

# 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 19.06.2015  
Date of Reporting : 20.06.2015

### 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
48138	2745	50883	50.02	46811	2552	49364	50.12	1107.3	79.33

\* 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	91.17	16.75		107.92	117.91	117.07	-0.84	224.99	0.00
Haryana	53.75	0.73		54.49	117.95	115.53	-2.43	170.01	14.92
Rajasthan	105.17	0.00	11.32	116.49	72.44	75.69	3.25	192.18	0.00
Delhi	22.65			22.65	92.73	94.12	1.38	116.77	0.62
UP	139.00	19.90		158.90	134.89	135.27	0.39	294.17	54.59
Uttarakhand		19.51		19.51	20.21	20.65	0.44	40.16	0.60
HP		21.12		21.12	3.42	4.49	1.08	25.61	0.00
J & K		15.13	0.00	15.13	22.51	21.48	-1.03	36.61	8.61
Chandigarh				0.00	6.74	6.78	0.27	6.78	0.00
<b>Total</b>	<b>411.74</b>	<b>93.13</b>	<b>11.32</b>	<b>516.20</b>	<b>588.80</b>	<b>591.10</b>	<b>2.52</b>	<b>1107.29</b>	<b>79.33</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	10201	0	-18	981	8987	0	-102	1022	10490
Haryana	7835	61	-41	1123	7417	0	-210	1018	7970
Rajasthan	8112	0	240	-75	7930	0	-25	78	9245
Delhi	4956	0	23	215	4842	0	183	275	5685
UP	12240	2190	-148	767	12838	2220	336	870	12917
Uttarakhand	1805	75	73	223	1668	0	63	190	1868
HP	1028	0	-77	-1110	998	0	11	-1181	1299
J&K	1674	418	-114	-284	1882	332	179	-313	1882
Chandigarh	289	0	-13	0	250	0	15	0	342
<b>Total</b>	<b>48138</b>	<b>2745</b>	<b>-76</b>	<b>1841</b>	<b>46811</b>	<b>2552</b>	<b>450</b>	<b>1960</b>	<b>49545</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 1.04

### 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	1854	2023	2022	44.86	1869	44.50	0.36
	Rihand I STPS (2*500)	1000	431	476	460	11.16	465	10.23	0.93
	Rihand II STPS (2*500)	1000	943	1010	1045	24.26	1011	22.39	1.87
	Rihand III STPS (2*500)	1000	943	997	990	23.68	987	22.31	1.37
	Dadri I STPS (4*210)	840	805	867	881	20.02	834	18.88	1.14
	Dadri II STPS (2*490)	980	970	973	1022	23.20	967	22.96	0.24
	Unchahar I TPS (2*210)	420	398	436	431	10.07	420	9.36	0.71
	Unchahar II TPS (2*210)	420	398	435	439	10.15	423	9.42	0.73
	Unchahar III TPS (1*220)	210	199	219	222	5.10	212	4.69	0.41
	ISTPP (Jhajhar) (3*500)	1500	968	938	849	20.04	835	20.14	-0.10
	Dadri GPS (4*130.19+2*154.51)	830	793	451	335	9.07	378	9.25	-0.17
	Anta GPS (3*88.71+1*153.2)	419	375	295	211	6.05	252	5.91	0.14
	Auraiya GPS (4*111.19+2*109.30)	663	632	299	230	6.46	269	6.45	0.02
	Dadri Solar	5	1	0	0	0.02	1	0.03	0.00
	Unchahar Solar	10	3	0	0	0.00	0	0.06	-0.06
	Singrauli Solar	15	3	0	0	0.07	3	0.07	0.00
KHEP	400	0	200	200	7.49	312	0.00	7.49	
<b>Sub Total (A)</b>	<b>11712</b>	<b>9716</b>	<b>9619</b>	<b>9337</b>	<b>222</b>	<b>9238</b>	<b>207</b>	<b>15</b>	
B. NPC	NAPS (2*220)	440	380	396	415	8.74	364	9.12	-0.38
	RAPS- B (2*220)	440	367	408	411	8.75	365	8.81	-0.06
	RAPS- C (2*220)	440	405	422	429	9.12	380	9.72	-0.60
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1152</b>	<b>1226</b>	<b>1255</b>	<b>26.61</b>	<b>1109</b>	<b>27.65</b>	<b>-1.04</b>
C. NHPC	Chamera I HPS (3*180)	540	534	555	536	13.01	542	12.76	0.25
	Chamera II HPS (3*100)	300	300	310	304	7.34	306	7.20	0.14
	Chamera III HPS (3*77)	231	231	235	232	5.63	235	5.55	0.08
	Bairasuil HPS(3*60)	180	179	184	124	3.03	126	2.88	0.15
	Salal-HPS (6*115)	690	661	672	672	16.20	675	15.87	0.33
	Tanakpur-HPS (3*40)	94	79	66	82	1.94	81	1.88	0.06
	Uri-I HPS (4*120)	480	475	473	473	11.57	482	11.40	0.18
	Uri-II HPS (4*60)	240	120	120	120	2.88	120	2.88	0.00
	Dhauliganga-HPS (4*70)	280	280	284	281	6.73	281	6.47	0.26
	Dulhasti-HPS (3*130)	390	386	395	394	9.30	388	9.26	0.04
	Sewa-II HPS (3*40)	120	119	130	82	1.78	74	1.70	0.08
	Parbati 3 (4*130)	520	390	394	132	4.47	186	4.42	0.05
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3755</b>	<b>3816</b>	<b>3432</b>	<b>84</b>	<b>3495</b>	<b>82</b>	<b>2</b>
	D. SJVNL	NJPC (6*250)	1500	1435	1605	1605	32.77	1366	32.70
Rampur HEP (6*68.67)		412	336	377	376	7.66	319	7.60	0.06
<b>Sub Total (D)</b>		<b>1912</b>	<b>1771</b>	<b>1982</b>	<b>1981</b>	<b>40.43</b>	<b>1685</b>	<b>40.30</b>	<b>0.13</b>
E. THDC	Tehri HPS (4*250)	1000	488	489	253	8.11	338	8.00	0.11
	Koteswar HPS (4*100)	400	215	303	102	4.79	200	4.80	-0.01
	<b>Sub Total (E)</b>	<b>1400</b>	<b>703</b>	<b>792</b>	<b>355</b>	<b>12.90</b>	<b>537</b>	<b>12.80</b>	<b>0.10</b>
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	1133	1324	946	27.10	1129	27.19	-0.09
	Dehar HPS (6*165)	990	603	825	560	14.64	610	14.46	0.17
	Pong HPS (6*66)	396	149	318	66	3.52	147	3.58	-0.06
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1885</b>	<b>2467</b>	<b>1572</b>	<b>45.25</b>	<b>1885</b>	<b>45.23</b>	<b>0.02</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	231	229	5.30	221	4.54	0.76
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1200	1200	28.67	1195	28.51	0.16
	Malana Stg-II HPS (2*50)	100	0	85	81	2.13	89	2.00	0.13
	Shree Cement TPS (2*150)	300	0	293	296	7.01	292	7.04	-0.03
	Budhil HPS(IPP) (2*35)	70	0	74	71	1.74	73	1.68	0.06
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1884</b>	<b>1876</b>	<b>44.86</b>	<b>1869</b>	<b>43.77</b>	<b>1.09</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24972</b>	<b>18981</b>	<b>21786</b>	<b>19808</b>	<b>475.64</b>	<b>19818</b>	<b>458.66</b>	<b>16.98</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	850	850	21.20	883
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	431	360	9.23	384
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	932	868	19.95	831
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1379	1286	30.10	1254
	Talwandi Saboo (1*660)	660	650	313	10.69	446
	<b>Thermal (Total)</b>	<b>4680</b>	<b>4242</b>	<b>3677</b>	<b>91.17</b>	<b>3799</b>
	Total Hydro	1148	752	585	16.75	698
	<b>Total Punjab</b>	<b>5828</b>	<b>4994</b>	<b>4262</b>	<b>107.92</b>	<b>4497</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	-0.08
DCRTPP (Yamuna nagar) (2*300)		600	561	566	12.18	508
Faridabad GPS (NTPC)		432	178	172	4.41	184
RGTPP (Khedar) (IPP) (2*600)		1200	1147	1145	24.20	1008
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	589	613	13.05	544
<b>Thermal (Total)</b>		<b>4944</b>	<b>2475</b>	<b>2496</b>	<b>53.75</b>	<b>2240</b>
Total Hydro		62	31	29	0.73	31
<b>Total Haryana</b>		<b>5006</b>	<b>2506</b>	<b>2525</b>	<b>54.49</b>	<b>2270</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	800	800	19.25
	suratgarh TPS (6*250)	1500	1064	1071	25.18	1049
	Chabra TPS (4*250)	1000	350	441	9.11	380
	Dholpur GPS (3*110)	330	78	78	1.91	80
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	54	55	1.32	55
	RAPS A (NPC) (1*100+1*200)	300	139	138	3.37	140
	Barsingar (NLC) (2*125)	250	95	96	2.14	89
	Giral LTPS (2*125)	250	92	75	1.73	72
	Rajwest LTPS (IPP) (8*135)	1080	659	698	15.93	664
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	460	460	10.98	457
	Kawai(Adani) (2*660)	1320	582	602	14.24	593
	<b>Thermal (Total)</b>	<b>8276</b>	<b>4373</b>	<b>4514</b>	<b>105</b>	<b>4382</b>
	Total Hydro	550	0	0	0.00	0
	Wind power	2798	289	658	7.94	331
	Biomass	99	24	24	0.58	24
	Solar	730	0	0	2.80	117
	Renewable/Others (Total)	3627	313	682	11.32	472
	<b>Total Rajasthan</b>	<b>12453</b>	<b>4686</b>	<b>5196</b>	<b>116.49</b>	<b>4854</b>
	UP	Anpara TPS (3*210+2*500)	1630	1364	1329	32.00
Obra TPS (2*50+2*94+5*200)		1194	410	311	8.50	354
Paricha TPS (2*110+2*220+2*250)		1140	763	848	17.90	746
Panki TPS (2*105)		210	149	149	3.50	146
Harduaganj TPS (1*60+1*105+2*250)		665	535	552	11.40	475
Tanda TPS (NTPC) (4*110)		440	370	360	8.90	371
Roza TPS (IPP) (4*300)		1200	792	797	19.20	800
Anpara-C (IPP) (2*600)		1200	1044	1089	25.20	1050
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	403	403	9.50	396
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>5830</b>	<b>5838</b>	<b>136</b>	<b>5671</b>
Vishnuparyag HPS (IPP)(including Alakanada)		400	706	654	16.10	671
Other Hydro		527	144	190	3.80	158
Cogeneration		981	120	120	2.90	121
<b>Total UP</b>		<b>11197</b>	<b>6800</b>	<b>6802</b>	<b>158.90</b>	<b>5950</b>
Uttarakhand	Total Hydro	1398	855	775	19.51	813
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>855</b>	<b>775</b>	<b>19.51</b>	<b>813</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.03	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	77	77	1.70	71
	Pragati Gas Turbine (2x104+ 1x122)	330	274	265	6.50	271
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	269	269	6.51	271
	Badarpur TPS (NTPC) (3*95+2*210)	705	370	385	7.98	333
	<b>Thermal (Total)</b>	<b>2917</b>	<b>990</b>	<b>996</b>	<b>22.65</b>	<b>944</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>990</b>	<b>996</b>	<b>22.65</b>	<b>944</b>
HP	Baspa HPS (IPP) (2*100)	300	330	330	7.89	329
	Malana HPS (IPP) (2*43)	86	93	92	1.80	75
	Other Hydro	728	496	467	11.43	476
	<b>Total HP</b>	<b>1114</b>	<b>919</b>	<b>889</b>	<b>21.12</b>	<b>880</b>
J & K	Baglihar HPS (IPP) (3*150)	450	442	442	10.61	442
	Other Hydro/IPP	436	171	201	4.52	188
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>613</b>	<b>643</b>	<b>15.13</b>	<b>630</b>
<b>Total State Control Area Generation</b>		<b>41007</b>	<b>22363</b>	<b>22088</b>	<b>516.20</b>	<b>20837</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>6053</b>	<b>6204</b>	<b>147.29</b>	<b>6137</b>
<b>Total Regional Availability(Gross)</b>		<b>65979</b>	<b>50202</b>	<b>48100</b>	<b>1139.12</b>	<b>46793</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11969	10773	9049	226.06	9419
State Control Area Hydro	5684	3314	3111	93.13	3210
<b>Total Regional Hydro</b>	<b>17654</b>	<b>14087</b>	<b>12160</b>	<b>319.19</b>	<b>12629</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	50	400	400	0	6.52	0.00	6.52
Gwalior-Agra (D/C)	2200	2218	2287	0	49.39	0.00	49.39
Zerda-Kankroli	2	-104	2	201	0.00	2.10	-2.10
Zerda-Bhinmal	28	-71	93	158	0.00	0.99	-0.99
Malanpur-Auraiya	0	0	0	0	0.00	0.00	0.00
Badod-Kota/Morak	33	21	88	38	0.72	0.00	0.72
Mundra-Mohinderqarh(HVDC)	2502	2503	2507	0	60.46	0.00	60.46
Vindhychal - Rihand	495	338	496	0	9.64	0.00	9.64
<b>Sub Total WR</b>	<b>5310</b>	<b>5305</b>			<b>126.72</b>	<b>3.09</b>	<b>123.63</b>
Pusauli Bypass	400	400	400	0	9.00	0.00	9.00
MZP- GKP (D/C)	26	122	264	77	3.21	0.00	3.21
Patna-Balia(D/C)	135	138	243	0	3.85	0.00	3.85
B'Sharif-Balia (D/C)	-104	-61	0	147	0.00	1.27	-1.27
Pusauli-Balia	28	25	234	103	0.74	0.00	0.74
Gaya-Fatehpur (765 Kv)	0	0	0	0	0.00	0.00	0.00
Pusauli-Sahupuri	144	162	177	0	3.71	0.00	3.71
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
Son Ngr-Rihand	-40	-28	0	44	0.00	0.86	-0.86
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	-86	-73	143	177	0.00	0.06	-0.06
Barh -GKP (D/C)	240	214	300	0	5.34	0.00	5.34
<b>Sub Total ER</b>	<b>743</b>	<b>899</b>			<b>25.84</b>	<b>2.18</b>	<b>23.66</b>
<b>Total IR Exch</b>	<b>6053</b>	<b>6204</b>			<b>152.57</b>	<b>5.28</b>	<b>147.29</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
34.62	1.87	36.49	15.84	2.47	-0.22	0.00	0.58	-0.58
<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
52.69	96.98	149.68	23.66	123.63	147.29	-29.03	26.65	-2.39

**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	-25	-28	0	38	0	1	-0.59

**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	1.63	17.14	56.95	65.36	12.52	4.53	0.50	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					
50.27	5.04	49.71	19.23	49.98	0.07	0.08	50.25	49.90

**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	400	05:22	393	20:00	0.0	0.0	0.0	0.0
Gorakhpur	400	415	05:27	399	11:52	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	410	05:04	395	14:07	0.0	0.0	0.0	0.0
Dadri	400	410	06:01	392	14:07	0.0	0.0	0.0	0.0
Ballabgarh	400	415	06:00	394	14:09	0.0	0.0	0.0	0.0
Bawana	400	412	05:58	395	10:27	0.0	0.0	0.0	0.0
Bassi	400	415	03:01	399	10:25	0.0	0.0	0.0	0.0
Hissar	400	403	05:58	385	13:55	0.0	14.1	0.0	0.0
Moga	400	406	05:04	391	14:08	0.0	0.0	0.0	0.0
Abdullapur	400	412	16:23	396	11:17	0.0	0.0	0.0	0.0
Nalagarh	400	414	17:58	391	10:16	0.0	0.0	0.0	0.0
Kishenpur	400	412	01:52	400	13:38	0.0	0.0	0.0	0.0
Wagoora	400	408	06:01	385	20:37	0.0	11.0	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	766	06:01	728	14:08	0.0	28.3	0.0	0.0
Balia	765	761	17:02	741	10:25	0.0	0.1	0.0	0.0
Moga	765	779	05:04	749	14:19	0.0	0.0	0.0	0.0
Agra	765	780	05:06	745	14:10	0.0	0.0	0.0	0.0
Bhiwani	765	783	05:06	752	14:08	0.0	0.0	0.0	0.0
Unnao	765	756	06:01	723	14:20	3.3	76.2	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	487.10	644.48	484.35	569.03	1214.62	956.66
Pong	426.72	384.05	405.60	361.16	401.71	259.17	190.52	244.80
Tehri	829.79	740.04	742.05	9.37	743.90	19.04	336.59	288.00
Koteshwar	612.50	598.50	610.20	4.66	609.75	4.44	288.00	318.00
Chamera-I	760.00	748.75	751.90	0.00	0.00	0.00	417.63	352.54
Rihand	268.22	252.98	837.80	90.60	841.00	130.00	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	522.13	7.91	521.11	9.82	217.61	258.02

\* 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	1022	0	0	981	0	0	26.30	0.49	26.79
Delhi	351	-45	-30	281	-35	-30	8.17	3.42	11.59
Haryana	1033	-15	0	1014	109	0	25.22	-4.20	21.02
HP	-983	-197	0	-832	-278	0	-21.26	-5.04	-26.30
J&K	-439	126	0	-434	150	0	-10.66	0.24	-10.42
CHD	0	0	0	0	0	0	0.24	0.32	0.56
Rajasthan	-461	537	2	-466	391	0	-10.72	14.91	4.19
UP	870	0	0	767	0	0	15.57	0.00	15.57
Uttarakhand	45	118	28	37	157	29	1.26	3.29	4.56
<b>Total</b>	<b>1438</b>	<b>523</b>	<b>-1</b>	<b>1348</b>	<b>494</b>	<b>-1</b>	<b>34.12</b>	<b>13.43</b>	<b>47.56</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1260	981	98	0	0	0
Delhi	463	213	601	-174	0	-30
Haryana	1099	1014	166	-809	0	0
HP	-832	-983	-128	-410	0	0
J&K	-398	-498	273	-123	0	0
CHD	30	0	69	0	0	0
Rajasthan	-368	-466	1438	-1	2	0
UP	933	471	0	0	0	0
Uttarakhand	74	37	157	79	29	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 19.06.2015 :**

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 :**