	0.00	15.67	0.00	15.67	0.00	15.67	12.00	0.99	3.84	14.90	2.71	
J & K	6.07	0.45	6.52	0.75	6.82	0.75	6.82	1.35	7.42	6.33	0.54	6.87	0.90	7.23	0.90	7.23	1.62	7.95	0.00	34.39	7.68	3.90	33.96	
Punjab	10.00	3.60	13.60	3.45	13.45	2.40	12.40	1.35	11.35	10.00	4.32	14.32	4.14	14.14	2.88	12.88	1.62	11.62	46.50	26.60	17.93	10.20	13.75	
Rajasthan	9.65	3.00	12.65	3.00	12.65	2.40	12.05	2.40	12.05	9.67	3.60	13.27	3.60	13.27	2.88	12.55	2.88	12.55	0.00	2.95	11.53	19.60	8.96	
U.P.	20.00	3.90	23.90	3.75	23.75	3.15	23.15	3.15	23.15	20.66	4.68	25.34	4.50	25.16	3.78	24.44	3.78	24.44	0.00	6.95	22.64	20.27	20.06	
Uttarakhand	16.07	0.00	16.07	0.00	16.07	0.00	16.07	0.00	16.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	15.89	3.53	3.48	
<b>Total</b>	<b>85.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>15.00</b>	<b>100.00</b>	<b>82.00</b>	<b>18.00</b>	<b>100.00</b>	<b>18.00</b>	<b>100.00</b>	<b>18.00</b>	<b>100.00</b>	<b>18.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Note: Baira suil, Salal, Tanakpur, Chamera-I and Uri NHPC stations does not have Unallocated quota of power

नवम्बर 2008 माह का आवृत्ति विश्लेषण  
**FREQUENCY ANALYSIS FOR THE MONTH OF NOVEMBER 2008**

Date	Frequency(Hz.)			%age TimeSystem Frequency in frequency bands									
	Max	Min	Avg.	<48.5	48.5-48.8	48.8-49	49-49.5	49.5-49.8	49.8-50.2	50.2-50.5	50.5-51	51-51.5	>51.5
1	50.78	49.06	49.55	0.00	0.00	0.00	38.65	50.27	6.73	0.07	0.14	0.00	0.00
2	50.19	48.96	49.57	0.00	0.00	0.34	38.10	39.60	18.47	0.00	0.00	0.00	0.00
3	50.35	48.96	49.54	0.00	0.00	0.07	39.71	47.05	10.49	0.41	0.00	0.00	0.00
4	50.19	48.87	49.45	0.00	0.00	0.55	62.41	32.25	4.79	0.00	0.00	0.00	0.00
5	50.00	48.80	49.46	0.00	0.00	1.18	53.88	38.28	6.66	0.00	0.00	0.00	0.00
6	50.03	48.81	49.44	0.00	0.00	1.39	60.33	32.80	5.48	0.00	0.00	0.00	0.00
7	50.05	48.83	49.45	0.00	0.00	1.94	58.88	34.40	4.79	0.00	0.00	0.00	0.00
8	50.09	48.93	49.39	0.00	0.00	0.28	77.95	19.56	2.22	0.00	0.00	0.00	0.00
9	50.15	48.83	49.44	0.00	0.00	1.04	56.93	36.34	5.69	0.00	0.10	0.00	0.00
10	49.97	48.84	49.38	0.00	0.00	2.01	72.88	23.58	1.53	0.00	0.00	0.00	0.00
11	49.96	48.80	49.31	0.00	0.00	5.34	80.58	13.04	1.04	0.00	0.00	0.00	0.00
12	49.84	48.77	49.27	0.00	0.16	6.43	79.74	13.61	0.06	0.00	0.00	0.00	0.00
13	50.87	48.80	49.44	0.00	0.00	4.30	55.55	33.36	5.13	0.69	0.97	0.00	0.00
14	50.45	48.90	49.50	0.00	0.00	0.83	49.31	43.00	6.52	0.35	0.00	0.00	0.00
15	50.27	48.86	49.52	0.00	0.00	0.76	46.19	42.44	10.06	0.55	0.00	0.00	0.00
16	50.43	49.19	49.83	0.00	0.00	0.00	6.03	44.45	41.75	7.77	0.00	0.00	0.00
17	50.42	48.99	49.65	0.00	0.00	0.07	30.31	41.05	26.49	2.08	0.00	0.00	0.00
18	50.06	48.92	49.47	0.00	0.00	1.18	52.43	37.31	9.08	0.00	0.00	0.00	0.00
19	50.06	48.80	49.41	0.00	0.00	3.12	62.90	29.68	4.30	0.00	0.00	0.00	0.00
20	50.22	48.87	49.56	0.00	0.00	0.76	43.34	37.52	18.38	0.00	0.00	0.00	0.00
21	50.15	48.96	49.59	0.00	0.00	0.14	33.77	49.58	16.50	0.00	0.00	0.00	0.00
22	50.34	49.13	49.56	0.00	0.00	0.00	42.86	42.16	14.56	0.42	0.00	0.00	0.00
23	50.43	49.14	49.80	0.00	0.00	0.00	12.34	39.11	42.51	6.03	0.00	0.00	0.00
24	50.61	48.93	49.61	0.00	0.00	0.35	42.44	28.85	24.34	3.88	0.14	0.00	0.00
25	50.18	48.91	49.46	0.00	0.00	0.83	54.51	38.07	6.59	0.00	0.00	0.00	0.00
26	50.35	48.92	49.45	0.00	0.00	0.89	56.38	32.78	6.72	0.89	0.00	0.00	0.00
27	50.42	49.03	49.71	0.00	0.00	0.00	21.71	44.31	29.89	4.09	0.00	0.00	0.00
28	50.49	49.10	49.72	0.00	0.00	0.00	29.40	35.78	23.86	10.96	0.00	0.00	0.00
29	50.39	49.08	49.67	0.00	0.00	0.00	31.28	36.34	30.24	2.15	0.00	0.00	0.00
30	50.48	49.19	49.77	0.00	0.00	0.00	12.76	40.85	43.97	2.43	0.00	0.00	0.00
31	*	*	*	*	*	*	*	*	*	*	*	*	*
<b>Avg.</b>	<b>50.27</b>	<b>48.94</b>	<b>49.53</b>	<b>0.00</b>	<b>0.01</b>	<b>1.13</b>	<b>46.78</b>	<b>36.32</b>	<b>14.29</b>	<b>1.43</b>	<b>0.04</b>	<b>0.00</b>	<b>0.00</b>

### VOLTAGE ANALYSIS

दस्तावेज संख्या 2008/01 नं. 400 वोल्ट व 220 वोल्ट वोल्टेज + 400 वोल्ट व 220 वोल्ट वोल्टेज नमूने के माध्यम से  
**MAXIMUM AND MINIMUM VOLTAGES RECORDED AT 400KV & 220 KV BUSES DURING THE MONTH OF NOVEMBER 2008**  
 (All figures in KV)

दिनांक DATE	400 वोल्ट वोल्टेज नमूने के माध्यम से AT 400KV DADRI		400 वोल्ट वोल्टेज नमूने के माध्यम से AT 400KV KANPUR		220 वोल्ट वोल्टेज नमूने के माध्यम से AT 220KV BTPS		400 वोल्ट वोल्टेज नमूने के माध्यम से AT 400KV MOGA	
	+ वोल्टेज MAXIMUM	- वोल्टेज MINIMUM	+ वोल्टेज MAXIMUM	- वोल्टेज MINIMUM	+ वोल्टेज MAXIMUM	- वोल्टेज MINIMUM	+ वोल्टेज MAXIMUM	- वोल्टेज MINIMUM
1	410	393	413	394	217	209	408	387
2	411	401	416	398	217	209	416	398
3	417	398	415	397	222	212	419	397
4	417	397	417	396	221	210	419	395
5	416	395	413	393	220	212	420	394
6	416	395	415	394	221	212	421	395
7	416	395	415	394	221	210	417	394
8	419	399	420	397	222	213	417	394
9	420	405	421	406	223	215	420	399
10	414	395	422	396	221	211	407	390
11	417	399	420	403	222	213	413	394
12	420	397	420	397	223	213	418	397
13	420	397	420	397	223	213	418	397
14	420	398	418	397	223	212	419	393
15	419	396	416	396	223	213	419	394
16	421	400	418	395	224	215	420	394
17	417	397	416	394	223	213	421	397
18	419	395	417	395	223	211	420	395
19	418	398	416	395	226	213	420	393
20	432	398	421	397	226	214	420	399
21	431	398	415	396	223	214	420	399
22	427	395	414	395	226	214	421	400
23	427	396	417	396	224	214	418	389
24	428	391	416	393	223	213	416	391
25	421	396	419	394	225	212	419	394
26	420	397	418	397	224	213	421	394
27	420	396	417	393	222	213	416	394
28	415	391	418	391	222	210	417	392
29	414	395	413	393	223	212	419	394
30	420	405	421	399	224	210	415	393
31	*	*	*	*	*	*	*	*
<b>Max</b>	<b>432</b>	<b>405</b>	<b>422</b>	<b>406</b>	<b>228</b>	<b>215</b>	<b>421</b>	<b>400</b>
<b>Min</b>	<b>410</b>	<b>391</b>	<b>413</b>	<b>391</b>	<b>217</b>	<b>209</b>	<b>407</b>	<b>387</b>

**DETAILS OF UFRs FOR LOAD SHEDDING IN THE NORTHERN REGION AS ON 30.11.08**

**A. df/dt RELAYING SCHEME (As recommended by NREB)**

STATE / UT / SYSTEM	Setting(Hz/s) and load relief (MW) through df/dt relays to be initiated at		
	49.9 Hz./0.1 Hz/sec.(1st.Stg.)	49.9Hz/0.2 Hz/sec.(2nd.Stg.)	49.9Hz/0.3 Hz/sec.(3rd. Stg.)
	Load Relief	Load Relief	Load Relief
Chandigarh	0	50	50
Delhi	250	280	280
Haryana	280	310	310
HP	50	70	70
J&K	90	90	90
Punjab	430	490	490
Rajasthan	330	370	370
UP	500	280	280
Uttarakhand	70	70	70
<b>Total</b>	<b>2000</b>	<b>2010</b>	<b>2010</b>

df/dt: Total in western UP=810

df/dt: Total in Punjab,Haryana,HP ,J&K,Chandigarh=2870

**B. FLAT UFRs SCHEME**

STATE	Flat UFRs			TOTAL
	48.8 Hz	48.6 Hz	48.2 Hz	
Chandigarh	0	10	0	10
Delhi	110	140	150	400
Haryana	110	140	150	400
HP	20	20	75	115
J&K	40	50	75	165
Punjab	180	220	250	650
Rajasthan	120	150	225	495
UP	190	240	275	705
Uttarakhand	30	30	50	110
<b>Total</b>	<b>800</b>	<b>1000</b>	<b>1250</b>	<b>3050</b>

30.11.2008

**PROGRESS OF INSTALLATION OF SHUNT CAPACITORS(11 KV AND ABOVE) IN THE'NORTHERN REGION AS ON 30.11.2008**

STATE / UT / SYSTEM	Requirement as per NRPC Studied	Installed as on 31.03.08	BBMB Capacitors approtioned	New Capacitors(MVAR) required during 2008-09	Capacitors installed during 2008-09 upto 30.11.08	Balance to be installed during 2008-09	Month by which this installation should complete	Defective capacitors.need revival during 2008-09	Capacitors revived(Net) till 30.11.08	Balance to be revived during 2008-09	STATE / UT / SYSTEM
Chandigarh	205	102	25	78	0	78.0	Aug.08	13	0.0	13.0	Chandigarh
Delhi	3875	3456	20	399	0	399.0	May08	348	288.0	60.0	Delhi
Haryana	4370	2773	195	1402	0	1402.0	July 08	297	0	297.0	Haryana
H.P.	650	514	0	136	0	136.0	July 08	51	0	51.0	H.P.
J & K	1320	147	0	1173	0	1173.0	Nov.08	15	0	15.0	J & K
Punjab	6450	5450	137	863	52.3	810.7	May08	559	5.1	553.9	Punjab
Rajasthan	4380	3732	0	648	25.4	622.6	Dec.08	373	25.0	348.0	Rajasthan
U.P.	7680	5812	0	1868	0	1868.0	Aug.08	581	38.8	542.2	U.P.
Uttaranchal	500	353	0	147	0	147.0	May08	35	0	35.0	Uttaranchal
<b>TOTAL</b>	<b>29430</b>	<b>22339</b>	<b>377</b>	<b>6714</b>	<b>77.7</b>	<b>6636.3</b>		<b>2272</b>	<b>356.9</b>	<b>1915.1</b>	<b>TOTAL</b>

30.11.2008

**STATUS OF IMPORTANT TRANSMISSION LINES UNDER CONSTRUCTION AS ON 30.11.2008**

Sl. No.	Generating Plant / Associated Transmission Scheme	No. of Circuits	Total Length (CKm)	String.Compl. upto March 08 (CKm)	Programme for 2008-09 CKm	Stringing April 2008 onwards Ckm	TL (Nos.)	Stubs (Nos.)	TE (Nos.)	Stringing Completed Ckm	Target		Remarks
											Original	Revised	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	<b>765 kV Transmission Lines</b>												
	<i>Central Sector</i>												
	Agra -Gwalior 2nd S/C (initially to be operated at 400KV)	S/C	130	29	101	64	336	329	324	93		Jan'09	
2	<b>400 kV Transmission Lines</b>												
	<i>Central Sector</i>												
	Bareilly - Mordadabad	S/C	91	91	0	0	252	252	252	91	Mar'07	May'08	Commissioned 5/08
	RAPP 5&6 - Kota	D/C	51	2	0	23	145	143	129	25	Mar'08	Dec.08	
	RAPP 5&6 - Kankroli	D/C	397	397	0	0	542	542	542	397	Mar'08	Sept..08	Commissioned 9/08
	<i>State Sector</i>												
	<u>Rajasthan</u>												
	Chhabra-Dahra (Kota) D/C	D/C	262	0	0	248	352	352	352	248	Sept.08	Dec.08	Forest clearance awaited
	Dahra(Kota)-Bhilwara S/C	S/C	163	0	20	0	460	325	107	0	Sept.08	Dec.08	
	LILO Dholpur-Heerapura at Hindaun	D/C	13	0	0	0	11	6	0	0	Sept.08	March.09	
	Chhabra-Hindaun	S/C	342	0	305	128	802	751	579	128	March09		
	Suratgarh STPS -Bikaner S/C	S/C	170	0	170	105	381	371	347	105	Oct.08	Feb.09	
	Ratangarh-Merta	S/C	181	181	0	0	464	464	464	181	Mar'06	Apr'08	Commissioned 5/08
	<u>JAMMU &amp; KASHMIR (J&amp;K) :</u>												
	Kishenpur-Baglihar	D/C	136	136	0	0	215	215	215	136	May'07	Oct.08	1st ckt. Commissioned in 10/08
3	<b>220 kV CENTRAL SECTOR (CS)</b>												
	LILO of 1 ckt.of Tanakpur-Bareilly at Sitarganj		44	7	0	32	71	71	71	39	Jun'08	Dec.08	
4	<b>220 kV STATE SECTOR :</b>												
	<u>CHANDIGARH :</u>												
	Ganguwal-Mohali (2nd Ckt. Stringing) (Incl of re-alignment)	S/C	72.4	72	0	0		Existing		72	Jun'06	Dec.08	Deposit work of PSEB. Re-alignment of Bays in progress
	<u>DELHI (DTL) :</u>												
	U/G of Maharani Bagh(PG)-Masjid Moth	D/C	19	0	0	0	Cable				Mar.'08	Mar.'09	Bid opened 12.5.08 Techno-comm. Evaluation in progress
	<u>Himachal Pardesh</u>												
	Kashang-Bhaba	D/C	76	41	0	9	100	99	93	50	Mar'07	Dec.08	Forest CI obtained in 2/2008
	Khodri-Majri (2ndckt)	S/C on D/C	35	34.2	0	0	Tower Existing			34.2	Mar'08	Mar'09	Stringing completed except between locations T34&T36
	<u>HARYANA (HVPN) :</u>												
	YTPP-Abdullapur	D/C	56	28	0	0	93	93	93	28	Mar'08	Dec.08	WIP
	YTPP-Nilokheri	D/C	104	0	0	0	173	154	126	0	Mar'08	Dec.08	WIP
	Nilokheri-Karnal	S/C	19	19	0	0	66	66	66	19	Mar'08	Jun.'08	Commissioned 6/08
	Badshahpur-Rewari (2nd Ckt) Strg.	S/C	51	43	0	0	Tower Existing			50	Jun'06	Dec.08	WIP
	Badshahpur-IMT Manesar 2ndCkt Strg.	S/C	12	0	0	0	Tower Existing			0	Mar'07	Dec.08	WIP
	LILO of 2nd ckt of Narwana-Fatehabad at Bhuna	D/C	16	0	0	9	27	27	27	16	Dec'07	Nov.08	Commissioned 11/08
	Hissar (Mayyar)-Isharwal	D/C	106	22	0	64	151	151	150	86	Apr'08	Dec.08	Row Problem at one location

Sl. No.	Generating Plant / Associated Transmission Scheme	No. of Circuits	Total Length (CKm)	String.Compl. upto March 08 (CKm)	Programme for 2008-09 CKm	Stringing April 2008 onwards Ckm	TL (Nos.)	Stubs (Nos.)	TE (Nos.)	Stringing Completed Ckm	Target Original	Revised	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	LILO Narwana-Fatehabad & Fatehabad-Sirsa at Fatehabad (PG)	D/C	5	0	0	5	10	10	10	5	Dec'07	Nov.08	Commissioned 11/08
	Kirori (400 kV)-Hansi	D/C	80	0	0	0					June'09		
	Cheeka-Durala	D/C	100	0	106	82	168	168	167	82	Dec.08		WIP
	LILO one ckt Shahbad-Pehova at Durala	D/C	6	0	6	0	16	16	16	6	Nov'08		Commissioned 11/08
	<u>PUNJAB (PSEB) :</u>												
	GHTP-Himatpura D/C	D/C	70	0	18	0					Dec.07	.Apr09	workyet to start
	GNDTP-Muktsar (2nd ckt)	S/ConD/C	53	50	0	0	157	156	156	50	May.07	Dec.08	Forest clearence awaited
	LILO of Patti-Verpal at Tarn-Taran	S/C	20	0	0	0				0	Mar.06	Mar.09	
	Ranjit Sagar Dam – Sarna (ckt.4 )	D/C	30	30	0	0	Tower Existing			30	Jun'05	Dec.08	Strg. Comp.hill cutting work in progress
	Khasa–Amritsar at Balachak(PGCIL)	D/C	44	10	0	34	72	72	72	44	Jun'05	Jun'08	Commissioned 7/2008
	LILO of Malerkotla – Lalton Kalan S/C at Pakhowal	D/C	2	0	0	0	5				Mar-06	Dec'08	Matching with Pakhowal S/S
	LILO of Mohali-I–Dera Bassi at Mohali-II	D/C	1	0	0	1	9	9	9	1	Mar-07	Mar.09	work held up,court stay
	LILO of Gobindgarh-I -Gobindgarh-II at Amloh Road	D/C	2	0	0	2	5	5	5	2	Mar-07	.june08	Commissioned 6/08
	Humbran–FZR Rd Ludhiana	D/C	30	0	0	0					Mar-07	Dec.08	Tower design modification
	Phagan Majra (400 kV) -F.P.Nabha	D/C	65	2	0	0	108	65	48	2	Mar-08	Dec.08	WIP
	Mohali-Dera Bassi (2nd ckt stringing)	S/C onD/C	29	28	0	0	Existing			28	Jun-07	Dec.08	work in progress
	LILO of one circuit of GGSSTP – Mohali-I at Kharar	D/C	10	0	0	0					Dec-07	.Dec08	
	Nalagarh-Mohali -I	D/C	110	21	0	86	185	150	135	70	Jul-07	Dec.08	WIP
	LILO of one ckt. of Moga-Mukatsar DC at Sadiq	D/C	50	0	49	0	62	0	0	0	Mar-09		Route Plan under approval
	Moga (400 KV) - Baghapurana	D/C	20	0	36	0	31	31	27	0	Mar-09		
	Mukatsar- Malout SC on DC	S/C	32	0	0	0	32				Mar-09		
	<u>Raiasthan</u>												
	Giral TPS-Barmer 2nd ckt.	S/C	40	0	0	0	126	56	0	0	Mar-07	Mar.09	
	Giral TPS-Balotra S/C	S/C	100	0	100	0	178	37	0	0	Mar-09	Apr.09	
	Barsinghsar -Khinvsar S/C	S/C	98	0	0	98	310	310	310	98	Mar-08	Dec.08	Stringing Completed
	LILO Bhilwara-Kankroli at Kankroli(PG)	S/C	9.5	9.5	0	0	16	16	16	9.5	Mar-08	May-08	Commissioned 5/08
	LILO Kota-Bhilwara at Kota (PG)	D/C	4	0	4	0					Mar-08	Mar.09	Forest issue
	Chhabra TPS-Jhalawar S/C	S/C	125	0	100	0	356	61	20	1	Sept-08	Mar.09	
	LILO Bhilwara-Pali at Bhilwara (400kv)	D/C	10	0	10	0					Sept-08	Mar.09	
	Hindaun(400kv)-Hidaun(220kv)	D/C	16	0	15	0	28	28	28	15	Sept-08	Dec.08	
	Hindaun(400kv)-Mandawar	D/C	65	0	65	0	155	46	0	0	Sept-08	Mar.09	
	Chhabra -Baran-Dahra	D/C	110		135	0	350	155	35	0	Sept-08	Mar.09	

Sl. No.	Generating Plant / Associated Transmission Scheme	No. of Circuits	Total Length (CKm)	String.Compl. upto March 08 (CKm)	Programme for 2008-09 CKm	Stringing April 2008 onwards Ckm	TL (Nos.)	Stubs (Nos.)	TE (Nos.)	Stringing Completed Ckm	Target		Remarks	
											Original	Revised		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	LILO Bikaner-Sridungargarh at Bikaner (400 kV) D/C	D/C	20	0	20	0					Oct-08	Mar.09		
	LILO Bikaner-Nagaur at Bikaner (400 kV) D/C	D/C	20	0	20	0					Oct-08	Mar.09		
	STPS-Bhadra S/C	S/C	114	0	4	114	352	352	352	114	Oct-08	Dec.08		
	Opening of one ckt of Heerapura-Bassi line and connecting Sanganer & Phulera	S/C	59	59	0	0	191	191	191	59	Mar-08	May-08	Commissioned7/08	
	LILO of Jaipur – Kota at Duni	D/C	6	0	0	0	8	8	2	0	Mar-08	Dec.08		
	Bhiwadi(PGCIL)-Neemrana	S/C	58	26	0	26	184	180	176	52	Mar-08	Oct.08	Commissioned 10/08	
	Kankroli (PG)-Debari	S/C	70	0	0	21	205	182	146	21	Mar-08	Dec.08		
	LILO one ckt Bassi-Heerapura at Jagatpura	D/C	22	0	22	0	42				Mar-09	Dec-08		
	Giral LTPS- Balotra	S/C	100	0	100	0					Mar09			
	LILO Heerapura-Kukas at VKIA	D/C	2	0	2	2	7	7	7	2	July'08	Sept..08	Commissioned9/08	
	LILO Bhiwadi-Neemrana a Khushekhera	D/C	8	0	8	8	18	18	18	8	Dec-08		Commissioned10/08	
	LILO Alwar-Bhiwadi at Khushekhera	D/C	5	0	5	0	20	20	20	5	Dec-08		Commissioned10/08	
	<u>UTTAR PRADESH (UPPCL) :</u>													
	Matore(PG)-Nehtaur	S/C	88	0	0	57	255	251	247	57	Dec-07	Dec.08		
	Nanauta-Muzaffarnagar	S/C	55	0	15	0	167	118	20	0	Apr-08	March-09	WIP	
	Muzaffarnagar-Shamli	S/C	56	0	15	0	169	135	9	0	Mar-08	Mar09		
	LILO of Saharanpur-Shamli at Nanouta	D/C	6	0	0	0	11	7	0	0	Apr-08	March-09	WIP	
	Metore(Meerut) (PG)-Gajraula	S/C	87	0	37	58	254	251	247	58	Apr-08	Dec.08		
	Loni-Muradnagar(400 kV S/S)	D/C	27	0	4	23	112	111	110	23	Mar-08	Dec.08		
	LILO of Khurja-Muradnagar at Dadri	D/C	23	0	0	7	50	42	35	7	Mar-08	Dec.08		
	LILO of Khurja-Muradnagar at Sikandrabad	D/C	38	17	21	1	65	65	55	18	Jun'08	Dec.08		
	LILO of Sarojininagar-Chinhat at Gominagar	D/C	7	0	6	0	22	21	14	0	Jun'08	Mar09	WIP	
	<u>UTTARAKHAND (PTCUL)</u>													
	Rishikesh-Maneribali Stage-II (3rd ckt.)	S/C	79	46	0	0	230	200	175	46		Jan.09		
	LILO of Maneri I-Rishikesh at Maneri -II	D/C	4	4	0	0	6	6	6	4	Mar-07	Dec.08	Stringing completed	
	Kashipur - Barheni	D/C	52	0	0	0	84	82	36		Dec-06	Dec.08		
	Barheni - Pantnagar	S/C	35	31	0	0	115	115	113	31	Dec-06	Dec.08		
	<u>JAMMU &amp; KASHMIR (J&amp;K) :</u>													
	Barn-Kishenpur	D/C	74.8	74.8	0	0	105	105	105	74.8	Mar-08	May-08	Commisioned 6/08	

**COMMISSIONING SCHEDULE OF NEW GENERATION SCHEMES**

Sl. No	Agency	Name of Power Station	Unit No.	Capacity(MW)	Schedule for Comm.
1	Haryana	Yamuna Nagar TPS	1to2	600	unit 1,COD 14.04.08 Unit 2,COD Dec.08
2	J&K(PDC)	Baglihar HPS	1 to 3	450	Unit#1,150MW, synchronised on 19.09.08. Unit#2150 MW synchronised on 25.10.08 Unit#3,150MW, synchronised on 14.11.08
3	PSEB	GHTPP Stage-2	4	250	Commissioned on 31.07.08 COD in March 09
4	Rajasthan	Giral Lignite-II (Unit-2)	2	125	Feb./March 09
5	Rajasthan	Chhabra TPS	1 to 2	2x250	U#1- Jan.09 U# 2- March-09
6	Rajasthan	Kota- TPS	7	195	March09
7	Rajasthan	Suratgarh TPS	6	250	Feb.-09
8	Rajasthan	Barsingsar Lignite	1to 2	2x125	U#1- Dec-08 U# 2- Jan-09
9	NPCIL	RAPS	5to6	440	#5 Jan-09(Reactor critical in Dec.08) #6 May-09

**NEW GENERATING UNITS / TRANS. LINES / SUB-STATIONS.COMMISSIONED DURING THE MONTH.**

**A) Generating Units:**

1. Unit no.3(150MW)of Baglihar HPS.J&K, synchronised on 14.11.2008.

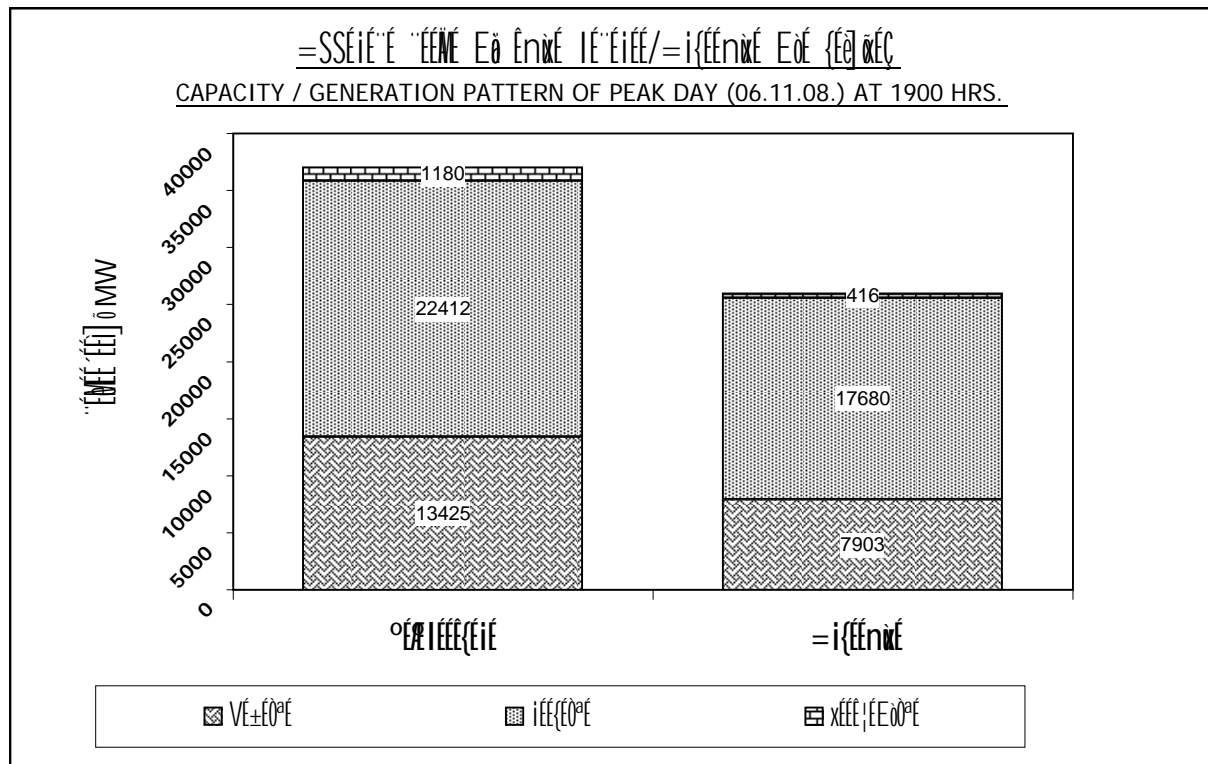
**B) Transmission Lines:**

- L.ILO one ckt. Of Shahbad-Pehova at Durala D/C 6ckm,Haryana
- L.ILO ofNarwana-Fatehabad &Fatehabad-Sirsa at Fatehabad(PG),D/C 5 ckm,Haryana
- L.ILO of2nd ckt ofNarwana-Fatehabad at Bhuna D/C 16 ckm,Haryana

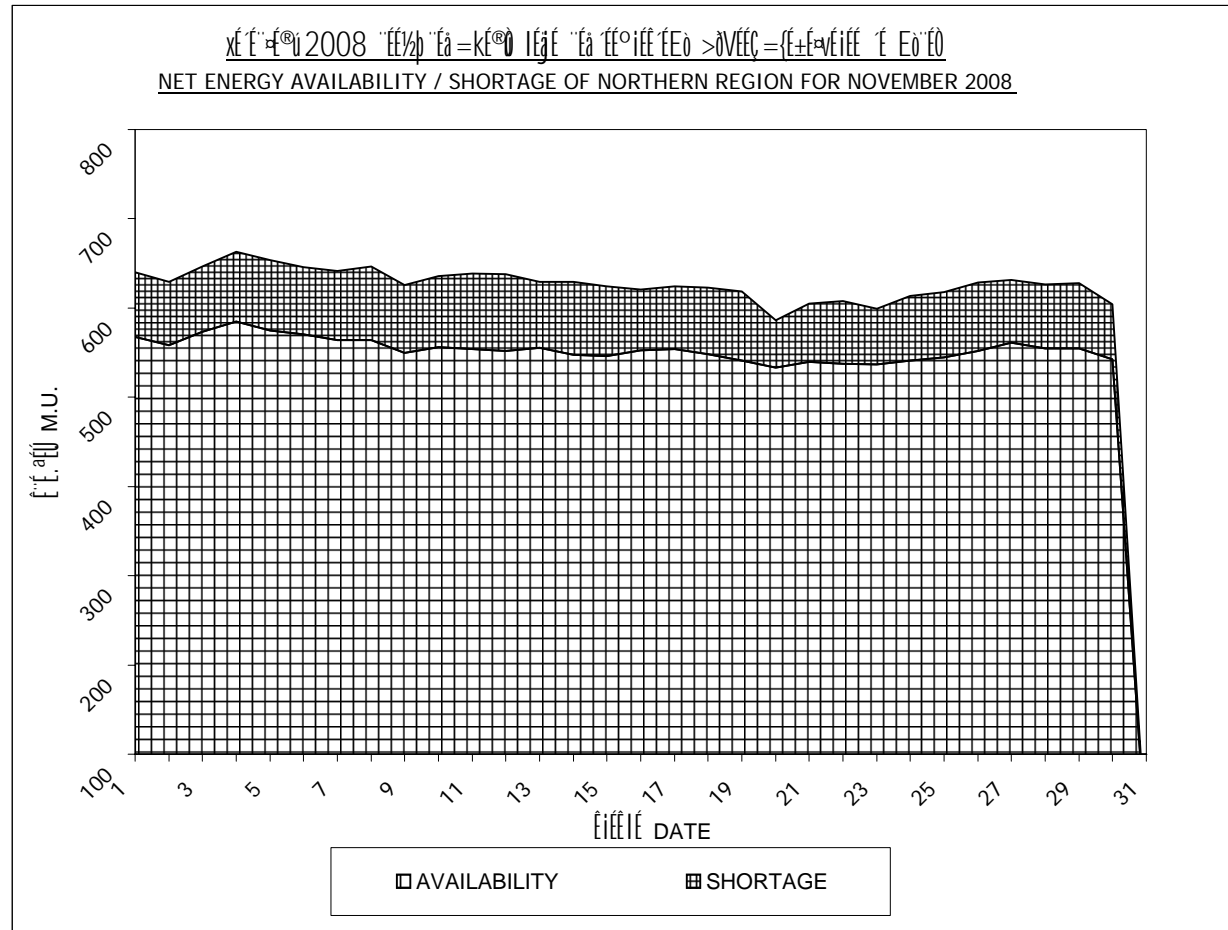
**C) Sub-Stations:**

- 220/132 kv 100MVA ,Durala,Haryana
- 220/132 kv 100MVA ,Bhuna(2x100MVA),Haryana
- 220/66 kv 100MVA ,Jorian(aug.),Haryana
- 220/66 kv 100MVA ,Palli(aug.),Haryana
- 220/132 kv 60MVA ,MuradnagarExt.(160-100),UP
- 220/132 kv 60MVA ,Saharanpur Ext.(160-100),UP
- 220/66 kv 100MVA ,Manimajra(chandigarh),Chandigarh

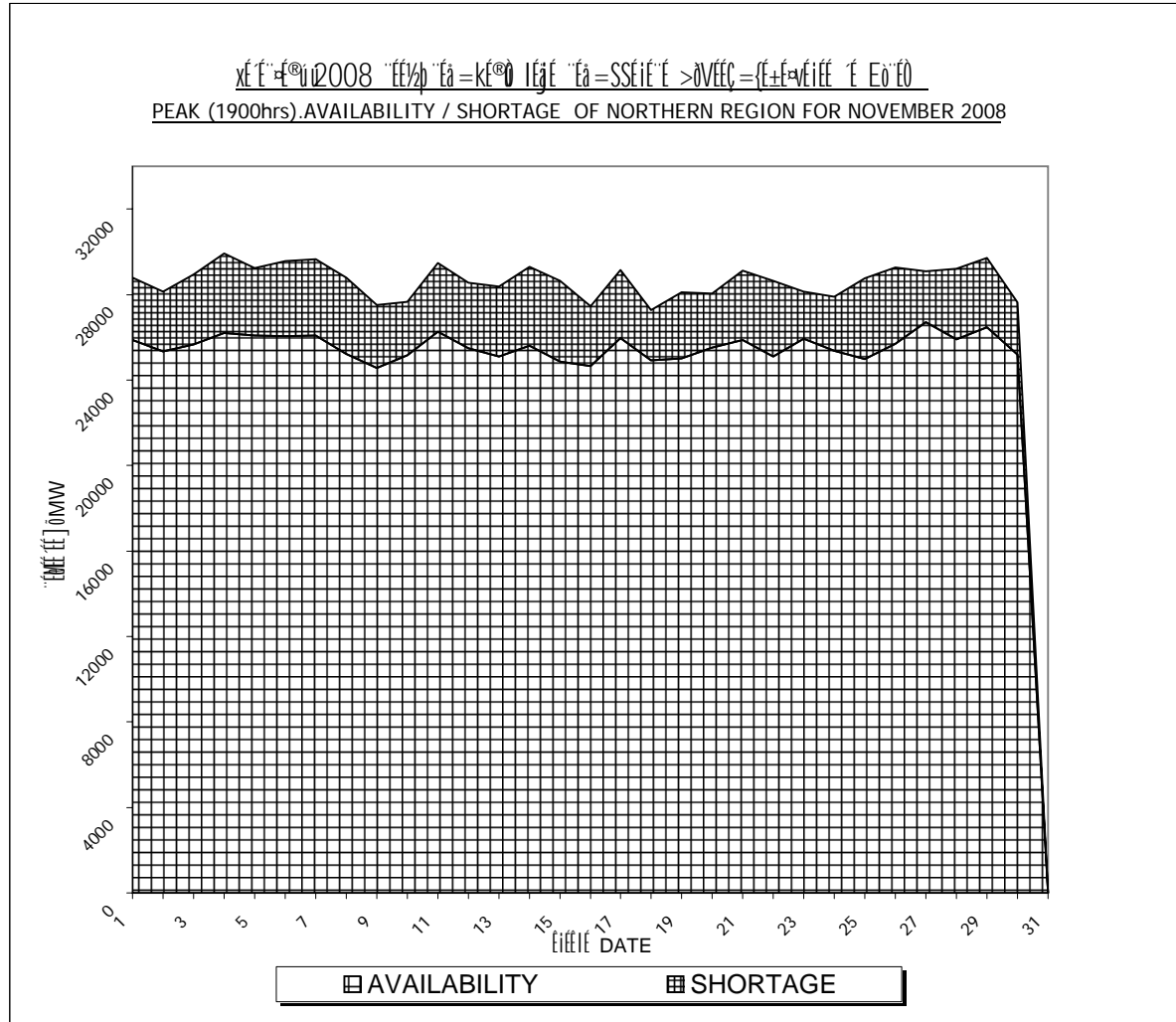




DATE	AVAILABILITY	SHORTAGE
1	567.92	72.45
2	557.95	71.03
3	573.41	72.92
4	585.07	78.15
5	574.64	78.90
6	570.31	75.76
7	563.71	78.01
8	563.75	83.02
9	549.46	76.56
10	555.80	79.70
11	553.68	84.62
12	552.05	86.09
13	555.63	73.93
14	547.30	82.25
15	546.20	78.07
16	552.92	67.64
17	553.87	70.22
18	548.35	74.46
19	540.88	77.60
20	533.15	52.78
21	539.99	65.25
22	537.44	70.19
23	537.14	62.00
24	541.28	72.58
25	544.89	73.21
26	551.74	76.98
27	560.87	70.85
28	554.48	72.09
29	554.79	73.23
30	542.71	61.63
31	*	*

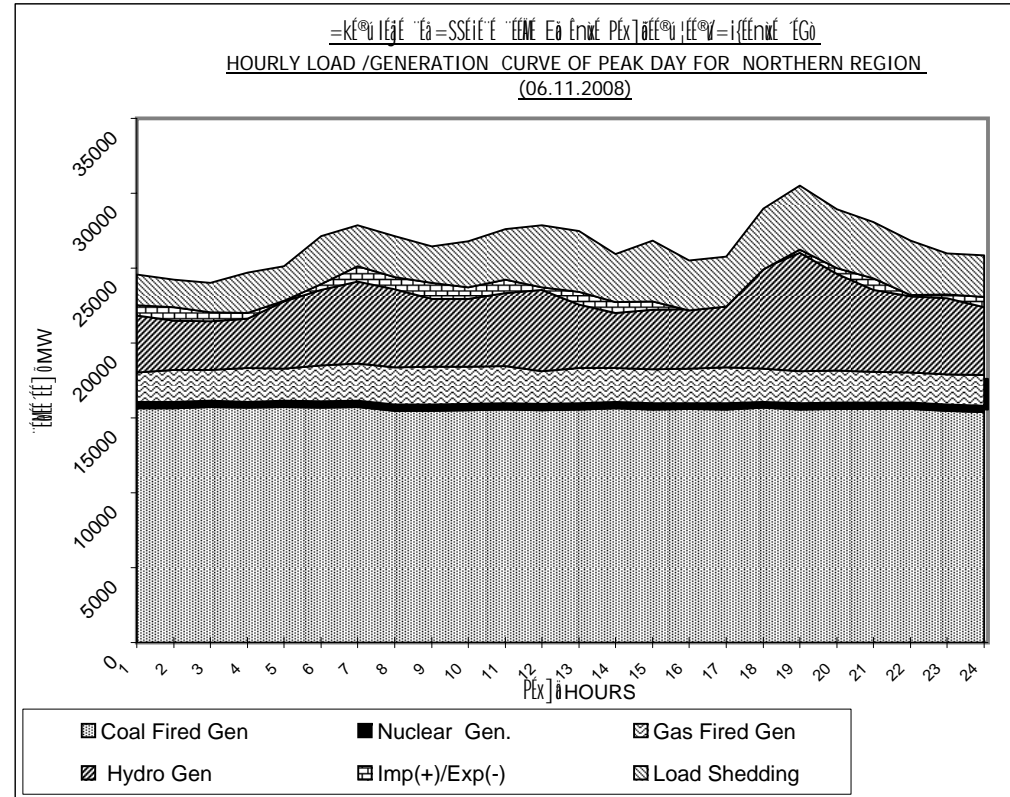


DATE	AVAILABILITY	SHORTAGE
1	25874	2916
2	25349	2785
3	25675	3255
4	26187	3746
5	26088	3160
6	26057	3510
7	26079	3585
8	25230	3545
9	24566	2955
10	25144	2526
11	26251	3229
12	25490	3076
13	25108	3260
14	25612	3677
15	24859	3784
16	24656	2795
17	25964	3185
18	24933	2335
19	25013	3091
20	25522	2520
21	25875	3251
22	25105	3539
23	25921	2200
24	25373	2520
25	24965	3801
26	25698	3569
27	26710	2376
28	25916	3305
29	26471	3244
30	25199	2434
31	*	*



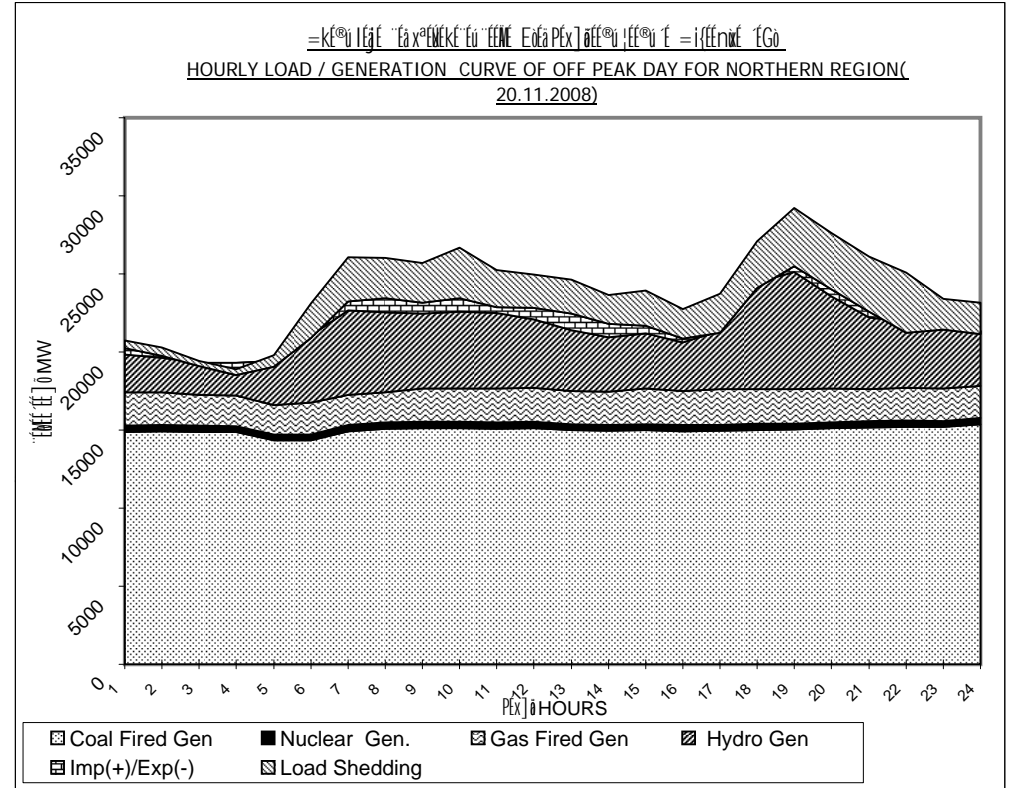
**Northern Region**

Hrs	Coal Fired Gen	Nuclear Gen.	Gas Fired Gen	Hydro Gen	Total Gen.	Imp(+)/Exp(-)	Demand Met	Load Shedding
1	15650	419	1948	3832	21849	678	22527	2037
2	15662	419	2123	3285	21489	894	22383	1852
3	15712	421	2078	3251	21462	573	22035	1987
4	15666	421	2234	3314	21635	365	22000	2708
5	15734	420	2136	4503	22793	8	22801	2331
6	15704	422	2391	5030	23547	405	23952	3166
7	15729	415	2507	5460	24111	1016	25127	2728
8	15480	423	2485	5191	23579	803	24382	2761
9	15464	420	2522	4536	22942	1060	24002	2430
10	15499	420	2495	4540	22954	756	23710	3092
11	15572	422	2449	4893	23336	897	24233	3387
12	15523	420	2195	5390	23528	205	23733	4109
13	15571	411	2337	4265	22584	816	23400	4059
14	15643	418	2265	3681	22007	714	22721	3198
15	15573	413	2279	3949	22214	580	22794	4040
16	15583	414	2305	3954	22256	-81	22175	3345
17	15560	414	2399	4080	22453	-24	22429	3346
18	15663	419	2194	6736	25012	-77	24935	4022
19	15572	416	2121	7903	26012	212	26224	4291
20	15594	419	2137	6465	24615	397	25012	3939
21	15585	423	2089	5437	23534	771	24305	3770
22	15610	421	2008	5070	23109	79	23188	3658
23	15479	420	2025	5067	22991	238	23229	2743
24	15405	424	2046	4532	22407	690	23097	2759



**Northern Region**

Hrs	Coal Fired Gen	Nuclear Gen.	Gas Fired Gen	Hydro Gen	Total Gen.	Imp(+)/Exp(-)	Demand Met	Load Shedding
1	14883	396	2132	2434	19845	387	20232	517
2	14914	396	2119	2220	19649	107	19756	542
3	14881	393	1978	2031	19283	-196	19087	347
4	14866	398	1952	2093	19309	-775	18534	348
5	14336	389	1885	2818	19428	-353	19075	731
6	14337	393	2017	4321	21068	-166	20902	2216
7	14919	389	1946	5418	22672	579	23251	2802
8	15084	395	1951	5116	22546	880	23426	2606
9	15141	398	2143	4778	22460	692	23152	2527
10	15120	401	2148	4913	22582	843	23425	3242
11	15100	400	2172	4826	22498	384	22882	2375
12	15116	397	2176	4415	22104	709	22813	2165
13	14995	390	2133	3872	21390	1060	22450	2177
14	14945	398	2121	3476	20940	846	21786	1864
15	15000	389	2275	3523	21187	484	21671	2246
16	14924	385	2200	3124	20633	245	20878	1886
17	14953	391	2288	3735	21367	-134	21233	2515
18	15000	391	2228	6856	24475	-363	24112	2990
19	15024	389	2199	7502	25114	389	25503	3716
20	15116	393	2135	5934	23578	454	24032	3606
21	15175	399	2062	4595	22231	346	22577	3530
22	15221	396	2107	4222	21946	-730	21216	3861
23	15193	387	2082	3934	21596	-181	21415	1971
24	15375	391	2052	3518	21336	-182	21154	1987

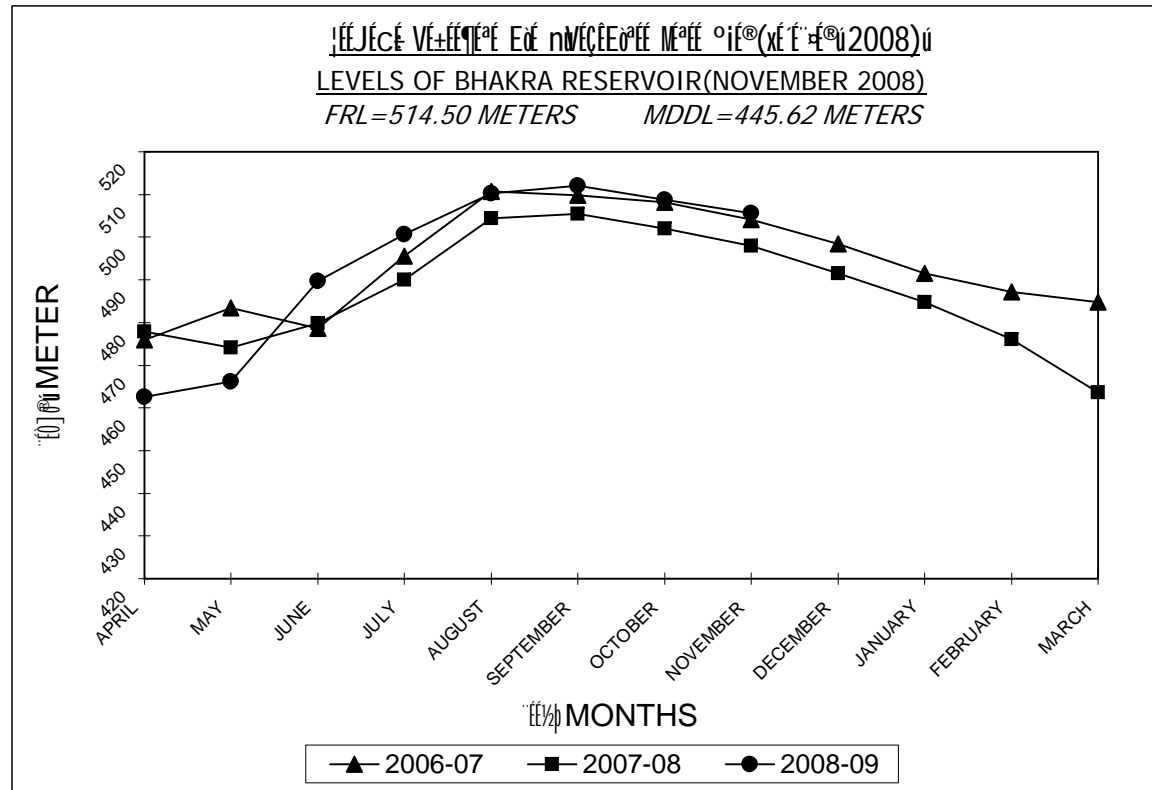


**BHAKRA  
RESERVOIR LEVEL (METERS)**

MONTH	2008-09	2007-08	2006-07
APRIL	462.52	477.8	475.94
MAY	466.25	474.19	483.38
JUNE	489.65	479.83	478.64
JULY	500.68	490.06	495.62
AUGUST	510.21	504.47	510.65
SEPTEMBER	512.00	505.46	509.82
OCTOBER	508.69	502.08	508.13
NOVEMBER	505.66	497.92	504.10
DECEMBER		491.51	498.48
JANUARY		484.82	491.52
FEBRUARY		476.09	487.14
MARCH		463.59	484.81

**GENERATION (MU)**

MONTH	2008-09	2007-08	2006-07
APRIL	258.77	529.48	356.13
MAY	370.76	540.33	597.63
JUNE	460.42	536.10	768.64
JULY	742.41	647.57	574.92
AUGUST	890.49	659.58	745.66
SEPTEMBER	711.28	643.31	595.02
OCTOBER	660.63	495.26	445.61
NOVEMBER	456.29	458.91	454.07
DECEMBER		501.57	491.92
JANUARY		454.37	475.40
FEBRUARY		410.06	320.83
MARCH		447.55	365.71

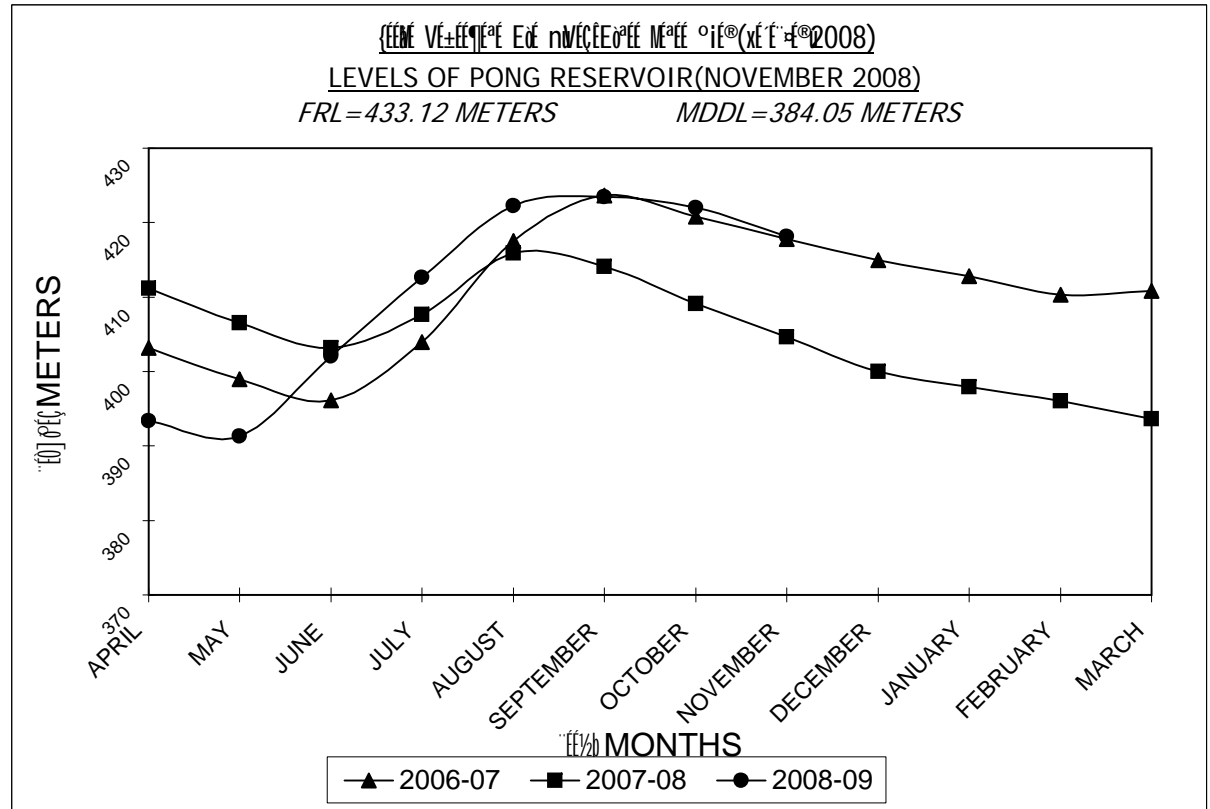


**PONG  
RESERVOIR LEVEL (METERS)**

MONTH	2008-09	2007-08	2006-07
APRIL	393.4	411.21	403.16
MAY	391.34	406.53	398.96
JUNE	402.03	403.14	396.16
JULY	412.66	407.65	403.95
AUGUST	422.30	415.90	417.53
SEPTEMBER	423.48	414.08	423.63
OCTOBER	422.01	409.11	420.82
NOVEMBER	418.13	404.67	417.77
DECEMBER		399.97	414.99
JANUARY		397.95	412.77
FEBRUARY		396.02	410.32
MARCH		393.64	410.81

**GENERATION (MU)**

MONTH	2008-09	2007-08	2006-07
APRIL	25.39	77.19	53.64
MAY	53.92	215.81	154.96
JUNE	33.20	188.50	106.31
JULY	51.26	176.52	150.05
AUGUST	214.74	178.61	67.45
SEPTEMBER	125.91	220.41	81.44
OCTOBER	134.2	227.57	154.87
NOVEMBER	201.25	157.37	171.14
DECEMBER		139.99	151.96
JANUARY		65.01	104.66
FEBRUARY		59.28	114.81
MARCH		58.83	104.60



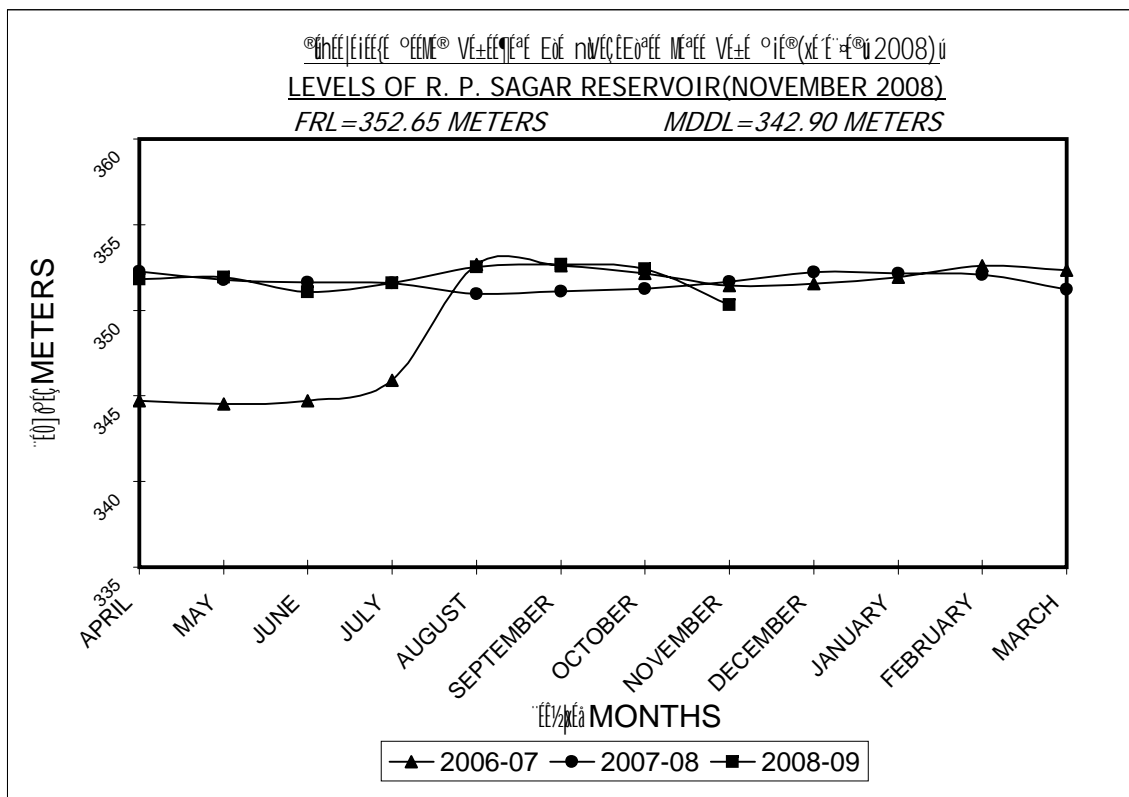


**R.P.SAGAR  
RESERVOIR LEVEL (METERS)**

MONTH	2008-09	2007-08	2006-07
APRIL	351.82	352.27	344.72
MAY	351.93	351.79	344.54
JUNE	351.07	351.64	344.70
JULY	351.58	351.58	345.92
AUGUST	352.54	350.95	352.66
SEPTEMBER	352.67	351.10	352.59
OCTOBER	352.41	351.24	352.15
NOVEMBER	350.32	351.68	351.46
DECEMBER		352.24	351.57
JANUARY		352.14	351.91
FEBRUARY		352.07	352.59
MARCH		351.20	352.35

**GENERATION (MU)**

MONTH	2008-09	2007-08	2006-07
APRIL	13.81	21.11	2.50
MAY	0.37	29.12	0.06
JUNE	41.55	58.38	0.84
JULY	17.60	101.68	0.00
AUGUST	2.68	37.76	28.89
SEPTEMBER	6.04	49.24	80.34
OCTOBER	11.54	52.42	71.96
NOVEMBER	76.39	65.22	74.22
DECEMBER		63.84	74.22
JANUARY		71.66	75.20
FEBRUARY		65.79	50.85
MARCH		59.92	44.07

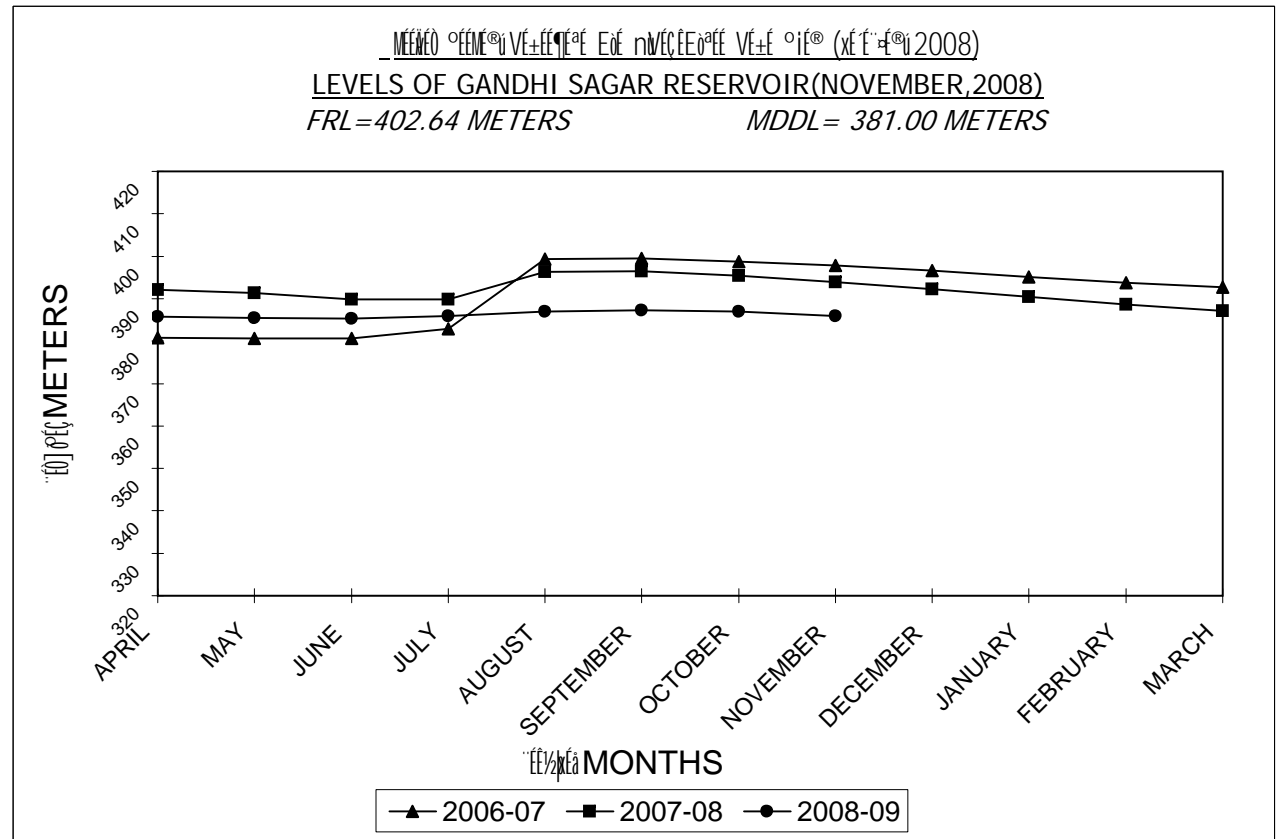


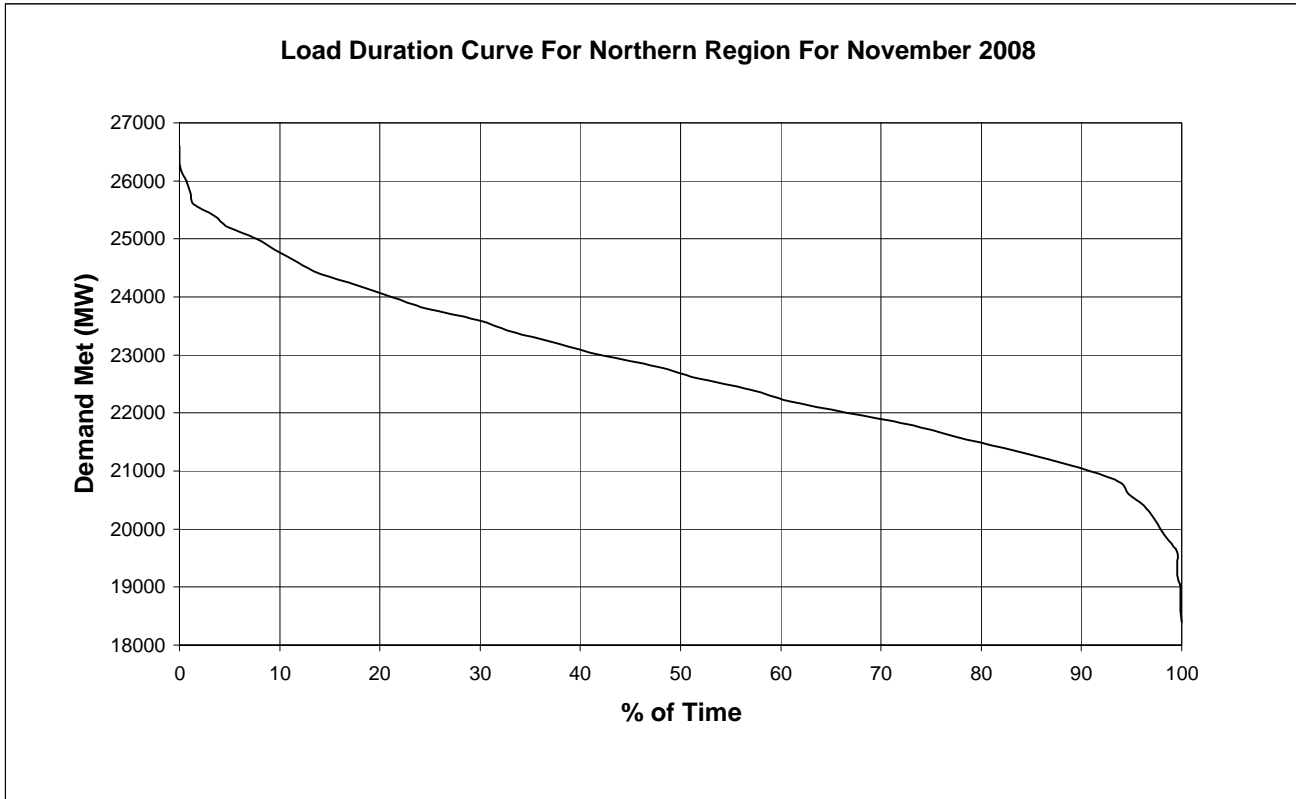
**GANDHI SAGAR  
RESERVOIR LEVEL (METERS)**

MONTH	2008-09	2007-08	2006-07
APRIL	385.76	392.15	380.76
MAY	385.43	391.38	380.57
JUNE	385.32	389.81	380.57
JULY	385.88	389.76	382.92
AUGUST	386.98	396.30	399.27
SEPTEMBER	387.21	396.40	399.51
OCTOBER	386.96	395.44	398.77
NOVEMBER	385.95	393.95	397.87
DECEMBER		392.18	396.64
JANUARY		390.46	395.16
FEBRUARY		388.62	393.82
MARCH		387.14	392.73

**GENERATION (MU)**

MONTH	2008-09	2007-08	2006-07
APRIL	23.79	15.94	0.53
MAY	3.59	17.13	0.00
JUNE	11.22	39.79	0.00
JULY	10.19	39.60	1.20
AUGUST	1.66	41.07	33.03
SEPTEMBER	0.86	43.33	55.26
OCTOBER	3.91	53.62	54.74
NOVEMBER	17.55	65.53	53.92
DECEMBER		65.47	69.88
JANUARY		52.51	73.29
FEBRUARY		45.67	56.33
MARCH		27.35	33.95





**Frequency Duration Curve For Northern Region For November 2008**  
Average Frequency: 49.53Hz

