

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त महायुक्त कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 17.06.2015  
Date of Reporting : 18.06.2015

### 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
46152	2871	49022	49.96	43420	1937	45357	50.14	1055.3	60.60

\* 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	86.78	15.38		102.17	112.15	110.49	-1.66	212.66	0.00
Haryana	37.00	0.61		37.61	118.04	120.11	2.06	157.72	0.01
Rajasthan	106.57	0.15	7.61	114.33	65.58	66.18	0.60	180.51	0.00
Delhi	22.67			22.67	82.15	81.56	-0.58	104.23	0.05
UP	142.64	16.70		159.34	132.75	130.39	-2.37	289.73	50.11
Uttarakhand		18.82		18.82	19.53	21.23	1.70	40.05	1.64
HP		20.63		20.63	4.73	6.34	1.62	26.97	0.00
J & K		15.28	0.00	15.28	19.88	22.01	2.13	37.28	8.79
Chandigarh				0.00	6.07	6.16	0.27	6.16	0.00
<b>Total</b>	<b>395.66</b>	<b>87.56</b>	<b>7.61</b>	<b>490.83</b>	<b>560.87</b>	<b>564.47</b>	<b>3.78</b>	<b>1055.31</b>	<b>60.60</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	9881	0	-62	926	8584	0	-56	980	9903
Haryana	7517	11	-8	1232	6555	40	414	1179	7778
Rajasthan	7520	0	-142	61	7504	0	4	-46	8056
Delhi	4294	0	-66	322	4336	0	46	532	5049
UP	12017	2370	-322	621	12246	1650	-115	859	12497
Uttarakhand	1845	40	95	210	1619	0	129	92	1904
HP	1015	0	-31	-1169	958	0	49	-1250	1275
J&K	1798	450	214	-451	1400	247	56	-633	1842
Chandigarh	265	0	-7	0	218	0	-1	0	312
<b>Total</b>	<b>46152</b>	<b>2871</b>	<b>-330</b>	<b>1752</b>	<b>43420</b>	<b>1937</b>	<b>525</b>	<b>1714</b>	<b>47358</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	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	1844	2039	2028	42.61	1775	44.05	-1.44
	Rihand I STPS (2*500)	1000	438	466	488	11.39	475	10.41	0.98
	Rihand II STPS (2*500)	1000	943	992	1006	24.40	1017	22.39	2.01
	Rihand III STPS (2*500)	1000	943	954	997	23.77	990	22.42	1.35
	Dadri I STPS (4*210)	840	815	656	612	15.06	627	14.14	0.91
	Dadri II STPS (2*490)	980	980	1013	768	20.85	869	20.36	0.49
	Unchahar I TPS (2*210)	420	403	416	428	10.16	423	9.52	0.64
	Unchahar II TPS (2*210)	420	401	420	435	10.15	423	9.32	0.83
	Unchahar III TPS (1*220)	210	200	199	215	4.94	206	4.56	0.38
	ISTPP (Jhajjhar) (3*500)	1500	1000	1013	660	17.31	721	17.28	0.02
	Dadri GPS (4*130.19+2*154.51)	830	806	370	281	7.80	325	7.73	0.07
	Anta GPS (3*88.71+1*153.2)	419	382	245	203	5.54	231	5.35	0.20
	Auraiya GPS (4*111.19+2*109.30)	663	634	304	256	6.40	267	6.26	0.14
	Dadri Solar	5	1	0	0	0.02	1	0.03	0.00
	Unchahar Solar	10	3	0	0	0.04	1	0.06	-0.03
	Singrauli Solar	15	3	0	0	0.05	2	0.07	-0.02
	KHEP	400	0	0	0	0.00	0	0.00	0.00
<b>Sub Total (A)</b>	<b>11712</b>	<b>9794</b>	<b>9087</b>	<b>8377</b>	<b>200</b>	<b>8353</b>	<b>194</b>	<b>7</b>	
B. NPC	NAPS (2*220)	440	385	397	414	8.82	367	9.24	-0.42
	RAPS- B (2*220)	440	371	411	415	8.82	367	8.90	-0.09
	RAPS- C (2*220)	440	405	432	441	9.33	389	9.72	-0.39
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1161</b>	<b>1240</b>	<b>1270</b>	<b>26.96</b>	<b>1123</b>	<b>27.86</b>	<b>-0.90</b>
C. NHPC	Chamera I HPS (3*180)	540	534	543	540	9.69	404	9.53	0.16
	Chamera II HPS (3*100)	300	300	312	310	7.43	309	7.20	0.23
	Chamera III HPS (3*77)	231	231	239	231	5.62	234	5.55	0.07
	Bairasuil HPS(3*60)	180	179	185	62	2.49	104	2.41	0.07
	Salal-HPS (6*115)	690	661	672	672	16.21	676	15.87	0.34
	Tanakpur-HPS (3*40)	94	56	54	59	1.43	60	1.35	0.08
	Uri-I HPS (4*120)	480	475	474	476	11.59	483	11.40	0.19
	Uri-II HPS (4*60)	240	114	120	120	2.74	114	2.74	0.00
	Dhauliganga-HPS (4*70)	280	280	289	144	4.99	208	4.61	0.38
	Dulhasti-HPS (3*130)	390	386	396	396	9.40	392	9.26	0.13
	Sewa-II HPS (3*40)	120	119	128	35	1.81	75	1.70	0.11
	Parbati 3 (4*130)	520	390	394	0	2.49	104	2.44	0.06
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3726</b>	<b>3806</b>	<b>3043</b>	<b>76</b>	<b>3161</b>	<b>74</b>	<b>2</b>
D. SJVNL	NJPC (6*250)	1500	1605	1637	1621	38.86	1619	38.52	0.34
	Rampur HEP (6*68.67)	412	375	375	375	9.00	375	9.00	0.00
<b>Sub Total (D)</b>	<b>1912</b>	<b>1980</b>	<b>2012</b>	<b>1996</b>	<b>47.87</b>	<b>1994</b>	<b>47.52</b>	<b>0.35</b>	
E. THDC	Tehri HPS (4*250)	1000	432	497	250	6.76	282	6.70	0.06
	Koteshwar HPS (4*100)	400	146	303	100	3.54	147	3.50	0.04
<b>Sub Total (E)</b>	<b>1400</b>	<b>578</b>	<b>800</b>	<b>350</b>	<b>10.30</b>	<b>429</b>	<b>10.20</b>	<b>0.10</b>	
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	1140	1317	946	27.18	1132	27.36	-0.18
	Dehar HPS (6*165)	990	605	825	560	14.64	610	14.53	0.11
	Pong HPS (6*66)	396	118	318	126	2.89	121	2.83	0.06
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1863</b>	<b>2460</b>	<b>1632</b>	<b>44.70</b>	<b>1863</b>	<b>44.72</b>	<b>-0.01</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	172	89	3.22	134	3.59	-0.37
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1200	1060	26.22	1092	24.99	1.23
	Malana Stg-II HPS (2*50)	100	0	60	40	1.33	56	1.25	0.09
	Shree Cement TPS (2*150)	300	0	294	294	7.03	293	7.04	-0.01
	Budhil HPS(IPP) (2*35)	70	0	70	36	1.14	47	1.12	0.01
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1796</b>	<b>1520</b>	<b>38.93</b>	<b>1622</b>	<b>37.99</b>	<b>0.95</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24972</b>	<b>19103</b>	<b>21201</b>	<b>18189</b>	<b>445.12</b>	<b>18546</b>	<b>436.32</b>	<b>8.80</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	1020	900	21.29	887
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	310	270	6.66	278
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	943	740	19.16	798
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1392	1374	28.88	1203
	Talwandi Saboo (1*660)	660	642	335	10.79	450
	<b>Thermal (Total)</b>	<b>4680</b>	<b>4307</b>	<b>3619</b>	<b>86.78</b>	<b>3616</b>
	Total Hydro	1148	606	649	15.38	641
	<b>Total Punjab</b>	<b>5828</b>	<b>4913</b>	<b>4268</b>	<b>102.17</b>	<b>4257</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	291	243	6.57	274
Faridabad GPS (NTPC)		432	180	173	4.39	183
RGTPP (Khedar) (IPP) (2*600)		1200	0	0	0.00	0
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CL.P) (2*660)		1320	1231	785	26.04	1085
<b>Thermal (Total)</b>		<b>4944</b>	<b>1702</b>	<b>1201</b>	<b>37.00</b>	<b>1542</b>
Total Hydro		62	27	27	0.61	25
<b>Total Haryana</b>		<b>5006</b>	<b>1729</b>	<b>1228</b>	<b>37.61</b>	<b>1567</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	989	988	23.81
	suratgarh TPS (6*250)	1500	1064	778	21.55	898
	Chabra TPS (4*250)	1000	419	410	10.27	428
	Dholpur GPS (3*110)	330	76	44	1.69	70
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	54	55	1.30	54
	RAPS A (NPC) (1*100+1*200)	300	137	138	3.37	140
	Barsingar (NLC) (2*125)	250	96	89	2.13	89
	Giral LTPS (2*125)	250	70	92	1.92	80
	Rajwest LTPS (IPP) (8*135)	1080	630	721	15.21	634
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	455	465	11.09	462
	Kawai(Adani) (2*660)	1320	589	609	14.24	593
	<b>Thermal (Total)</b>	<b>8276</b>	<b>4579</b>	<b>4389</b>	<b>107</b>	<b>4441</b>
	Total Hydro	550	0	0	0.15	6
	Wind power	2798	334	464	7.02	292
	Biomass	99	24	24	0.57	24
	Solar	730	0	0	0.02	1
	Renewable/Others (Total)	3627	358	488	7.61	317
	<b>Total Rajasthan</b>	<b>12453</b>	<b>4937</b>	<b>4877</b>	<b>114.33</b>	<b>4764</b>
	UP	Anpara TPS (3*210+2*500)	1630	1472	1436	31.50
Obra TPS (2*50+2*94+5*200)		1194	437	324	8.40	350
Paricha TPS (2*110+2*220+2*250)		1140	778	632	16.70	696
Panki TPS (2*105)		210	149	140	3.40	142
Harduaganj TPS (1*60+1*105+2*250)		665	495	450	11.61	484
Tanda TPS (NTPC) (4*110)		440	370	380	8.90	371
Roza TPS (IPP) (4*300)		1200	1008	1071	24.43	1018
Anpara-C (IPP) (2*600)		1200	1085	1084	25.58	1066
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	404	404	9.22	384
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>6198</b>	<b>5921</b>	<b>140</b>	<b>5822</b>
Vishnuparyag HPS (IPP)(including Alakanada)		400	608	585	14.66	611
Other Hydro		527	16	117	2.05	85
Cogeneration		981	120	120	2.90	121
<b>Total UP</b>		<b>11197</b>	<b>6942</b>	<b>6743</b>	<b>159.34</b>	<b>6028</b>
Uttarakhand	Total Hydro	1398	819	720	18.82	784
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>819</b>	<b>720</b>	<b>18.82</b>	<b>784</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.02	1
	Delhi Gas Turbine (6x30 + 3x34)	282	74	78	1.71	71
	Pragati Gas Turbine (2x104+ 1x122)	330	265	265	6.39	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	270	270	6.50	271
	Badarpur TPS (NTPC) (3*95+2*210)	705	320	346	8.06	336
	<b>Thermal (Total)</b>	<b>2917</b>	<b>929</b>	<b>959</b>	<b>22.67</b>	<b>945</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>929</b>	<b>959</b>	<b>22.67</b>	<b>945</b>
HP	Baspa HPS (IPP) (2*100)	300	330	330	7.92	330
	Malana HPS (IPP) (2*43)	86	67	41	1.24	52
	Other Hydro	728	498	463	11.46	478
	<b>Total HP</b>	<b>1114</b>	<b>895</b>	<b>834</b>	<b>20.63</b>	<b>859</b>
J & K	Baglihar HPS (IPP) (3*150)	450	450	450	10.80	450
	Other Hydro/IPP	436	200	196	4.48	187
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>650</b>	<b>646</b>	<b>15.28</b>	<b>637</b>
<b>Total State Control Area Generation</b>		<b>41007</b>	<b>21814</b>	<b>20275</b>	<b>490.83</b>	<b>19841</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>6115</b>	<b>5822.5</b>	<b>143.15</b>	<b>5965</b>
<b>Total Regional Availability(Gross)</b>		<b>65979</b>	<b>49130</b>	<b>44286</b>	<b>1079.10</b>	<b>44352</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11969	10510	8211	209.51	8730
State Control Area Hydro	5684	3013	2993	87.56	3038
<b>Total Regional Hydro</b>	<b>17654</b>	<b>13523</b>	<b>11204</b>	<b>297.07</b>	<b>11767</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	250	250	500	0	5.63	0.00	5.63	
Gwalior-Agra (D/C)	2343	2089	2425	0	52.27	0.00	52.27		
Zerda-Kankroli	-29	-110	0	206	0.00	3.15	-3.15		
Zerda-Bhinmal	16	-64	33	226	0.00	1.88	-1.88		
Malanpur-Auraiya	0	0	0	0	0.00	0.00	0.00		
Badod-Kota/Morak	1	-18	31	48	0.00	0.32	-0.32		
Mundra-Mohinderqarh(HVDC)	2496	2503	2507	0	60.44	0.00	60.44		
Vindhychal - Rihand	504	401	505	0	11.12	0.00	11.12		
<b>Sub Total WR</b>	<b>5581</b>	<b>5051</b>			<b>129.45</b>	<b>5.35</b>	<b>124.10</b>		
Pusauli Bypass	400	400	400	0	8.86	0.00	8.86		
MZP- GKP (D/C)	-29	135	298	97	2.85	0.00	2.85		
Patna-Balia(D/C)	95	23	123	0	1.27	0.00	1.27		
B'Sharif-Balia (D/C)	-93	18	83	102	0.00	0.02	-0.02		
Pusauli-Balia	-11	6	116	87	0.52	0.00	0.52		
Gaya-Fatehpur (765 Kv)	0	-2	0	2	0.00	0.04	-0.04		
Pusauli-Sahupuri	142	135	182	0	3.34	0.00	3.34		
K'nasa-Sahupuri	0	0	0	0	0.93	0.00	0.93		
Son Ngr-Rihand	-37	-42	0	44	0.00	0.96	-0.96		
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
Sasaram - Fatehpur(765 Kv)	-123	-47	72	229	0.00	1.27	-1.27		
Barh -GKP (D/C)	190	146	231	0	3.57	0.00	3.57		
<b>Sub Total ER</b>	<b>534</b>	<b>772</b>			<b>21.32</b>	<b>2.28</b>	<b>19.05</b>		
<b>Total IR Exch</b>	<b>6115</b>	<b>5823</b>			<b>150.78</b>	<b>7.63</b>	<b>143.15</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
27.02	2.00	29.02	14.97	0.95	-0.26	-0.06	0.65	-0.65

  

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
44.38	98.84	143.22	19.05	124.10	143.15	-25.33	25.27	-0.07

**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	-22	-12	0	31	0	0	0	

**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	0.53	4.30	23.40	68.10	65.83	9.34	1.46	0.01	NA

Frequency (Hz)				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN (Hz)
Freq	Time	Freq	Time					
50.20	5.04	49.65	14.22	49.96	0.09	0.08	50.16	49.81

**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	401	05:07	395	14:29	0.0	0.0
Gorakhpur	400	415	05:16	401	11:23	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	409	05:05	396	11:23	0.0	0.0	0.0	0.0
Dadri	400	409	05:16	394	10:26	0.0	0.0	0.0	0.0
Ballabgarh	400	414	05:05	398	10:26	0.0	0.0	0.0	0.0
Bawana	400	412	05:17	397	11:21	0.0	0.0	0.0	0.0
Bassi	400	417	04:02	400	10:25	0.0	0.0	0.0	0.0
Hissar	400	400	05:16	384	19:52	0.0	21.2	0.0	0.0
Moga	400	404	05:04	392	10:27	0.0	0.0	0.0	0.0
Abdullapur	400	410	05:07	396	10:55	0.0	1.7	0.0	0.0
Nalagarh	400	404	04:02	394	10:16	0.0	0.0	0.0	0.0
Kishenpur	400	411	02:21	402	20:16	0.0	0.0	0.0	0.0
Wagoora	400	407	02:29	388	07:35	0.0	3.8	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	766	05:16	731	19:50	0.0	16.5
Balia	765	773	05:16	740	11:23	0.0	0.9	0.0	0.0
Moga	765	776	05:05	753	10:28	0.0	0.0	0.0	0.0
Agra	765	774	05:05	747	10:26	0.0	0.0	0.0	0.0
Bhiwani	765	776	00:00	758	19:51	0.0	0.0	0.0	0.0
Unnao	765	753	05:16	730	11:23	0.0	71.0	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	486.94	644.48	482.98	536.06	749.63	965.21
Pong	426.72	384.05	405.68	361.16	401.55	252.05	93.30	207.93
Tehri	829.79	740.04	741.55	9.00	742.85	14.17	193.84	241.00
Koteshwar	612.50	598.50	610.18	4.44	610.16	4.44	241.00	234.00
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	292.66	262.75
Rihand	268.22	252.98	837.90	91.80	841.10	131.20	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	522.13	6.69	520.84	10.03	312.41	240.16

\* 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	972	8	0	926	0	0	24.60	0.92	25.52
Delhi	393	164	-25	264	83	-25	8.67	4.67	13.35
Haryana	1011	168	0	997	235	0	24.66	1.38	26.04
HP	-1067	-182	0	-840	-329	0	-21.75	-5.33	-27.08
J&K	-591	-42	0	-434	-17	0	-12.18	-0.54	-12.72
CHD	0	0	0	0	0	0	0.24	0.02	0.26
Rajasthan	-377	329	2	-397	458	0	-8.38	9.05	0.67
UP	859	0	0	621	0	0	14.57	0.00	14.57
Uttarakhand	34	49	9	28	157	25	0.97	2.78	3.75
<b>Total</b>	<b>1235</b>	<b>494</b>	<b>-15</b>	<b>1166</b>	<b>587</b>	<b>-1</b>	<b>31.40</b>	<b>12.95</b>	<b>44.35</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1215	926	124	0	0	0
Delhi	486	253	536	-134	0	-25
Haryana	1086	997	258	-301	0	0
HP	-840	-1067	-176	-415	0	0
J&K	-434	-650	130	-42	0	0
CHD	30	0	20	-25	0	0
Rajasthan	-243	-397	612	24	2	0
UP	911	471	0	0	0	0
Uttarakhand	60	28	157	49	25	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 17.06.2015 :**  
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 :**