

# 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 11.06.2015**  
Date of Reporting : 12.06.2015

### 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
42736	1853	44589	50.05	43010	1538	44548	50.17	1029.6	49.39

\* 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	40.53	15.48		56.02	107.26	107.38	0.12	163.39	0.00
Haryana	47.01	0.67		47.68	109.90	108.45	-1.46	156.12	0.00
Rajasthan	106.80	0.00	13.96	120.76	63.04	60.93	-2.11	181.68	0.00
Delhi	23.26			23.26	92.57	91.94	-0.63	115.19	0.07
UP	146.08	18.15		164.24	139.25	139.68	0.44	303.92	40.64
Uttarakhand		22.54		22.54	19.50	20.36	0.86	42.90	0.24
HP		20.29		20.29	4.62	4.28	-0.35	24.57	0.00
J & K		15.03	0.00	15.03	20.69	20.64	-0.06	35.66	8.44
Chandigarh				0.00	6.23	6.15	0.27	6.15	0.00
<b>Total</b>	<b>363.68</b>	<b>92.16</b>	<b>13.96</b>	<b>469.79</b>	<b>563.06</b>	<b>559.79</b>	<b>-2.92</b>	<b>1029.59</b>	<b>49.39</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	7558	0	-146	1048	5833	0	23	1195	8062
Haryana	6784	0	-262	911	6985	0	-79	1087	7665
Rajasthan	6572	0	-170	71	8001	0	-194	275	8544
Delhi	4691	0	-36	385	4993	0	61	588	5624
UP	12247	1370	-334	947	13280	1340	316	1158	13521
Uttarakhand	1911	40	37	194	1708	0	74	129	1940
HP	950	0	-151	-1062	865	0	9	-1214	1191
J&K	1772	443	135	-348	1122	198	-233	-589	1778
Chandigarh	252	0	-2	0	224	0	-12	10	324
<b>Total</b>	<b>42736</b>	<b>1853</b>	<b>-930</b>	<b>2146</b>	<b>43010</b>	<b>1538</b>	<b>-35</b>	<b>2638</b>	<b>45820</b>

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

# figures may not be at simultaneous hour.

UI/OA/PX (OD/Import: (+ve), UD/Export: (-ve)) Diversity is 1.06

### III. Regional Entities :

Entity	Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
				(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1735	1390	1992	43.74	1822	40.85	2.89
	Rihand I STPS (2*500)	1000	450	410	349	10.14	423	9.65	0.49
	Rihand II STPS (2*500)	1000	943	849	900	21.46	894	20.47	0.99
	Rihand III STPS (2*500)	1000	943	808	726	19.74	823	18.85	0.89
	Dadri I STPS (4*210)	840	815	666	698	17.05	710	16.86	0.18
	Dadri II STPS (2*490)	980	980	744	778	18.43	768	18.94	-0.51
	Unchahar I TPS (2*210)	420	402	286	287	7.81	325	8.15	-0.34
	Unchahar II TPS (2*210)	420	401	303	258	6.75	281	7.02	-0.27
	Unchahar III TPS (1*220)	210	200	123	122	3.32	138	3.52	-0.21
	ISTPP (Jhajihar) (3*500)	1500	1000	632	635	14.68	612	14.95	-0.27
	Dadri GPS (4*130.19+2*154.51)	830	792	344	349	8.34	347	8.25	0.09
	Anta GPS (3*88.71+1*153.2)	419	381	239	196	5.53	230	5.41	0.12
	Auraiya GPS (4*111.19+2*109.30)	663	627	291	189	6.14	256	6.11	0.03
	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	0.07	3	0.07	0.00
KHEP	400	0	0	0	0.00	0	0.00	0.00	
<b>Sub Total (A)</b>	<b>11712</b>	<b>9675</b>	<b>7085</b>	<b>7479</b>	<b>183</b>	<b>7635</b>	<b>179</b>	<b>4</b>	
B. NPC	NAPS (2*220)	440	386	422	423	9.18	383	9.26	-0.08
	RAPS- B (2*220)	440	367	202	369	8.86	369	8.81	0.05
	RAPS- C (2*220)	440	410	441	444	9.51	396	9.84	-0.33
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1163</b>	<b>1065</b>	<b>1236</b>	<b>27.55</b>	<b>1148</b>	<b>27.91</b>	<b>-0.36</b>
C. NHPC	Chamera I HPS (3*180)	540	534	547	535	12.96	540	12.82	0.14
	Chamera II HPS (3*100)	300	300	310	307	7.36	307	7.20	0.16
	Chamera III HPS (3*77)	231	231	235	225	5.59	233	5.55	0.04
	Bairasuil HPS(3*60)	180	179	183	62	2.83	118	2.74	0.08
	Salal-HPS (6*115)	690	661	672	672	16.23	676	15.87	0.36
	Tanakpur-HPS (3*40)	94	63	61	63	1.51	63	1.48	0.03
	Uri-I HPS (4*120)	480	475	478	475	11.63	485	11.40	0.23
	Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
	Dhauliganga-HPS (4*70)	280	270	216	211	5.34	223	5.27	0.07
	Dulhasti-HPS (3*130)	390	386	393	395	9.31	388	9.26	0.05
	Sewa-II HPS (3*40)	120	119	125	43	2.47	103	2.39	0.09
	Parbati 3 (4*130)	520	390	390	132	3.98	166	3.93	0.06
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3609</b>	<b>3610</b>	<b>3119</b>	<b>79</b>	<b>3300</b>	<b>78</b>	<b>1</b>
D. SJVNL	NJPC (6*250)	1500	1605	1605	1605	38.50	1604	38.52	-0.02
	Rampur HEP (6*68.67)	412	442	451	447	10.67	444	10.41	0.25
<b>Sub Total (D)</b>	<b>1912</b>	<b>2047</b>	<b>2056</b>	<b>2052</b>	<b>49.16</b>	<b>2048</b>	<b>48.93</b>	<b>0.23</b>	
E. THDC	Tehri HPS (4*250)	1000	528	524	273	10.49	437	10.50	-0.01
	Koteshwar HPS (4*100)	400	300	298	190	5.12	214	5.10	0.02
<b>Sub Total (E)</b>	<b>1400</b>	<b>828</b>	<b>822</b>	<b>463</b>	<b>15.62</b>	<b>651</b>	<b>15.60</b>	<b>0.02</b>	
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	1007	1314	761	24.22	1009	24.16	0.06
	Dehar HPS (6*165)	990	604	825	560	14.80	617	14.49	0.32
	Pong HPS (6*66)	396	67	258	0	1.61	67	1.60	0.00
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1677</b>	<b>2397</b>	<b>1321</b>	<b>40.63</b>	<b>1693</b>	<b>40.25</b>	<b>0.38</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	163	175	3.86	161	3.59	0.28
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1200	1200	28.48	1187	28.51	-0.04
	Malana Stg-II HPS (2*50)	100	0	65	70	1.80	75	1.71	0.09
	Shree Cement TPS (2*150)	300	0	292	293	6.97	290	6.95	0.02
	Budhil HPS(IPP) (2*35)	70	0	73	36	1.38	58	1.33	0.05
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1794</b>	<b>1773</b>	<b>42.49</b>	<b>1770</b>	<b>42.09</b>	<b>0.40</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24972</b>	<b>18999</b>	<b>18828</b>	<b>17443</b>	<b>437.89</b>	<b>18245</b>	<b>431.86</b>	<b>6.03</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	690	480	13.84	577
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	80	80	2.00	83
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	440	460	9.60	400
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1039	352	15.09	629
	Talwandi Saboo (1*660)	660	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>4680</b>	<b>2249</b>	<b>1372</b>	<b>40.53</b>	<b>1689</b>
	Total Hydro	1148	601	625	15.48	645
	<b>Total Punjab</b>	<b>5828</b>	<b>2850</b>	<b>1997</b>	<b>56.02</b>	<b>2334</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	508	545	11.78	491
Faridabad GPS (NTPC)		432	177	173	4.53	189
RGTTP (Khedar) (IPP) (2*600)		1200	370	130	7.92	330
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CL.P) (2*660)		1320	1132	1210	22.77	949
<b>Thermal (Total)</b>		<b>4944</b>	<b>2187</b>	<b>2058</b>	<b>47.01</b>	<b>1959</b>
Total Hydro		62	29	17	0.67	28
<b>Total Haryana</b>		<b>5006</b>	<b>2216</b>	<b>2075</b>	<b>47.68</b>	<b>1987</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	937	946	22.69
	suratgarh TPS (6*250)	1500	926	949	21.79	908
	Chabra TPS (4*250)	1000	375	375	9.09	379
	Dholpur GPS (3*110)	330	104	103	2.52	105
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	48	57	1.24	52
	RAPS A (NPC) (1*100+1*200)	300	138	139	3.39	141
	Barsingar (NLC) (2*125)	250	0	0	0.00	0
	Giral LTPS (2*125)	250	74	90	1.76	73
	Rajwest LTPS (IPP) (8*135)	1080	436	841	13.99	583
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	786	849	19.57	815
	Kawai(Adani) (2*660)	1320	471	464	10.77	449
	<b>Thermal (Total)</b>	<b>8276</b>	<b>4295</b>	<b>4813</b>	<b>107</b>	<b>4450</b>
	Total Hydro	550	0	0	0.00	0
	Wind power	2798	178	794	13.48	562
	Biomass	99	20	20	0.48	20
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	3627	198	814	13.96	581
	<b>Total Rajasthan</b>	<b>12453</b>	<b>4493</b>	<b>5627</b>	<b>120.76</b>	<b>5032</b>
	UP	Anpara TPS (3*210+2*500)	1630	1306	1328	31.13
Obra TPS (2*50+2*94+5*200)		1194	437	419	10.14	423
Paricha TPS (2*110+2*220+2*250)		1140	716	722	17.23	718
Panki TPS (2*105)		210	50	126	1.79	75
Harduaganj TPS (1*60+1*105+2*250)		665	446	446	10.56	440
Tanda TPS (NTPC) (4*110)		440	372	360	8.99	374
Roza TPS (IPP) (4*300)		1200	1058	1062	25.55	1064
Anpara-C (IPP) (2*600)		1200	1062	1044	25.97	1082
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	403	403	9.57	399
Anpara-D		500	122	119	2.27	94
<b>Thermal (Total)</b>		<b>8629</b>	<b>5972</b>	<b>6029</b>	<b>143</b>	<b>5967</b>
Vishnuparyag HPS (IPP)(including Alakananda)		400	633	597	14.53	605
Other Hydro		527	111	265	3.62	151
Cogeneration		981	120	120	2.88	120
<b>Total UP</b>		<b>10537</b>	<b>6836</b>	<b>7011</b>	<b>164.24</b>	<b>6238</b>
Uttarakhand		Total Hydro	1398	971	842	22.54
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>971</b>	<b>842</b>	<b>22.54</b>	<b>939</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	69	37	1.66	69
	Pragati Gas Turbine (2x104+ 1x122)	330	264	262	6.30	263
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	271	278	6.72	280
	Badarpur TPS (NTPC) (3*95+2*210)	705	235	235	8.60	359
	Thermal (Total)	2917	839	812	23.26	969
	<b>Total Delhi</b>	<b>2917</b>	<b>839</b>	<b>812</b>	<b>23.26</b>	<b>969</b>
HP	Baspa HPS (IPP) (2*100)	300	302	312	7.55	314
	Malana HPS (IPP) (2*43)	86	59	63	1.45	61
	Other Hydro	728	497	460	11.29	471
	<b>Total HP</b>	<b>1114</b>	<b>858</b>	<b>835</b>	<b>20.29</b>	<b>845</b>
J & K	Baglihar HPS (IPP) (3*150)	450	442	442	10.62	442
	Other Hydro/IPP	436	198	192	4.41	184
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>640</b>	<b>634</b>	<b>15.03</b>	<b>626</b>
<b>Total State Control Area Generation</b>		<b>40347</b>	<b>19703</b>	<b>19833</b>	<b>469.79</b>	<b>18969</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>6328.05</b>	<b>6414.17</b>	<b>150.47</b>	<b>6270</b>
<b>Total Regional Availability(Gross)</b>		<b>65319</b>	<b>44859</b>	<b>43690</b>	<b>1058.15</b>	<b>43484</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11969	10313	8400	218.75	9115
State Control Area Hydro	5684	3210	3218	92.16	3234
<b>Total Regional Hydro</b>	<b>17654</b>	<b>13523</b>	<b>11618</b>	<b>310.91</b>	<b>12349</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	MW	MW	Import	Export	Import	Export	
	Vindhychal B/B	200	100	500	400	3.28	1.69	1.59	
Gwalior-Agra (D/C)	1829	1817	2167	0	42.04	0.00	42.04		
Zerda-Kankroli	-74	-147	0	230	0.00	3.62	-3.62		
Zerda-Bhinmal	68	33	116	135	0.00	0.75	-0.75		
Malanpur-Auraiya	0	0	0	0	0.00	0.00	0.00		
Badod-Kota/Morak	-96	-63	20	62	0.00	0.65	-0.65		
Mundra-Mohinderqarh(HVDC)	2500	2402	2506	0	59.17	0.00	59.17		
Vindhychal - Rihand	495	448	495	0	9.98	0.00	9.98		
<b>Sub Total WR</b>	<b>4922</b>	<b>4590</b>			<b>114.46</b>	<b>6.70</b>	<b>107.76</b>		
Pusauli Bypass	350	350	350	0	7.30	0.00	7.30		
MZP- GKP (D/C)	110	364	433	0	7.17	0.00	7.17		
Patna-Balia(D/C)	337	302	503	0	8.26	0.00	8.26		
B'Sharif-Balia (D/C)	-68	62	111	94	0.67	0.00	0.67		
Pusauli-Balia	66	111	167	0	1.44	0.00	1.44		
Gaya-Fatehpur (765 Kv)	175	174	421	0	6.23	0.00	6.23		
Pusauli-Sahupuri	172	182	188	0	3.91	0.00	3.91		
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00		
Son Ngr-Rihand	0	0	0	0	0.00	0.00	0.00		
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
Sasaram - Fatehpur(765 Kv)	-64	3	170	77	1.06	0.00	1.06		
Barh -GKP (D/C)	328	276	373	0	6.67	0.00	6.67		
<b>Sub Total ER</b>	<b>1406</b>	<b>1824</b>			<b>42.71</b>	<b>0.00</b>	<b>42.71</b>		
<b>Total IR Exch</b>	<b>6328</b>	<b>6414</b>			<b>157.17</b>	<b>6.70</b>	<b>150.47</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
37.60	2.91	40.51	32.21	0.88	-1.16	-0.11	0.54	-0.54
<b>Total IR Schedule (MU)</b>			<b>Total IR Actual (MU)</b>			<b>Net IR UI (MU)</b>		
Through ER	Through WR Inclds Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
72.09	77.74	149.83	42.71	107.76	150.47	-29.38	30.02	0.64

**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	MW	MW	Import	Export	Import	Export	
	132 KV Tanakpur - Mahendamaragar	-24	-24	0	35	0	1	-0.65	

**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	0.73	8.46	42.99	59.80	21.17	9.58	1.06	NA

Frequency (Hz)				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN (Hz)
Freq	Time	Freq	Time	Hz				
50.25	19.03	49.75	23.08	50.01	0.07	0.08	50.27	49.93

**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	06:19	397	15:41	0.0	0.0	0.0	0.0
Gorakhpur	400	415	05:11	400	23:13	0.0	0.0	1.0	0.0
Bareilly	400	418	08:00	396	20:00	0.0	0.0	0.0	0.0
Kanpur	400	416	05:06	395	00:46	0.0	0.0	0.0	0.0
Dadri	400	414	05:08	392	14:33	0.0	0.0	0.0	0.0
Ballabgarh	400	421	05:06	398	23:05	0.0	0.0	0.5	0.0
Bawana	400	414	05:04	396	23:05	0.0	0.0	0.0	0.0
Bassi	400	425	19:04	400	23:05	0.0	0.0	7.3	0.0
Hissar	400	405	05:06	385	22:35	0.0	12.9	0.0	0.0
Moga	400	414	05:03	395	22:33	0.0	0.0	0.0	0.0
Abdullapur	400	410	05:05	396	00:43	0.0	11.3	0.0	0.0
Nalagarh	400	411	05:03	392	15:41	0.0	0.0	0.0	0.0
Kishenpur	400	415	05:02	400	21:14	0.0	0.0	0.0	0.0
Wagoora	400	406	02:29	379	21:14	0.2	22.2	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	786	05:06	747	23:16	0.0	0.0	0.0	0.0
Balia	765	778	05:10	742	23:13	0.0	0.0	0.0	0.0
Moga	765	792	05:04	755	22:36	0.0	0.0	0.0	0.0
Agra	765	793	05:06	750	22:34	0.0	0.0	0.0	0.0
Bhiwani	765	790	05:02	756	22:35	0.0	0.0	0.0	0.0
Unnao	765	0	00:00	9999	00:00	0.0	0.0	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	487.17	644.48	481.74	495.33	1018.44	579.76
Pong	426.72	384.05	405.76	361.16	402.19	266.33	130.00	111.91
Tehri	829.79	740.04	744.50	21.00	742.20	10.00	215.16	364.00
Koteshwar	612.50	598.50	608.99	4.10	610.16	4.69	364.00	340.00
Chamera-I	760.00	748.75	753.60	0.00	0.00	0.00	354.53	351.01
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	0.00	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	521.75	7.47	520.40	6.22	312.41	210.73

\* 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	1179	16	0	1048	0	0	27.62	0.89	28.51
Delhi	685	-67	-30	437	-21	-30	12.63	3.40	16.03
Haryana	887	200	0	866	45	0	21.20	-2.10	19.10
HP	-1022	-192	0	-809	-253	0	-21.12	-4.92	-26.04
J&K	-547	-42	0	-380	32	0	-10.37	-0.40	-10.77
CHD	0	10	0	0	0	0	0.24	0.28	0.52
Rajasthan	-242	515	2	-304	373	2	-6.16	14.54	8.38
UP	1158	0	0	947	0	0	23.48	0.00	23.48
Uttarakhand	57	49	23	43	128	23	1.30	2.03	3.33
<b>Total</b>	<b>2155</b>	<b>489</b>	<b>-5</b>	<b>1849</b>	<b>302</b>	<b>-5</b>	<b>48.81</b>	<b>13.72</b>	<b>62.53</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1184	980	128	0	0	0
Delhi	802	340	584	-236	0	-30
Haryana	889	854	212	-609	0	0
HP	-809	-1022	-174	-253	0	0
J&K	-344	-606	180	-136	0	0
CHD	30	0	54	0	0	0
Rajasthan	-242	-339	1201	112	2	2
UP	1174	870	0	0	0	0
Uttarakhand	58	35	128	0	25	15

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 11.06.2015 :**  
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 :**