

# 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 27.06.2015  
Date of Reporting : 28.06.2015

### 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
44309	1847	46156	50.04	42169	1971	44140	50.06	1028.5	46.28

\* 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	80.32	20.50		100.82	116.61	116.98	0.37	217.80	0.00
Haryana	39.30	0.76		40.06	123.91	123.06	-0.85	163.12	0.03
Rajasthan	84.10	0.00	18.71	102.81	60.75	62.25	1.51	165.06	0.00
Delhi	21.35			21.35	78.60	78.73	0.13	100.08	0.06
UP	136.03	7.70		143.73	132.44	131.88	-0.56	275.61	36.94
Uttarakhand		15.83		15.83	19.87	21.45	1.58	37.27	0.40
HP		22.15		22.15	3.44	3.97	0.52	26.12	0.00
J & K		15.06	0.00	15.06	20.92	22.65	1.73	37.71	8.86
Chandigarh				0.00	5.92	5.73	0.27	5.73	0.00
<b>Total</b>	<b>361.09</b>	<b>82.00</b>	<b>18.71</b>	<b>461.80</b>	<b>562.47</b>	<b>566.70</b>	<b>4.69</b>	<b>1028.50</b>	<b>46.28</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	9560	0	-77	1004	8435	0	-32	1133	10065
Haryana	7387	36	-331	1184	6827	0	-34	1220	7873
Rajasthan	6774	0	113	-3	6408	0	110	94	7645
Delhi	4184	0	-125	182	4196	0	187	217	4832
UP	11517	1225	-183	644	11955	1620	250	696	12254
Uttarakhand	1719	110	106	136	1453	35	96	62	1755
HP	1010	0	24	-1203	895	0	-3	-1408	1253
J&K	1905	476	158	-259	1788	316	232	-264	1905
Chandigarh	253	0	0	0	212	0	3	0	279
<b>Total</b>	<b>44309</b>	<b>1847</b>	<b>-316</b>	<b>1684</b>	<b>42169</b>	<b>1971</b>	<b>808</b>	<b>1749</b>	<b>46715</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	1737	1545	1843	40.93	1706	41.32	-0.39
	Rihand I STPS (2*500)	1000	791	850	737	18.69	779	17.22	1.47
	Rihand II STPS (2*500)	1000	925	906	889	21.29	887	19.98	1.32
	Rihand III STPS (2*500)	1000	949	1001	955	20.79	866	19.80	0.99
	Dadri I STPS (4*210)	840	810	520	578	11.74	489	11.49	0.25
	Dadri II STPS (2*490)	980	975	743	724	17.41	725	17.60	-0.19
	Unchahar I TPS (2*210)	420	402	429	353	8.18	341	8.69	-0.51
	Unchahar II TPS (2*210)	420	400	422	260	7.77	324	8.36	-0.58
	Unchahar III TPS (1*220)	210	200	183	145	3.50	146	3.75	-0.25
	ISTPP (Jhajihar) (3*500)	1500	1000	865	635	14.83	618	15.20	-0.37
	Dadri GPS (4*130.19+2*154.51)	830	790	182	185	4.31	179	4.44	-0.13
	Anta GPS (3*88.71+1*153.2)	419	380	222	236	4.92	205	4.85	0.08
	Auraiya GPS (4*111.19+2*109.30)	663	627	155	145	3.66	152	3.75	-0.09
	Dadri Solar	5	1	0	0	0.03	1	0.03	0.00
	Unchahar Solar	10	3	0	0	0.04	2	0.06	-0.03
	Singrauli Solar	15	3	0	0	0.08	3	0.07	0.01
	KHEP	800	0	0	0	0.00	0	0.00	0.00
<b>Sub Total (A)</b>	<b>12112</b>	<b>9993</b>	<b>8023</b>	<b>7685</b>	<b>178</b>	<b>7424</b>	<b>177</b>	<b>2</b>	
B. NPC	NAPS (2*220)	440	371	394	416	8.89	371	8.90	-0.01
	RAPS- B (2*220)	440	367	411	418	8.81	367	8.81	0.00
	RAPS- C (2*220)	440	405	428	427	9.24	385	9.72	-0.48
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1143</b>	<b>1233</b>	<b>1261</b>	<b>26.95</b>	<b>1123</b>	<b>27.43</b>	<b>-0.48</b>
C. NHPC	Chamera I HPS (3*180)	540	537	548	546	13.08	545	12.89	0.20
	Chamera II HPS (3*100)	300	300	312	311	7.44	310	7.20	0.24
	Chamera III HPS (3*77)	231	229	233	231	5.52	230	5.50	0.01
	Bairasuil HPS(3*60)	180	179	181	62	2.82	117	2.76	0.06
	Salal-HPS (6*115)	690	661	671	671	16.17	674	15.87	0.30
	Tanakpur-HPS (3*40)	94	88	96	93	2.19	91	2.11	0.08
	Uri-I HPS (4*120)	480	475	472	475	10.98	458	10.88	0.11
	Uri-II HPS (4*60)	240	119	108	122	2.86	119	2.85	0.02
	Dhauliganga-HPS (4*70)	280	79	287	0	2.06	86	1.93	0.12
	Dulhasti-HPS (3*130)	390	386	395	393	9.31	388	9.26	0.05
	Sewa-II HPS (3*40)	120	119	129	126	2.97	124	2.86	0.11
	Parbati 3 (4*130)	520	390	395	0	3.37	140	3.32	0.06
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3562</b>	<b>3827</b>	<b>3029</b>	<b>79</b>	<b>3282</b>	<b>77</b>	<b>1</b>
	D. SJVNL	NJPC (6*250)	1500	1605	1605	1605	38.50	1604	38.32
Rampur HEP (6*68.67)		412	375	377	376	9.00	375	9.00	0.00
<b>Sub Total (D)</b>	<b>1912</b>	<b>1980</b>	<b>1982</b>	<b>1981</b>	<b>47.50</b>	<b>1979</b>	<b>47.32</b>	<b>0.18</b>	
E. THDC	Tehri HPS (4*250)	1000	528	510	0	7.08	295	7.00	0.08
	Koteshwar HPS (4*100)	400	200	203	99	3.71	155	3.70	0.01
<b>Sub Total (E)</b>	<b>1400</b>	<b>728</b>	<b>713</b>	<b>99</b>	<b>10.79</b>	<b>450</b>	<b>10.70</b>	<b>0.09</b>	
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	1124	1299	923	27.01	1125	26.97	0.04
	Dehar HPS (6*165)	990	608	825	560	14.60	608	14.58	0.02
	Pong HPS (6*66)	396	154	318	66	3.72	155	3.70	0.02
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1885</b>	<b>2442</b>	<b>1549</b>	<b>45.34</b>	<b>1889</b>	<b>45.25</b>	<b>0.08</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	194	172	4.19	175	4.81	-0.62
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1200	1200	28.52	1188	28.51	0.00
	Malana Stg-II HPS (2*50)	100	0	110	75	1.89	79	1.78	0.11
	Shree Cement TPS (2*150)	300	0	295	296	6.73	281	6.72	0.01
	Budhil HPS(IPP) (2*35)	70	0	74	75	1.76	73	1.68	0.08
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1873</b>	<b>1818</b>	<b>43.09</b>	<b>1795</b>	<b>43.50</b>	<b>-0.41</b>
<b>H. Total Regional Entities (A-G)</b>	<b>25372</b>	<b>19291</b>	<b>20093</b>	<b>17422</b>	<b>430.61</b>	<b>17942</b>	<b>428.23</b>	<b>2.38</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	870	820	20.55	856
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	260	260	6.36	265
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	616	636	14.75	614
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1369	1036	28.13	1172
	Talwandi Saboo (1*660)	660	652	320	10.55	439
	<b>Thermal (Total)</b>	<b>4700</b>	<b>3767</b>	<b>3072</b>	<b>80.32</b>	<b>3347</b>
	Total Hydro	1000	877	848	20.50	854
	<b>Total Punjab</b>	<b>5700</b>	<b>4644</b>	<b>3920</b>	<b>100.82</b>	<b>4201</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	222	92	4.52
DCRTPP (Yamuna nagar) (2*300)		600	276	231	5.62	234
Faridabad GPS (NTPC)		432	372	387	8.33	347
RGTTP (Khedar) (IPP) (2*600)		1200	568	374	9.98	416
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	547	384	10.84	452
<b>Thermal (Total)</b>		<b>4944</b>	<b>1985</b>	<b>1468</b>	<b>39.30</b>	<b>1637</b>
Total Hydro		62	32	28	0.76	32
<b>Total Haryana</b>		<b>5006</b>	<b>2017</b>	<b>1496</b>	<b>40.06</b>	<b>1669</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	775	608	17.42
	suratgarh TPS (6*250)	1500	382	373	9.10	379
	Chabra TPS (4*250)	1000	508	451	13.21	551
	Dholpur GPS (3*110)	330	0	0	0.00	0
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	201	208	4.68	195
	RAPS A (NPC) (1*100+1*200)	300	137	137	3.35	140
	Barsingar (NLC) (2*125)	250	96	95	2.21	92
	Giral LTPS (2*125)	250	77	66	1.45	60
	Rajwest LTPS (IPP) (8*135)	1080	549	592	16.14	672
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	387	65	5.28	220
	Kawai(Adani) (2*660)	1320	431	433	11.27	469
	<b>Thermal (Total)</b>	<b>8276</b>	<b>3543</b>	<b>3028</b>	<b>84</b>	<b>3504</b>
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	528	1021	17.47	728
	Biomass	99	23	23	0.55	23
	Solar	730	2	0	0.69	29
	Renewable/Others (Total)	4043	553	1044	18.71	780
	<b>Total Rajasthan</b>	<b>12869</b>	<b>4096</b>	<b>4072</b>	<b>102.81</b>	<b>4284</b>
	UP	Anpara TPS (3*210+2*500)	1630	1391	1365	32.80
Obra TPS (2*50+2*94+5*200)		1194	384	383	9.10	379
Paricha TPS (2*110+2*220+2*250)		1140	709	726	16.30	679
Panki TPS (2*105)		210	126	144	3.10	129
Harduaganj TPS (1*60+1*105+2*250)		665	524	527	12.60	525
Tanda TPS (NTPC) (4*110)		440	375	320	8.31	346
Roza TPS (IPP) (4*300)		1200	806	797	17.76	740
Anpara-C (IPP) (2*600)		1200	1062	1071	25.32	1055
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	403	281	7.85	327
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>5780</b>	<b>5614</b>	<b>133</b>	<b>5547</b>
Vishnuparyag HPS (IPP)(including Alakanada)		730	225	236	5.72	238
Other Hydro		527	48	203	1.98	83
Cogeneration		981	120	120	2.90	121
<b>Total UP</b>		<b>11527</b>	<b>6173</b>	<b>6173</b>	<b>143.73</b>	<b>5750</b>
Uttarakhand	Total Hydro	1398	711	615	15.83	659
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>711</b>	<b>615</b>	<b>15.83</b>	<b>659</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	67	71	1.67	70
	Pragati Gas Turbine (2x104+ 1x122)	330	264	264	6.39	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	269	269	6.41	267
	Badarpur TPS (NTPC) (3*95+2*210)	705	323	323	6.87	286
	<b>Thermal (Total)</b>	<b>2917</b>	<b>923</b>	<b>927</b>	<b>21.35</b>	<b>889</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>923</b>	<b>927</b>	<b>21.35</b>	<b>889</b>
HP	Baspa HPS (IPP) (2*100)	300	331	331	7.75	323
	Malana HPS (IPP) (2*43)	86	74	59	1.63	68
	Other Hydro	878	517	542	12.77	532
	<b>Total HP</b>	<b>1264</b>	<b>922</b>	<b>932</b>	<b>22.15</b>	<b>923</b>
J & K	Baglihar HPS (IPP) (3*150)	450	444	442	10.62	443
	Other Hydro/IPP	560	198	186	4.44	185
	Gas/Diesel/Others	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1200</b>	<b>642</b>	<b>628</b>	<b>15.06</b>	<b>627</b>
<b>Total State Control Area Generation</b>		<b>41881</b>	<b>20128</b>	<b>18763</b>	<b>461.80</b>	<b>19003</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>2937.06</b>	<b>2734.82</b>	<b>145.17</b>	<b>6049</b>
<b>Total Regional Availability(Gross)</b>		<b>67253</b>	<b>43158</b>	<b>38920</b>	<b>1037.58</b>	<b>42994</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	12369	10468	8106	217.00	9042
State Control Area Hydro	5811	3232	3254	82.00	3178
<b>Total Regional Hydro</b>	<b>18180</b>	<b>13700</b>	<b>11360</b>	<b>299.00</b>	<b>12220</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	50	50	100	0.72	0.64	0.08
Gwalior-Agra (D/C)	-1688	-1886	-2099	0	37.05	0.00	37.05
Zerda-Kankroli	-52	-156	0	320	0.00	3.92	-3.92
Zerda-Bhinmal	-44	-175	0	326	0.00	3.99	-3.99
Malanpur-Auraiya	0	0	0	0	0.00	0.00	0.00
Badod-Kota/Morak	-7	-8	36	52	0.00	0.62	-0.62
Mundra-Mohinderqarh(HVDC)	2496	2497	2507	0	60.35	0.00	60.35
Vindhychal - Rihand	467	444	499	0	9.11	0.00	9.11
<b>Sub Total WR</b>	<b>1122</b>	<b>766</b>			<b>107.22</b>	<b>9.17</b>	<b>98.05</b>
Pusauli Bypass	300	300	300	0	7.16	0.00	7.16
MZP- GKP (D/C)	480	520	730	0	13.04	0.00	13.04
Patna-Balia(D/C)	290	287	350	0	6.71	0.00	6.71
B'Sharif-Balia (D/C)	168	199	258	0	4.35	0.00	4.35
Pusauli-Balia	27	105	105	35	0.45	0.00	0.45
Gaya-Fatehpur (765 Kv)	27	105	105	35	0.45	0.00	0.45
Pusauli-Sahupuri	157	150	184	0	3.80	0.00	3.80
K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
Son Ngr-Rihand	-40	-40	0	-43	0.00	-0.84	0.84
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	145	91	305	0	4.04	0.00	4.04
Barh -GKP (D/C)	261	252	267	0	5.30	0.00	5.30
<b>Sub Total ER</b>	<b>1815</b>	<b>1969</b>			<b>46.27</b>	<b>-0.84</b>	<b>47.12</b>
<b>Total IR Exch</b>	<b>2937</b>	<b>2735</b>			<b>153.50</b>	<b>8.32</b>	<b>145.17</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
35.58	3.57	39.16	13.72	1.17	-0.16	-0.02	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 incld Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
53.30	98.86	152.17	47.12	98.05	145.17	-6.18	-0.81	-6.99

**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	-14	0	35	0	1	-0.51

**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	0.04	5.42	44.85	69.16	19.69	5.86	0.00	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)		
50.19	13.01	49.80	15.15	50.01	0.04	0.06	50.20	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	400	03:34	395	13:58	0.0	0.0	0.0	0.0
Gorakhpur	400	415	05:03	401	11:13	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	05:05	391	14:46	0.0	0.0	0.0	0.0
Dadri	400	414	05:11	389	14:46	0.0	0.8	0.0	0.0
Ballabgarh	400	420	05:02	392	14:46	0.0	0.0	0.0	0.0
Bawana	400	417	05:11	393	14:46	0.0	0.0	0.0	0.0
Bassi	400	426	05:02	402	14:12	0.0	0.0	18.9	0.0
Hissar	400	409	05:06	384	14:50	0.0	12.9	0.0	0.0
Moga	400	411	05:03	390	14:47	0.0	0.0	0.0	0.0
Abdullapur	400	408	05:05	396	14:16	0.0	0.0	0.0	0.0
Nalagarh	400	416	04:02	398	14:47	0.0	0.0	0.0	0.0
Kishenpur	400	414	05:02	398	19:48	0.0	0.0	0.0	0.0
Wagoora	400	406	05:08	376	20:52	6.3	21.5	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	769	00:00	740	00:00	0.0	0.0	0.0	0.0
Balia	765	769	05:04	740	14:16	0.0	3.2	0.0	0.0
Moga	765	789	05:06	747	14:47	0.0	0.0	0.0	0.0
Agra	765	781	05:04	735	14:47	0.0	6.3	0.0	0.0
Bhiwani	765	792	05:02	748	14:47	0.0	0.0	0.0	0.0
Unnao	765	761	05:05	721	15:16	10.3	44.9	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	488.45	690.35	487.06	644.48	981.38	965.24
Pong	426.72	384.05	406.16	379.44	401.03	244.95	284.16	254.00
Tehri	829.79	740.04	748.15	40.00	747.80	39.27	508.92	240.00
Koteshwar	612.50	598.50	609.97	4.44	610.02	4.69	240.00	246.00
Chamera-I	760.00	748.75	755.18	0.00	0.00	0.00	365.98	354.54
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	522.91	10.44	520.80	10.75	474.52	377.71

\* 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	958	175	0	921	83	0	24.08	3.58	27.66
Delhi	343	-113	-12	263	-66	-15	7.84	0.60	8.44
Haryana	1004	216	0	994	190	0	24.44	3.92	28.36
HP	-991	-417	0	-839	-364	0	-21.36	-7.64	-29.01
J&K	-439	175	0	-434	175	0	-11.04	-0.76	-11.80
CHD	0	0	0	0	0	0	0.24	0.00	0.24
Rajasthan	-383	475	2	-399	394	2	-8.70	12.91	4.21
UP	696	0	0	644	0	0	13.92	0.00	13.92
Uttarakhand	32	0	29	27	79	29	0.92	1.60	2.52
<b>Total</b>	<b>1221</b>	<b>510</b>	<b>19</b>	<b>1176</b>	<b>491</b>	<b>16</b>	<b>30.35</b>	<b>14.19</b>	<b>44.54</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1270	912	234	83	0	0
Delhi	507	201	349	-204	0	-15
Haryana	1099	991	221	-19	0	0
HP	-839	-991	-189	-522	0	0
J&K	-398	-599	224	-304	0	0
CHD	30	0	0	0	0	0
Rajasthan	-243	-403	709	178	2	2
UP	912	457	0	0	0	0
Uttarakhand	74	26	79	0	29	5

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 27.06.2015 :**

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 :**