

# 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 24.06.2015  
Date of Reporting : 25.06.2015

### 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
42464	1015	43479	50.11	42418	2254	44671	50.08	997.4	34.95

\* 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	60.60	18.54		79.15	110.24	109.74	-0.50	188.89	0.00
Haryana	36.87	0.79		37.65	115.48	113.35	-2.13	151.00	0.00
Rajasthan	99.44	0.01	6.28	105.73	65.40	65.06	-0.34	170.79	0.00
Delhi	22.94			22.94	82.45	81.35	-1.11	104.29	0.18
UP	125.60	18.50		144.10	135.99	133.95	-2.04	278.05	26.70
Uttarakhand		20.88		20.88	18.16	18.35	0.19	39.23	0.18
HP		20.71		20.71	3.64	4.80	1.17	25.51	0.00
J & K		15.07	0.00	15.07	19.44	18.57	-0.87	33.64	7.89
Chandigarh				0.00	6.31	6.02	0.27	6.02	0.00
<b>Total</b>	<b>345.45</b>	<b>94.50</b>	<b>6.28</b>	<b>446.23</b>	<b>557.10</b>	<b>551.18</b>	<b>-5.35</b>	<b>997.41</b>	<b>34.95</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	8345	0	-186	940	7300	0	-180	1079	8748
Haryana	7040	0	-84	1176	6469	0	4	1033	7167
Rajasthan	6297	0	-108	253	7501	0	-6	232	7791
Delhi	4520	52	-94	119	4405	0	99	342	5122
UP	11337	460	-386	724	12262	1950	317	835	12262
Uttarakhand	1787	40	105	147	1641	0	78	100	1824
HP	1027	0	28	-1278	901	0	39	-1334	1227
J&K	1850	463	75	-279	1720	304	130	-284	1850
Chandigarh	261	0	2	0	219	0	-3	0	302
<b>Total</b>	<b>42464</b>	<b>1015</b>	<b>-648</b>	<b>1802</b>	<b>42418</b>	<b>2254</b>	<b>476</b>	<b>2002</b>	<b>43697</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))

### 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	1830	1975	1910	44.98	1874	42.17	2.81
	Rihand I STPS (2*500)	1000	450	458	402	9.79	408	9.59	0.19
	Rihand II STPS (2*500)	1000	943	995	894	18.84	785	19.20	-0.35
	Rihand III STPS (2*500)	1000	943	977	812	18.42	768	18.50	-0.08
	Dadri I STPS (4*210)	840	810	525	567	14.56	607	13.90	0.66
	Dadri II STPS (2*490)	980	949	676	727	16.60	692	16.59	0.01
	Unchahar I TPS (2*210)	420	402	351	262	6.87	286	7.80	-0.93
	Unchahar II TPS (2*210)	420	400	300	264	6.61	275	7.38	-0.77
	Unchahar III TPS (1*220)	210	200	175	127	3.21	134	3.61	-0.40
	ISTPP (Jhajihar) (3*500)	1500	1000	641	611	14.03	585	14.40	-0.37
	Dadri GPS (4*130.19+2*154.51)	830	792	272	367	6.65	277	6.54	0.12
	Anta GPS (3*88.71+1*153.2)	419	378	231	230	5.31	221	5.55	-0.24
	Auraiya GPS (4*111.19+2*109.30)	663	627	216	291	5.33	222	5.23	0.10
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	3	0	0	0.02	1	0.06	-0.04
	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>9731</b>	<b>7792</b>	<b>7464</b>	<b>171</b>	<b>7136</b>	<b>171</b>	<b>1</b>	
B. NPC	NAPS (2*220)	440	371	412	422	8.92	372	8.90	0.02
	RAPS- B (2*220)	440	367	414	415	8.82	368	8.81	0.01
	RAPS- C (2*220)	440	405	435	425	9.31	388	9.72	-0.41
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1143</b>	<b>1261</b>	<b>1262</b>	<b>27.05</b>	<b>1127</b>	<b>27.43</b>	<b>-0.38</b>
C. NHPC	Chamera I HPS (3*180)	540	537	549	551	12.99	541	12.89	0.10
	Chamera II HPS (3*100)	300	300	308	310	7.38	307	7.20	0.18
	Chamera III HPS (3*77)	231	229	233	233	5.49	229	5.50	-0.02
	Bairasuil HPS(3*60)	180	179	184	125	2.95	123	2.91	0.04
	Salal-HPS (6*115)	690	661	668	670	16.09	670	15.87	0.22
	Tanakpur-HPS (3*40)	94	54	93	77	1.30	54	1.30	0.00
	Uri-I HPS (4*120)	480	475	472	471	11.51	480	11.40	0.11
	Uri-II HPS (4*60)	240	120	122	122	2.90	121	2.88	0.02
	Dhauliganga-HPS (4*70)	280	280	296	285	6.77	282	6.72	0.05
	Dulhasti-HPS (3*130)	390	386	396	393	9.29	387	9.26	0.02
	Sewa-II HPS (3*40)	120	119	124	45	2.41	100	2.39	0.02
	Parbati 3 (4*130)	520	390	393	131	4.88	204	4.90	-0.02
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3731</b>	<b>3837</b>	<b>3413</b>	<b>84</b>	<b>3498</b>	<b>83</b>	<b>1</b>
D. SJVNL	NJPC (6*250)	1500	1605	1623	1627	38.51	1604	38.52	-0.01
	Rampur HEP (6*68.67)	412	442	445	446	10.91	455	10.61	0.30
<b>Sub Total (D)</b>	<b>1912</b>	<b>2047</b>	<b>2068</b>	<b>2073</b>	<b>49.42</b>	<b>2059</b>	<b>49.13</b>	<b>0.29</b>	
E. THDC	Tehri HPS (4*250)	1000	448	503	494	8.40	350	8.35	0.04
	Koteshwar HPS (4*100)	400	200	101	100	4.80	200	4.80	0.00
<b>Sub Total (E)</b>	<b>1400</b>	<b>648</b>	<b>604</b>	<b>594</b>	<b>13.20</b>	<b>550</b>	<b>13.15</b>	<b>0.04</b>	
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	1132	1290	947	27.08	1128	27.16	-0.08
	Dehar HPS (6*165)	990	599	825	560	14.61	609	14.38	0.23
	Pong HPS (6*66)	396	170	318	126	4.06	169	4.08	-0.02
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1901</b>	<b>2433</b>	<b>1633</b>	<b>45.75</b>	<b>1906</b>	<b>45.63</b>	<b>0.12</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	230	205	4.96	207	4.79	0.17
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1200	1200	28.53	1189	28.51	0.02
	Malana Stg-II HPS (2*50)	100	0	111	100	2.24	93	2.09	0.15
	Shree Cement TPS (2*150)	300	0	247	296	6.27	261	6.53	-0.26
	Budhil HPS(IPP) (2*35)	70	0	74	74	1.76	73	1.68	0.08
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1862</b>	<b>1874</b>	<b>43.76</b>	<b>1824</b>	<b>43.60</b>	<b>0.16</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24972</b>	<b>19201</b>	<b>19857</b>	<b>18313</b>	<b>434.40</b>	<b>18100</b>	<b>432.76</b>	<b>1.64</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	840	670	16.06	669
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	315	280	6.54	273
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	678	370	10.65	444
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	712	716	20.10	837
	Talwandi Saboo (1*660)	660	330	328	7.26	302
	<b>Thermal (Total)</b>	<b>4700</b>	<b>2875</b>	<b>2364</b>	<b>60.60</b>	<b>2525</b>
	Total Hydro	1000	850	683	18.54	773
	<b>Total Punjab</b>	<b>5700</b>	<b>3725</b>	<b>3047</b>	<b>79.15</b>	<b>3298</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	221	216	5.12
DCRTPP (Yamuna nagar) (2*300)		600	245	231	5.66	236
Faridabad GPS (NTPC)		432	163	164	4.26	178
RGTTP (Khedar) (IPP) (2*600)		1200	0	0	0.00	0
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	807	750	21.82	909
<b>Thermal (Total)</b>		<b>4944</b>	<b>1436</b>	<b>1361</b>	<b>36.87</b>	<b>1536</b>
Total Hydro		62	35	27	0.79	33
<b>Total Haryana</b>		<b>5006</b>	<b>1471</b>	<b>1388</b>	<b>37.65</b>	<b>1569</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	934	942	22.25
	suratgarh TPS (6*250)	1500	371	760	15.17	632
	Chabra TPS (4*250)	1000	575	381	10.70	446
	Dholpur GPS (3*110)	330	0	78	0.87	36
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	194	222	5.02	209
	RAPS A (NPC) (1*100+1*200)	300	138	139	3.41	142
	Barsingar (NLC) (2*125)	250	95	97	2.21	92
	Giral LTPS (2*125)	250	84	90	1.83	76
	Rajwest LTPS (IPP) (8*135)	1080	450	772	14.42	601
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	602	456	13.00	542
	Kawai(Adani) (2*660)	1320	431	600	10.57	440
	<b>Thermal (Total)</b>	<b>8276</b>	<b>3874</b>	<b>4537</b>	<b>99</b>	<b>4143</b>
	Total Hydro	550	0	0	0.01	0
	Wind power	2798	71	172	5.64	235
	Biomass	99	24	24	0.59	24
	Solar	730	0	0	0.06	2
	Renewable/Others (Total)	3627	95	196	6.28	262
	<b>Total Rajasthan</b>	<b>12453</b>	<b>3969</b>	<b>4733</b>	<b>105.73</b>	<b>4406</b>
	UP	Anpara TPS (3*210+2*500)	1630	1328	935	24.10
Obra TPS (2*50+2*94+5*200)		1194	412	422	9.90	413
Paricha TPS (2*110+2*220+2*250)		1140	739	661	17.00	708
Panki TPS (2*105)		210	131	117	3.00	125
Harduaganj TPS (1*60+1*105+2*250)		665	436	449	10.50	438
Tanda TPS (NTPC) (4*110)		440	206	281	6.60	275
Roza TPS (IPP) (4*300)		1200	567	797	17.90	746
Anpara-C (IPP) (2*600)		1200	1080	1089	25.60	1067
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	281	403	8.10	338
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>5180</b>	<b>5154</b>	<b>123</b>	<b>5113</b>
Vishnuparyag HPS (IPP)(including Alakanada)		730	725	729	17.40	725
Other Hydro		527	71	126	1.10	46
Cogeneration		981	120	120	2.90	121
<b>Total UP</b>		<b>11527</b>	<b>6096</b>	<b>6129</b>	<b>144.10</b>	<b>5279</b>
Uttarakhand	Total Hydro	1398	877	818	20.88	870
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>877</b>	<b>818</b>	<b>20.88</b>	<b>870</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	73	73	1.73	72
	Pragati Gas Turbine (2x104+ 1x122)	330	260	263	6.37	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	270	272	6.47	269
	Badarpur TPS (NTPC) (3*95+2*210)	705	387	381	8.37	349
	<b>Thermal (Total)</b>	<b>2917</b>	<b>990</b>	<b>989</b>	<b>22.94</b>	<b>956</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>990</b>	<b>989</b>	<b>22.94</b>	<b>956</b>
HP	Baspa HPS (IPP) (2*100)	300	331	321	7.64	318
	Malana HPS (IPP) (2*43)	86	64	61	1.72	72
	Other Hydro	878	507	459	11.35	473
	<b>Total HP</b>	<b>1264</b>	<b>902</b>	<b>841</b>	<b>20.71</b>	<b>863</b>
J & K	Baglihar HPS (IPP) (3*150)	450	440	440	10.55	440
	Other Hydro/IPP	560	196	193	4.52	188
	Gas/Diesel/Others	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1200</b>	<b>636</b>	<b>633</b>	<b>15.07</b>	<b>628</b>
<b>Total State Control Area Generation</b>		<b>41465</b>	<b>18666</b>	<b>18578</b>	<b>446.23</b>	<b>17868</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>4581</b>	<b>6249</b>	<b>130.10</b>	<b>5421</b>
<b>Total Regional Availability(Gross)</b>		<b>66437</b>	<b>43104</b>	<b>43140</b>	<b>1010.73</b>	<b>41389</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11969	10483	9217	228.05	9502
State Control Area Hydro	5811	3371	3128	94.50	3212
<b>Total Regional Hydro</b>	<b>17780</b>	<b>13854</b>	<b>12345</b>	<b>322.55</b>	<b>12714</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	100	400	300	400	1.59	4.39	-2.80	
Gwalior-Agra (D/C)	1212	1908	2169	0	39.86	0.00	39.86		
Zerda-Kankroli	-58	-118	48	181	0.00	1.83	-1.83		
Zerda-Bhinmal	-1	-127	96	277	0.00	1.56	-1.56		
Malanpur-Auraiya	0	0	0	0	0.00	0.00	0.00		
Badod-Kota/Morak	-38	-34	36	54	0.00	0.43	-0.43		
Mundra-Mohinderqarh(HVDC)	2302	2298	2505	0	56.09	0.00	56.09		
Vindhychal - Rihand	294	315	331	0	5.77	0.00	5.77		
<b>Sub Total WR</b>	<b>3811</b>	<b>4642</b>			<b>103.31</b>	<b>8.21</b>	<b>95.10</b>		
Pusauli Bypass	300	400	400	0	7.90	0.00	7.90		
MZP- GKP (D/C)	150	377	540	0	8.92	0.00	8.92		
Patna-Balia(D/C)	106	250	343	0	5.59	0.00	5.59		
B'Sharif-Balia (D/C)	-39	126	241	39	2.71	0.00	2.71		
Pusauli-Balia	5	118	250	8	1.45	0.00	1.45		
Gaya-Fatehpur (765 Kv)	-11	-2	0	15	0.00	0.11	-0.11		
Pusauli-Sahupuri	132	135	177	0	3.63	0.00	3.63		
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00		
Son Ngr-Rihand	-40	-42	0	44	0.00	0.95	-0.95		
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
Sasaram - Fatehpur(765 KV)	-33	22	177	125	0.54	0.00	0.54		
Barh -GKP (D/C)	200	223	271	0	5.32	0.00	5.32		
<b>Sub Total ER</b>	<b>770</b>	<b>1607</b>			<b>36.06</b>	<b>1.06</b>	<b>35.00</b>		
<b>Total IR Exch</b>	<b>4581</b>	<b>6249</b>			<b>139.37</b>	<b>9.27</b>	<b>130.10</b>		

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

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
37.24	2.47	39.72	17.29	2.10	-0.29	-0.02	0.51	-0.51

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
57.23	85.30	142.53	35.00	95.10	130.10	-22.23	9.79	-12.44

**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 - Mahendamaagar	-26	-32	0	36	0	1	-0.62	

**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	0.00	0.37	20.25	48.59	28.19	19.73	3.19	NA

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)
50.27	9.05	49.88	19.42	50.05	0.08	0.07	50.28	50.02

**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	406	23:54	397	00:04	0.0	0.0	0.0	0.0
Gorakhpur	400	415	23:30	402	00:10	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	414	23:43	396	14:54	0.0	0.0	0.0	0.0
Dadri	400	415	23:54	394	14:50	0.0	0.0	0.0	0.0
Ballabgarh	400	420	05:09	398	14:52	0.0	0.0	0.0	0.0
Bawana	400	416	23:51	396	14:52	0.0	0.0	0.0	0.0
Bassi	400	424	23:52	402	10:25	0.0	0.0	7.5	0.0
Hissar	400	390	13:30	385	12:23	NA	NA	0.0	0.0
Moga	400	414	23:51	398	11:53	0.0	0.0	0.0	0.0
Abdullapur	400	416	23:55	396	12:24	0.0	0.0	0.0	0.0
Nalagarh	400	418	04:03	402	11:49	0.0	0.0	0.0	0.0
Kishenpur	400	417	05:04	403	19:41	0.0	0.0	0.0	0.0
Wagoora	400	414	06:22	383	19:43	0.0	9.6	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	771	23:57	732	14:53	0.0	10.5	0.0	0.0
Balia	765	786	23:47	748	11:52	0.0	0.0	0.0	0.0
Moga	765	793	23:55	759	14:52	0.0	0.0	0.0	0.0
Agra	765	779	23:58	747	00:12	0.0	0.0	0.0	0.0
Bhiwani	765	795	23:52	758	14:51	0.0	0.0	0.0	0.0
Unnao	765	768	23:43	735	14:53	0.0	8.9	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	488.06	671.08	486.71	636.01	1168.49	962.77
Pong	426.72	384.05	405.87	370.28	401.48	252.05	258.14	276.23
Tehri	829.79	740.04	742.80	14.00	747.75	37.00	359.46	296.00
Koteshwar	612.50	598.50	609.47	4.44	610.44	4.78	296.00	318.00
Chamera-I	760.00	748.75	755.36	0.00	0.00	0.00	416.45	352.14
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	522.70	8.47	521.23	9.66	328.73	236.43

\* 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	1031	48	0	940	0	0	25.81	1.23	27.03
Delhi	348	16	-22	265	-124	-22	7.88	0.34	8.21
Haryana	1038	-5	0	1006	170	0	25.29	2.21	27.50
HP	-1042	-292	0	-890	-388	0	-22.57	-6.66	-29.24
J&K	-439	155	0	-434	155	0	-10.96	-1.37	-12.33
CHD	0	0	0	0	0	0	0.24	0.52	0.75
Rajasthan	-355	584	2	-395	646	2	-8.03	16.30	8.27
UP	835	0	0	724	0	0	15.34	0.00	15.34
Uttarakhand	41	39	20	29	98	20	1.12	1.95	3.06
<b>Total</b>	<b>1457</b>	<b>545</b>	<b>-1</b>	<b>1245</b>	<b>558</b>	<b>-1</b>	<b>34.09</b>	<b>14.51</b>	<b>48.60</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1280	940	142	0	0	0
Delhi	438	209	360	-311	0	-22
Haryana	1125	1006	231	-197	0	0
HP	-890	-1042	-170	-441	0	0
J&K	-398	-599	204	-323	0	0
CHD	30	0	59	0	0	0
Rajasthan	-242	-395	1004	338	2	0
UP	936	462	0	0	0	0
Uttarakhand	74	29	98	39	20	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 24.06.2015 :**

Wide spread rain in Northern 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 :**