

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त महायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 27.07.2015  
Date of Reporting : 28.07.2015

### I. Regional Availability/Demand:

Evening Peak (20:00 Hrs) MW				Off Peak (03:00 Hrs) MW				Day Energy (Net MU)	
Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
43575	2905	46480	50.09	40274	1982	42256	50.23	999.4	58.07

\* Half hourly (two 15 minutes block-one block each before and after the designated time) average frequency

### II. A. State's Load Details (At States periphery) in MUs:

State	State's Control Area Generation (Net MU)				Drawal Schedule (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	Shortages* (MU)
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	65.21	22.22		87.44	131.59	130.08	-1.51	217.51	0.00
Haryana	48.45	0.66		49.11	121.34	121.03	-0.31	170.14	0.00
Rajasthan	56.75	5.02	10.97	72.74	49.47	49.67	0.20	122.40	0.00
Delhi	13.72			13.72	88.27	86.79	-1.49	100.50	0.02
UP	127.21	11.64		138.86	144.38	144.63	0.25	283.49	49.70
Uttarakhand		24.23		24.23	15.27	15.60	0.33	39.82	0.00
HP		23.90		23.90	0.72	0.93	0.21	24.83	0.18
J & K		13.44	0.00	13.44	21.77	20.97	-0.80	34.41	8.17
Chandigarh				0.00	6.47	6.28	0.27	6.28	0.00
<b>Total</b>	<b>311.34</b>	<b>101.11</b>	<b>10.97</b>	<b>423.42</b>	<b>579.28</b>	<b>575.96</b>	<b>-2.86</b>	<b>999.38</b>	<b>58.07</b>

\* Shortage furnished by the respective constituent.\$ Others include UP Co-generation and JK Diesel

### II. B. State's Demand Met in MWs:

State	Evening Peak (20:00 Hrs) MW				Off Peak (03:00 Hrs) MW				# Max(hourly) Demand Met of Day (MW)
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	
Punjab	9409	0	-112	1640	8661	0	37	2029	9705
Haryana	7948	0	-299	1645	6727	0	373	1549	8170
Rajasthan	5599	0	160	-260	4768	0	-95	-370	6000
Delhi	4180	0	-120	350	4093	0	29	399	4799
UP	11427	2465	-218	638	12354	1765	60	1004	12687
Uttarakhand	1929	0	205	65	1505	0	16	-57	2634
HP	1046	0	-64	-1326	804	15	2	-1604	1195
J&K	1759	440	165	-444	1144	202	-116	-554	1759
Chandigarh	279	0	3	0	218	0	-17	-10	324
<b>Total</b>	<b>43575</b>	<b>2905</b>	<b>-280</b>	<b>2307</b>	<b>40274</b>	<b>1982</b>	<b>289</b>	<b>2387</b>	<b>45035</b>

\* STOA figures are at sellers boundary & PX figures are at regional boundary.

# figures may not be at simultaneous hour.

Diversity is 1.05

### III. Regional Entities :

Entity	Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI [OG:(+ve), UG: (-ve)]	
									Net MU	Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1833	1885	1430	41.94	1747	38.96	2.98	
	Rihand I STPS (2*500)	1000	843	832	672	17.26	719	15.73	1.53	
	Rihand II STPS (2*500)	1000	470	515	331	9.17	382	8.64	0.52	
	Rihand III STPS (2*500)	1000	953	924	623	17.88	745	17.51	0.37	
	Dadri I STPS (4*210)	840	810	592	601	15.00	625	14.48	0.53	
	Dadri II STPS (2*490)	980	976	717	689	16.88	703	17.06	-0.18	
	Unchahar I TPS (2*210)	420	400	291	266	6.65	277	6.90	-0.25	
	Unchahar II TPS (2*210)	420	400	266	268	6.42	267	6.72	-0.30	
	Unchahar III TPS (1*220)	210	200	138	123	3.13	131	3.36	-0.23	
	ISTPP (Jhajjar) (3*500)	1500	1425	600	614	13.70	571	14.38	-0.68	
	Dadri GPS (4*130.19+2*154.51)	830	699	189	188	5.02	209	5.36	-0.34	
	Anta GPS (3*88.71+1*153.2)	419	396	0	0	0.00	0	0.00	0.00	
	Auraiya GPS (4*111.19+2*109.30)	663	638	0	0	0.00	0	0.00	0.00	
	Dadri Solar	5	1	0	0	0.02	1	0.03	0.00	
	Unchahar Solar	10	3	0	0	0.03	1	0.06	-0.03	
	Singrauli Solar	15	3	0	0	0.08	3	0.07	0.00	
	KHEP	800	0	817	819	19.69	820	19.40	0.29	
<b>Sub Total (A)</b>	<b>12112</b>	<b>10050</b>	<b>7766</b>	<b>6624</b>	<b>173</b>	<b>7203</b>	<b>169</b>	<b>4</b>		
B. NPC	NAPS (2*220)	440	370	407	413	8.95	373	8.87	0.08	
	RAPS- B (2*220)	440	385	435	435	9.41	392	9.24	0.17	
	RAPS- C (2*220)	440	385	430	429	9.20	383	9.24	-0.04	
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1140</b>	<b>1272</b>	<b>1277</b>	<b>27.56</b>	<b>1148</b>	<b>27.35</b>	<b>0.21</b>	
C. NHPC	Chamera I HPS (3*180)	540	537	551	540	13.00	542	12.89	0.12	
	Chamera II HPS (3*100)	300	294	301	203	6.59	275	6.59	0.01	
	Chamera III HPS (3*77)	231	229	237	231	5.59	233	5.50	0.09	
	Bairasuil HPS(3*60)	180	179	186	184	4.10	171	4.00	0.10	
	Salal-HPS (6*115)	690	529	672	30	13.11	546	12.64	0.47	
	Tanakpur-HPS (3*40)	94	92	94	95	2.22	92	2.20	0.02	
	Uri-I HPS (4*120)	480	475	470	468	11.40	475	11.40	0.00	
	Uri-II HPS (4*60)	240	180	182	183	4.35	181	4.32	0.03	
	Dhauliganga-HPS (4*70)	280	280	279	272	6.67	278	6.72	-0.05	
	Dulhasti-HPS (3*130)	390	386	398	379	9.25	386	9.26	-0.01	
	Sewa-II HPS (3*40)	120	119	129	118	2.97	124	2.86	0.11	
	Parbati 3 (4*130)	520	390	259	264	5.97	249	5.98	-0.01	
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3690</b>	<b>3758</b>	<b>2967</b>	<b>85</b>	<b>3551</b>	<b>84</b>	<b>1</b>	
	D. SJVNL	NJPC (6*250)	1500	1605	1622	1536	38.02	1584	38.52	-0.50
Rampur HEP (6*68.67)		412	428	425	426	10.28	428	10.27	0.01	
<b>Sub Total (D)</b>		<b>1912</b>	<b>2033</b>	<b>2047</b>	<b>1962</b>	<b>48.30</b>	<b>2013</b>	<b>48.79</b>	<b>-0.49</b>	
E. THDC	Tehri HPS (4*250)	1000	872	877	841	19.92	830	19.94	-0.02	
	Koteswar HPS (4*100)	400	318	400	295	7.44	310	7.62	-0.18	
	<b>Sub Total (E)</b>	<b>1400</b>	<b>1190</b>	<b>1277</b>	<b>1136</b>	<b>27.36</b>	<b>1140</b>	<b>27.56</b>	<b>-0.20</b>	
F. BBMB	Bhakra HPS (3*108+2*126+5*157)	1361	1431	1457	1458	34.72	1447	34.34	0.38	
	Dehar HPS (6*165)	990	602	660	560	14.56	607	14.44	0.12	
	Pong HPS (6*66)	396	351	384	384	8.58	358	8.44	0.15	
	<b>Sub Total (F)</b>	<b>2747</b>	<b>2384</b>	<b>2501</b>	<b>2402</b>	<b>57.86</b>	<b>2411</b>	<b>57.22</b>	<b>0.64</b>	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	231	230	5.49	229	5.36	0.13	
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1200	1200	28.54	1189	28.52	0.02	
	Malana Stg-II HPS (2*50)	100	0	111	111	2.63	109	2.47	0.15	
	Shree Cement TPS (2*150)	300	0	294	290	6.66	277	7.15	-0.50	
	Budhil HPS(IPP) (2*35)	70	0	74	73	1.74	73	1.67	0.07	
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1909</b>	<b>1904</b>	<b>45.06</b>	<b>1877</b>	<b>45.19</b>	<b>-0.13</b>	
<b>H. Total Regional Entities (A-G)</b>	<b>25219</b>	<b>20487</b>	<b>20530</b>	<b>18272</b>	<b>464.23</b>	<b>19343</b>	<b>459.13</b>	<b>5.10</b>		

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sent out MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	930	870	20.65	860
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	80	80	1.78	74
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	547	782	14.83	618
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1089	708	20.56	857
	Talwandi Saboo (1*660)	660	325	344	7.39	308
	<b>Thermal (Total)</b>	<b>4700</b>	<b>2971</b>	<b>2784</b>	<b>65.21</b>	<b>2717</b>
	Total Hydro	1000	931	916	22.22	926
	<b>Total Punjab</b>	<b>5700</b>	<b>3902</b>	<b>3700</b>	<b>87.44</b>	<b>3643</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	395	401	8.92
DCRTPP (Yamuna nagar) (2*300)		600	479	477	11.29	470
Faridabad GPS (NTPC)		432	0	0	0.00	0
RGTPP (Khedar) (IPP) (2*600)		1200	370	368	8.74	364
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	1047	704	19.49	812
<b>Thermal (Total)</b>		<b>4944</b>	<b>2291</b>	<b>1950</b>	<b>48.45</b>	<b>2019</b>
Total Hydro		62	28	27	0.66	28
<b>Total Haryana</b>		<b>5006</b>	<b>2319</b>	<b>1977</b>	<b>49.11</b>	<b>2046</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	259	221	5.30
	suratgarh TPS (6*250)	1500	190	191	4.34	181
	Chabra TPS (4*250)	1000	155	99	3.78	158
	Dholpur GPS (3*110)	330	0	0	0.00	0
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	58	158	2.55	106
	RAPS A (NPC) (1*100+1*200)	300	175	176	4.02	168
	Barsingar (NLC) (2*125)	250	77	77	1.82	76
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	458	443	11.17	465
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	373	450	9.27	386
	Kawai(Adani) (2*660)	1320	448	702	14.51	604
	<b>Thermal (Total)</b>	<b>8276</b>	<b>2193</b>	<b>2517</b>	<b>57</b>	<b>2364</b>
	Total Hydro	550	184	208	5.02	209
	Wind power	3214	590	225	10.53	439
	Biomass	99	18	18	0.44	18
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	608	243	10.97	457
	<b>Total Rajasthan</b>	<b>12869</b>	<b>2985</b>	<b>2968</b>	<b>72.74</b>	<b>3031</b>
	UP	Anpara TPS (3*210+2*500)	1630	1247	1292	30.22
Obra TPS (2*50+2*94+5*200)		1194	402	306	8.37	349
Paricha TPS (2*110+2*220+2*250)		1140	626	744	16.57	690
Panki TPS (2*105)		210	126	122	2.98	124
Harduaganj TPS (1*60+1*105+2*250)		665	441	444	10.42	434
Tanda TPS (NTPC) (4*110)		440	320	360	8.73	364
Roza TPS (IPP) (4*300)		1200	752	824	19.13	797
Anpara-C (IPP) (2*600)		1200	900	788	20.53	855
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	317	403	9.08	378
Anpara-D(1*500)		500	0	0	0.00	0
Lalitpur TPS(1*660)		660	0	0	0.00	0
<b>Thermal (Total)</b>		<b>9289</b>	<b>5131</b>	<b>5283</b>	<b>126</b>	<b>5251</b>
Vishnuparyag HPS (IPP)(including Alakanada)		730	292	286	6.34	264
Other Hydro		527	371	296	5.30	221
Cogeneration		981	50	50	1.20	50
<b>Total UP</b>		<b>11527</b>	<b>5844</b>	<b>5915</b>	<b>138.86</b>	<b>5521</b>
Uttarakhand		Total Hydro	1398	1003	1012	24.23
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>1003</b>	<b>1012</b>	<b>24.23</b>	<b>1010</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.04	-2
	Delhi Gas Turbine (6x30 + 3x34)	282	69	69	1.68	70
	Pragati Gas Turbine (2x104+ 1x122)	330	127	128	3.13	130
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	0	0	-0.11	-5
	Badarpur TPS (NTPC) (3*95+2*210)	705	394	379	9.07	378
	<b>Thermal (Total)</b>	<b>2917</b>	<b>590</b>	<b>576</b>	<b>13.72</b>	<b>572</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>590</b>	<b>576</b>	<b>13.72</b>	<b>572</b>
HP	Baspa HPS (IPP) (2*100)	300	332	332	7.59	316
	Malana HPS (IPP) (2*43)	86	95	95	2.26	94
	Other Hydro	878	585	549	14.05	586
	<b>Total HP</b>	<b>1264</b>	<b>1012</b>	<b>976</b>	<b>23.90</b>	<b>996</b>
J & K	Baglihar HPS (IPP) (3*150)	450	450	450	10.80	450
	Other Hydro/IPP	560	109	113	2.64	110
	Gas/Diesel/Others	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1200</b>	<b>559</b>	<b>563</b>	<b>13.44</b>	<b>560</b>
<b>Total State Control Area Generation</b>		<b>41881</b>	<b>18214</b>	<b>17687</b>	<b>423.42</b>	<b>17378</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>7447.85</b>	<b>5859.14</b>	<b>151.30</b>	<b>6304</b>
<b>Total Regional Availability(Gross)</b>		<b>67100</b>	<b>46191</b>	<b>41818</b>	<b>1038.95</b>	<b>43025</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	12216	11941	10827	275.10	11462
State Control Area Hydro	5811	4088	3998	101.11	3949
<b>Total Regional Hydro</b>	<b>18027</b>	<b>16029</b>	<b>14825</b>	<b>376.21</b>	<b>15411</b>

**V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]**

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
Vindhychal B/B	300	400	500	0	7.55	0.00	7.55
Gwalior-Agra (D/C)	2397	1927	2588	0	48.09	0.00	48.09
Zerda-Kankroli	18	-78	18	162	0.00	2.07	-2.07
Zerda-Bhinmal	-12	-37	19	239	0.00	2.67	-2.67
Malanpur-Auraiya	-28	2	0	9	0.50	0.50	0.00
Badod-Kota/Morak	66	45	88	0	0.97	0.00	0.97
Mundra-Mohinderqarh(HVDC)	2397	1501	2505	0	47.88	0.00	47.88
Vindhychal - Rihand	336	273	336	0	6.93	0.00	6.93
<b>Sub Total WR</b>	<b>5474</b>	<b>4033</b>			<b>111.92</b>	<b>5.24</b>	<b>106.68</b>
Pusauli Bypass	400	400	400	0	9.32	0.00	9.32
MZP- GKP (D/C)	410	480	504	0	10.04	0.00	10.04
Patna-Balia(D/C)	199	246	318	0	5.63	0.00	5.63
B'Sharif-Balia (D/C)	99	162	212	0	3.21	0.00	3.21
Pusauli-Balia	7	109	125	31	0.69	0.00	0.69
Gaya-Fatehpur (765 Kv)	320	110	362	0	5.05	0.00	5.05
Pusauli-Sahupuri	178	162	213	0	4.25	0.00	4.25
K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
Son Ngr-Rihand	-33	-40	0	40	0.00	0.78	-0.78
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 Kv)	140	-39	191	57	1.33	0.00	1.33
Barh -GKP (D/C)	254	237	288	0	5.40	0.00	5.40
<b>Sub Total ER</b>	<b>1974</b>	<b>1826</b>			<b>45.40</b>	<b>0.78</b>	<b>44.62</b>
<b>Total IR Exch</b>	<b>7448</b>	<b>5859</b>			<b>157.31</b>	<b>6.02</b>	<b>151.30</b>

**V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]**

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
30.30	3.97	34.27	14.01	14.47	0.41	-0.20	2.30	-2.30

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Inclds Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
50.99	90.33	141.32	44.62	106.68	151.30	-6.37	16.35	9.98

**V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]**

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendamaagar	-26	-28	0	39	0	1	-0.58

**VI. Frequency Profile** <----- % of Time Frequency ----->

<49.2	<49.7	<49.8	<49.9	<50.0	49.9-50.05	50.05-50.10	50.10-50.20	>50.20	>50.50
0.00	0.00	0.31	4.63	30.73	52.18	19.66	21.18	2.52	0.00

Frequency (Hz)				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX	MIN
Freq	Time	Freq	Time	Hz			(Hz)	(Hz)
50.31	13.01	49.76	19.25	50.04	0.09	0.08	50.34	49.97

**VII. Voltage profile 400 kV**

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV
Rihand	400	407	08:03	398	20:04	0.0	0.0	0.0	0.0
Gorakhpur	400	415	07:19	398	13:51	0.0	0.0	0.0	0.0
Bareilly	400	418	08:00	396	20:00	0.0	0.0	0.0	0.0
Kanpur	400	416	03:56	397	14:39	0.0	0.0	0.0	0.0
Dadri	400	413	08:01	396	14:19	0.0	0.0	0.0	0.0
Ballabhgarh	400	418	03:53	398	14:41	0.0	0.0	0.0	0.0
Bawana	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Bassi	400	426	02:09	407	09:30	0.0	0.0	36.9	0.0
Hissar	400	406	03:57	390	14:19	0.0	0.0	0.0	0.0
Moga	400	405	02:52	390	14:40	0.0	0.0	0.0	0.0
Abdullapur	400	395	23:44	396	13:58	0.0	60.7	0.0	0.0
Nalagarh	400	406	03:58	386	14:10	0.0	8.3	0.0	0.0
Kishenpur	400	411	02:56	398	20:10	0.0	0.0	0.0	0.0
Wagoora	400	405	03:25	386	09:39	0.0	5.7	0.0	0.0

**VIII. Voltage profile 765 kV**

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV
Fatehpur	765	782	03:58	749	14:41	0.0	0.0	0.0	0.0
Balia	765	770	07:19	742	14:37	0.0	0.0	0.0	0.0
Moga	765	778	03:58	742	14:43	0.0	0.0	0.0	0.0
Agra	765	786	04:00	754	11:42	0.0	0.0	0.0	0.0
Bhiwani	765	785	03:42	755	13:45	0.0	0.0	0.0	0.0
Unnao	765	765	05:12	731	14:42	0.0	28.4	0.0	0.0

**IX. Reservoir Parameters:**

Name of Reservoir	Parameters		Present Parameters		Last Year		Last day	
	FRL (m)	MDDL (m)	Level (m)	Energy (MU)	Level (m)	Energy (MU)	Inflow (m <sup>3</sup> /s)	Usage (m <sup>3</sup> /s)
Bhakra	513.59	445.62	501.67	1166.44	500.17	1101.35	1680.12	1168.97
Pong	426.72	384.05	414.50	656.23	404.82	336.10	1230.28	522.39
Tehri	829.79	740.04	791.65	480.00	785.25	385.20	782.68	542.00
Koteshwar	612.50	598.50	609.89	4.69	611.41	5.27	542.00	490.12
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	530.30	352.17
Rihand	268.22	252.98	848.30	228.60	837.60	88.20	0.00	0.00
RPS	352.80	343.81	1155.72	0.00	0.00	0.00	0.00	0.00
Jawahar Sagar	298.70	295.78	0.00	0.00	0.00	0.00	0.00	0.00
RSD	527.91	487.91	523.22	10.76	519.50	11.41	456.68	420.19

\* NA: Not Available

**X(A). Short-Term Open Access Details:**

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (20:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	1813	216	0	1546	94	0	41.47	3.81	45.28
Delhi	259	142	-2	460	-83	-27	10.22	-0.26	9.96
Haryana	1380	170	0	1478	167	0	33.45	0.11	33.56
HP	-1384	-220	0	-1080	-246	0	-28.15	-6.18	-34.32
J&K	-535	-20	0	-484	40	0	-12.01	-0.56	-12.58
CHD	0	-10	0	0	0	0	0.24	0.07	0.30
Rajasthan	-496	125	2	-494	232	2	-11.89	10.04	-1.85
UP	1004	0	0	638	0	0	15.65	0.00	15.65
Uttarakhand	-57	0	0	-57	97	24	-1.36	1.76	0.40
<b>Total</b>	<b>1984</b>	<b>402</b>	<b>0</b>	<b>2007</b>	<b>301</b>	<b>-1</b>	<b>47.61</b>	<b>8.80</b>	<b>56.41</b>

**X(B). Short-Term Open Access Details:**

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	2011	1546	216	94	0	0
Delhi	751	65	330	-324	0	-27
Haryana	1561	1315	209	-394	0	0
HP	-1080	-1384	-203	-414	0	0
J&K	-433	-585	40	-35	0	0
CHD	29	0	25	-20	0	0
Rajasthan	-494	-497	589	30	2	0
UP	1019	444	0	0	0	0
Uttarakhand	-57	-57	195	0	24	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 27.07.2015 :**

Normal

**XIV. Synchronisation of new generating units :****XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :****XVI. Tripping of lines in pooling stations :****XVII. Complete generation loss in a generating station :**