

# पावर 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 13.06.2015**  
Date of Reporting : 14.06.2015

### 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
37578	1801	39379	49.99	44654	1899	46553	50.08	941.2	32.82

\* 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	52.80	12.66		65.46	104.84	102.49	-2.34	167.95	0.00
Haryana	36.92	0.69		37.60	101.71	88.95	-12.76	126.55	0.00
Rajasthan	98.10	0.00	31.77	129.87	57.16	55.77	-1.39	185.64	0.00
Delhi	20.97			20.97	82.14	78.45	-3.69	99.42	0.52
UP	124.00	3.23		127.23	131.38	128.09	-3.29	255.33	23.87
Uttarakhand		20.73		20.73	18.40	19.16	0.75	39.89	0.00
HP		20.33		20.33	4.02	5.11	1.09	25.44	0.00
J & K		15.53	0.00	15.53	20.58	20.19	-0.39	35.72	8.44
Chandigarh				0.00	5.55	5.28	0.27	5.28	0.00
<b>Total</b>	<b>332.79</b>	<b>73.17</b>	<b>31.77</b>	<b>437.73</b>	<b>525.78</b>	<b>503.48</b>	<b>-21.76</b>	<b>941.21</b>	<b>32.82</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	6844	0	-430	929	7965	0	89	1112	8334
Haryana	4535	0	-254	1052	7375	0	123	1084	7724
Rajasthan	6187	0	42	-59	7839	0	-268	-85	8260
Delhi	3716	5	0	615	5060	0	175	838	5373
UP	11577	1370	377	840	12301	1680	-101	841	12552
Uttarakhand	1822	0	80	224	1651	0	22	110	1840
HP	966	0	5	-1169	989	0	32	-1278	1279
J&K	1706	426	55	-340	1240	219	-165	-566	1859
Chandigarh	225	0	-20	0	235	0	13	0	258
<b>Total</b>	<b>37578</b>	<b>1801</b>	<b>-144</b>	<b>2092</b>	<b>44654</b>	<b>1899</b>	<b>-80</b>	<b>2056</b>	<b>46583</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 1.02

### 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 Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1867	1875	2034	42.66	1777	38.97	3.68
	Rihand I STPS (2*500)	1000	450	431	457	9.26	386	8.75	0.51
	Rihand II STPS (2*500)	1000	954	823	953	18.57	774	17.73	0.83
	Rihand III STPS (2*500)	1000	954	731	855	18.01	750	17.13	0.88
	Dadri I STPS (4*210)	840	815	484	576	14.23	593	13.15	1.08
	Dadri II STPS (2*490)	980	980	656	716	16.31	680	16.41	-0.10
	Unchahar I TPS (2*210)	420	403	321	383	7.44	310	7.47	-0.03
	Unchahar II TPS (2*210)	420	401	283	304	6.75	281	6.94	-0.19
	Unchahar III TPS (1*220)	210	200	155	151	3.35	139	3.42	-0.07
	ISTPP (Jhajjhar) (3*500)	1500	1000	622	633	14.17	591	14.54	-0.37
	Dadri GPS (4*130.19+2*154.51)	830	792	295	320	7.89	329	7.92	-0.03
	Anta GPS (3*88.71+1*153.2)	419	382	201	193	5.28	220	5.22	0.06
	Auraiya GPS (4*111.19+2*109.30)	663	626	203	163	5.46	227	5.68	-0.23
	Dadri Solar	5	1	0	0	0.02	1	0.03	-0.01
	Unchahar Solar	10	3	0	0	0.03	1	0.06	-0.03
	Singrauli Solar	15	3	0	0	0.04	2	0.07	-0.03
	KHEP	400	0	0	0	0.00	0	0.00	0.00
	<b>Sub Total (A)</b>	<b>11712</b>	<b>9829</b>	<b>7080</b>	<b>7738</b>	<b>169</b>	<b>7060</b>	<b>163</b>	<b>6</b>
B. NPC	NAPS (2*220)	440	383	426	423	9.34	389	9.19	0.15
	RAPS- B (2*220)	440	367	414	413	8.83	368	8.81	0.02
	RAPS- C (2*220)	440	405	431	432	9.33	389	9.72	-0.39
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1155</b>	<b>1271</b>	<b>1268</b>	<b>27.50</b>	<b>1146</b>	<b>27.72</b>	<b>-0.22</b>
C. NHPC	Chamera I HPS (3*180)	540	536	552	550	11.46	478	11.71	-0.24
	Chamera II HPS (3*100)	300	300	311	312	7.14	297	7.04	0.10
	Chamera III HPS (3*77)	231	231	237	239	5.48	228	5.55	-0.07
	Bairasuil HPS(3*60)	180	179	183	62	2.72	113	2.66	0.06
	Salal-HPS (6*115)	690	661	672	672	16.17	674	15.87	0.30
	Tanakpur-HPS (3*40)	94	76	84	69	1.86	78	1.82	0.05
	Uri-I HPS (4*120)	480	475	476	475	11.56	482	11.40	0.16
	Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
	Dhauliganga-HPS (4*70)	280	280	291	283	5.63	235	5.67	-0.04
	Dulhasti-HPS (3*130)	390	386	394	396	8.63	360	9.26	-0.64
	Sewa-II HPS (3*40)	120	119	126	121	2.60	109	2.86	-0.26
	Parbati 3 (4*130)	520	390	395	131	2.86	119	2.83	0.03
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3634</b>	<b>3720</b>	<b>3310</b>	<b>76</b>	<b>3172</b>	<b>77</b>	<b>-1</b>
	D. SJVNL	NJPC (6*250)	1500	1605	1637	1627	38.24	1593	38.25
Rampur HEP (6*68.67)		412	442	448	450	10.62	443	10.61	0.02
<b>Sub Total (D)</b>		<b>1912</b>	<b>2047</b>	<b>2085</b>	<b>2077</b>	<b>48.86</b>	<b>2036</b>	<b>48.86</b>	<b>0.00</b>
E. THDC	Tehri HPS (4*250)	1000	508	508	508	6.69	279	6.69	0.00
	Koteshwar HPS (4*100)	400	154	299	102	3.40	141	3.48	-0.08
	<b>Sub Total (E)</b>	<b>1400</b>	<b>662</b>	<b>807</b>	<b>610</b>	<b>10.08</b>	<b>420</b>	<b>10.17</b>	<b>-0.08</b>
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	1072	1316	790	25.52	1063	25.74	-0.22
	Dehar HPS (6*165)	990	612	825	560	14.73	614	14.69	0.04
	Pong HPS (6*66)	396	30	192	0	0.72	30	0.72	0.00
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1715</b>	<b>2333</b>	<b>1350</b>	<b>40.97</b>	<b>1707</b>	<b>41.15</b>	<b>-0.18</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	176	168	3.64	152	4.03	-0.40
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1200	1200	28.35	1181	28.51	-0.17
	Malana Stg-II HPS (2*50)	100	0	60	55	1.38	58	1.30	0.08
	Shree Cement TPS (2*150)	300	0	293	296	6.60	275	6.66	-0.06
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	1.48	-1.48
	Sub Total (G)	1662	0	1730	1719	39.96	1665	41.99	-2.02
	<b>H. Total Regional Entities (A-G)</b>	<b>24972</b>	<b>19042</b>	<b>19026</b>	<b>18072</b>	<b>412.94</b>	<b>17206</b>	<b>410.05</b>	<b>2.89</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	370	1040	13.90	579
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	80	80	1.92	80
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	193	682	9.24	385
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1026	667	20.26	844
	Talwandi Saboo (1*660)	660	420	333	7.48	312
	<b>Thermal (Total)</b>	<b>4680</b>	<b>2089</b>	<b>2802</b>	<b>52.80</b>	<b>2200</b>
	Total Hydro	1148	546	586	12.66	527
	<b>Total Punjab</b>	<b>5828</b>	<b>2635</b>	<b>3388</b>	<b>65.46</b>	<b>2727</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	501	485	11.52	480
Faridabad GPS (NTPC)		432	0	169	3.15	131
RGTPP (Khedar) (IPP) (2*600)		1200	0	372	5.55	231
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	383	1109	16.69	696
<b>Thermal (Total)</b>		<b>4944</b>	<b>884</b>	<b>2135</b>	<b>36.92</b>	<b>1538</b>
Total Hydro		62	22	29	0.69	29
<b>Total Haryana</b>		<b>5006</b>	<b>906</b>	<b>2164</b>	<b>37.60</b>	<b>1567</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	929	797	21.20
	suratgarh TPS (6*250)	1500	901	788	19.44	810
	Chabra TPS (4*250)	1000	252	388	11.12	463
	Dholpur GPS (3*110)	330	0	103	1.86	78
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	53	58	1.27	53
	RAPS A (NPC) (1*100+1*200)	300	139	139	3.43	143
	Barsingar (NLC) (2*125)	250	0	0	0.00	0
	Giral LTPS (2*125)	250	89	87	1.80	75
	Rajwest LTPS (IPP) (8*135)	1080	436	841	16.12	672
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	441	470	11.12	463
	Kawai(Adani) (2*660)	1320	445	600	10.74	448
	<b>Thermal (Total)</b>	<b>8276</b>	<b>3685</b>	<b>4271</b>	<b>98</b>	<b>4088</b>
	Total Hydro	550	0	0	0.00	0
	Wind power	2798	804	1294	28.40	1183
	Biomass	99	21	21	0.50	21
	Solar	730	2	0	2.86	119
	Renewable/Others (Total)	3627	827	1315	31.77	1324
	<b>Total Rajasthan</b>	<b>12453</b>	<b>4512</b>	<b>5586</b>	<b>129.87</b>	<b>5411</b>
	UP	Anpara TPS (3*210+2*500)	1630	1141	1288	27.40
Obra TPS (2*50+2*94+5*200)		1194	302	424	8.70	363
Paricha TPS (2*110+2*220+2*250)		1140	618	723	17.60	733
Panki TPS (2*105)		210	0	0	0.20	8
Harduaganj TPS (1*60+1*105+2*250)		665	320	448	9.40	392
Tanda TPS (NTPC) (4*110)		440	302	360	7.80	325
Roza TPS (IPP) (4*300)		1200	761	1080	20.90	871
Anpara-C (IPP) (2*600)		1200	810	1026	21.80	908
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	283	403	7.30	304
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>4537</b>	<b>5752</b>	<b>121</b>	<b>5046</b>
Vishnuparyag HPS (IPP)(including Alakanada)		400	596	595	1.43	60
Other Hydro		527	69	162	1.80	75
Cogeneration		981	120	120	2.90	121
<b>Total UP</b>		<b>11197</b>	<b>5322</b>	<b>6629</b>	<b>127.23</b>	<b>5242</b>
Uttarakhand	Total Hydro	1398	899	755	20.73	864
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>899</b>	<b>755</b>	<b>20.73</b>	<b>864</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	84	111	2.12	88
	Pragati Gas Turbine (2x104+ 1x122)	330	147	257	5.01	209
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	158	278	5.81	242
	Badarpur TPS (NTPC) (3*95+2*210)	705	393	389	8.03	335
	<b>Thermal (Total)</b>	<b>2917</b>	<b>781</b>	<b>1035</b>	<b>20.97</b>	<b>874</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>781</b>	<b>1035</b>	<b>20.97</b>	<b>874</b>
HP	Baspa HPS (IPP) (2*100)	300	331	331	7.64	318
	Malana HPS (IPP) (2*43)	86	47	40	1.08	45
	Other Hydro	728	488	504	11.61	484
	<b>Total HP</b>	<b>1114</b>	<b>866</b>	<b>875</b>	<b>20.33</b>	<b>847</b>
J & K	Baglihar HPS (IPP) (3*150)	450	450	450	10.80	450
	Other Hydro/IPP	436	204	203	4.73	197
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>654</b>	<b>653</b>	<b>15.53</b>	<b>647</b>
<b>Total State Control Area Generation</b>		<b>41007</b>	<b>16575</b>	<b>21085</b>	<b>437.73</b>	<b>18179</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>5294</b>	<b>6543.14</b>	<b>117.55</b>	<b>4898</b>
<b>Total Regional Availability(Gross)</b>		<b>65979</b>	<b>40895</b>	<b>45700</b>	<b>968.22</b>	<b>40283</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11969	10382	8770	209.40	8725
State Control Area Hydro	5684	3056	3060	73.17	2989
<b>Total Regional Hydro</b>	<b>17654</b>	<b>13438</b>	<b>11830</b>	<b>282.57</b>	<b>11714</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	-100	500	500	200	3.98	0.91	3.07
Gwalior-Agra (D/C)	2302	2169	2321	0	38.11	0.00	38.11
Zerda-Kankroli	-38	-153	0	308	0.00	5.22	-5.22
Zerda-Bhinmal	11	-145	13	347	0.00	4.59	-4.59
Malanpur-Auraiya	0	0	0	0	0.00	0.00	0.00
Badod-Kota/Morak	-87	-15	5	149	0.00	0.15	-0.15
Mundra-Mohinderqarh(HVDC)	1501	2497	2506	0	50.77	0.00	50.77
Vindhychal - Rihand	385	398	505	0	8.45	0.00	8.45
<b>Sub Total WR</b>	<b>3974</b>	<b>5251</b>			<b>101.31</b>	<b>10.86</b>	<b>90.44</b>
Pusauli Bypass	400	400	400	0	9.03	0.00	9.03
MZP- GKP (D/C)	114	184	352	20	3.70	0.00	3.70
Patna-Balia(D/C)	254	270	299	0	6.10	0.00	6.10
B'Sharif-Balia (D/C)	-1	-72	47	72	0.00	0.59	-0.59
Pusauli-Balia	239	90	268	0	1.42	0.00	1.42
Gaya-Fatehpur (765 Kv)	0	0	0	0	0.00	0.00	0.00
Pusauli-Sahupuri	165	157	180	0	3.29	0.00	3.29
K'nasa-Sahupuri	0	0	1	0	0.00	0.00	0.00
Son Ngr-Rihand	-38	-31	0	42	0.00	0.79	-0.79
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 Kv)	-159	0	109	345	0.00	1.83	-1.83
Barh -GKP (D/C)	346	294	346	0	6.78	0.00	6.78
<b>Sub Total ER</b>	<b>1320</b>	<b>1292</b>			<b>30.33</b>	<b>3.22</b>	<b>27.11</b>
<b>Total IR Exch</b>	<b>5294</b>	<b>6543</b>			<b>131.63</b>	<b>14.08</b>	<b>117.55</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
30.64	2.67	33.31	20.44	0.51	-0.47	-0.03	1.29	-1.29
<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
54.57	78.55	133.12	27.11	90.44	117.55	-27.46	11.89	-15.56

**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	-22	-29	0	35	0	1	-0.60

**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	0.45	3.95	31.97	49.06	18.15	19.06	9.88	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				
50.55	15.05	49.77	20.13	50.06	0.16	0.11	50.35	49.99

**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	09:48	396	00:07	0.0	0.0	0.0	0.0
Gorakhpur	400	415	14:48	402	00:10	0.0	0.0	0.3	0.0
Bareilly	400	418	08:00	396	20:00	0.0	0.3	0.5	0.0
Kanpur	400	417	14:58	392	00:05	0.0	0.0	0.0	0.0
Dadri	400	424	14:58	394	00:03	0.0	0.0	2.6	0.0
Ballabhgarh	400	426	14:58	396	00:04	0.0	0.0	11.7	0.0
Bawana	400	422	15:12	394	00:04	0.0	0.0	3.2	0.0
Bassi	400	430	18:01	399	00:00	0.0	0.0	9.9	0.0
Hissar	400	420	14:58	383	00:00	0.0	9.4	0.0	0.0
Moga	400	415	14:58	395	00:00	0.0	0.0	0.0	0.0
Abdullapur	400	426	14:57	396	00:07	0.0	0.0	7.1	0.0
Nalagarh	400	416	14:55	396	00:00	0.0	0.0	0.0	0.0
Kishenpur	400	417	15:08	402	20:17	0.0	0.0	0.0	0.0
Wagoora	400	410	04:04	383	20:35	0.0	10.0	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	778	21:37	736	00:09	0.0	3.9	0.0	0.0
Balia	765	774	14:58	740	00:09	0.0	2.5	0.0	0.0
Moga	765	797	14:40	754	00:05	0.0	0.0	0.0	0.0
Agra	765	794	14:58	746	00:06	0.0	0.0	0.0	0.0
Bhiwani	765	806	14:55	749	00:10	0.0	0.0	0.9	0.0
Unnao	765	779	18:03	723	00:10	4.6	18.2	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	487.20	644.48	482.01	503.43	776.48	893.11
Pong	426.72	384.05	405.88	370.28	401.87	259.17	127.54	49.10
Tehri	829.79	740.04	743.25	14.17	742.30	14.17	230.55	235.00
Koteshwar	612.50	598.50	609.22	4.44	610.02	4.44	235.00	225.00
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	305.40	310.67
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	521.87	5.97	520.75	7.34	312.41	264.97

\* 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	712	400	0	688	241	0	17.72	7.07	24.79
Delhi	650	219	-30	388	257	-30	11.47	7.26	18.74
Haryana	864	220	0	858	193	0	20.90	2.40	23.30
HP	-941	-337	0	-789	-380	0	-20.15	-8.27	-28.41
J&K	-547	-20	0	-380	39	0	-10.57	-0.15	-10.73
CHD	0	0	0	0	0	0	0.24	0.19	0.42
Rajasthan	-347	260	2	-361	301	2	-7.97	9.52	1.55
UP	841	0	0	840	0	0	19.35	0.00	19.35
Uttarakhand	43	39	28	39	157	28	1.13	2.09	3.22
<b>Total</b>	<b>1276</b>	<b>781</b>	<b>-1</b>	<b>1284</b>	<b>809</b>	<b>-1</b>	<b>32.12</b>	<b>20.11</b>	<b>52.23</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	895	648	407	167	0	0
Delhi	718	358	764	-77	-10	-30
Haryana	910	848	223	-267	0	0
HP	-789	-941	-256	-550	0	0
J&K	-344	-606	180	-121	0	0
CHD	30	0	30	0	0	0
Rajasthan	-242	-384	632	-111	2	0
UP	963	661	0	0	0	0
Uttarakhand	74	32	157	0	29	28

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:**

**XIII. Weather Conditions For 13.06.2015 :**  
Thunderstorm and rain in most part of NR region.

**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 :**