

# 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 11.07.2015  
Date of Reporting : 12.07.2015

### 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
35840	1094	36934	50.02	33391	246	33637	50.06	808.0	13.29

\* 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	47.74	19.83		67.57	93.11	92.66	-0.45	160.23	0.00
Haryana	26.37	0.45		26.82	97.39	90.51	-6.88	117.34	0.00
Rajasthan	78.25	0.00	10.07	88.32	61.14	67.80	6.66	156.12	0.00
Delhi	18.43			18.43	62.75	59.78	-2.97	78.21	0.25
UP	100.13	6.74		106.88	97.21	95.29	-1.92	202.17	4.61
Uttarakhand		14.37		14.37	15.62	17.17	1.55	31.54	0.36
HP		22.81		22.81	0.15	1.30	1.15	24.11	0.00
J & K		15.48	0.00	15.48	18.60	18.59	-0.01	34.07	8.07
Chandigarh				0.00	4.78	4.23	0.27	4.23	0.00
<b>Total</b>	<b>270.92</b>	<b>79.70</b>	<b>10.07</b>	<b>360.69</b>	<b>450.74</b>	<b>447.32</b>	<b>-2.60</b>	<b>808.01</b>	<b>13.29</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	6308	0	-165	1130	6650	0	46	1240	7476
Haryana	4609	0	-440	1574	5015	0	-336	1599	5203
Rajasthan	6696	0	261	-170	6254	0	156	-461	7349
Delhi	3371	10	51	257	3495	0	-49	116	3864
UP	10109	570	424	602	8513	0	74	763	10109
Uttarakhand	1615	40	268	52	1066	0	7	-55	1615
HP	1035	0	49	-1296	843	0	117	-1415	1176
J&K	1896	474	264	-227	1392	246	-92	-313	1896
Chandigarh	202	0	2	0	162	0	-25	10	202
<b>Total</b>	<b>35840</b>	<b>1094</b>	<b>713</b>	<b>1923</b>	<b>33391</b>	<b>246</b>	<b>-102</b>	<b>1484</b>	<b>36346</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	1460	1585	1158	1374	32.97	1374	29.18	3.78
	Rihand I STPS (2*500)	1000	825	894	674	18.37	766	16.18	2.19	
	Rihand II STPS (2*500)	1000	943	890	719	20.32	847	18.44	1.88	
	Rihand III STPS (2*500)	1000	472	485	351	9.91	413	9.02	0.89	
	Dadri I STPS (4*210)	840	810	310	294	9.41	392	8.66	0.75	
	Dadri II STPS (2*490)	980	975	677	684	17.75	740	17.82	-0.07	
	Unchahar I TPS (2*210)	420	402	335	290	7.79	325	7.40	0.39	
	Unchahar II TPS (2*210)	420	200	134	155	3.57	149	3.54	0.03	
	Unchahar III TPS (1*220)	210	200	179	122	3.56	148	3.54	0.02	
	ISTPP (Jhajhar) (3*500)	1500	1500	621	639	14.18	591	14.40	-0.22	
	Dadri GPS (4*130.19+2*154.51)	830	803	379	236	8.43	351	8.44	-0.01	
	Anta GPS (3*88.71+1*153.2)	419	386	-2	-1	0.00	0	0.00	0.00	
	Auraiya GPS (4*111.19+2*109.30)	663	637	160	142	3.72	155	3.68	0.03	
	Dadri Solar	5	0	0	0	0.00	0	0.01	0.00	
	Unchahar Solar	10	3	0	0	0.01	0	0.06	-0.06	
	Singrauli Solar	15	3	0	0	0.00	0	0.07	-0.07	
	KHEP	800	0	605	601	14.27	594	0.00	14.27	
<b>Sub Total (A)</b>	<b>12112</b>	<b>9619</b>	<b>7253</b>	<b>6064</b>	<b>164</b>	<b>6844</b>	<b>140</b>	<b>24</b>		
B. NPC	NAPS (2*220)	440	373	373	373	8.95	373	8.95	0.00	
	RAPS- B (2*220)	440	380	430	429	9.21	384	9.12	0.09	
	RAPS- C (2*220)	440	400	434	435	9.38	391	9.60	-0.23	
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1153</b>	<b>1237</b>	<b>1237</b>	<b>27.53</b>	<b>1147</b>	<b>27.67</b>	<b>-0.14</b>	
C. NHPC	Chamera I HPS (3*180)	540	535	549	543	13.01	542	12.84	0.17	
	Chamera II HPS (3*100)	300	300	303	303	7.21	301	7.20	0.02	
	Chamera III HPS (3*77)	231	229	236	233	5.56	232	5.50	0.06	
	Bairasuil HPS(3*60)	180	179	187	186	3.82	159	3.66	0.16	
	Salal-HPS (6*115)	690	640	662	650	15.62	651	15.38	0.24	
	Tanakpur-HPS (3*40)	94	61	0	82	1.46	61	1.50	-0.04	
	Uri-I HPS (4*120)	480	438	467	449	10.79	450	10.54	0.25	
	Uri-II HPS (4*60)	240	119	61	122	2.75	114	2.87	-0.12	
	Dhauliganga-HPS (4*70)	280	131	0	216	3.22	134	3.27	-0.04	
	Dulhasti-HPS (3*130)	390	386	395	395	9.35	389	9.26	0.08	
	Sewa-II HPS (3*40)	120	119	128	128	3.06	127	2.86	0.20	
	Parbati 3 (4*130)	520	103	278	132	1.83	76	1.69	0.14	
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3242</b>	<b>3265</b>	<b>3438</b>	<b>78</b>	<b>3237</b>	<b>77</b>	<b>1</b>	
	D. SJVNL	NJPC (6*250)	1500	695	1637	0	17.07	711	18.08	-1.01
Rampur HEP (6*68.67)		412	172	375	0	3.93	164	3.92	0.01	
<b>Sub Total (D)</b>		<b>1912</b>	<b>867</b>	<b>2012</b>	<b>0</b>	<b>21.00</b>	<b>875</b>	<b>22.01</b>	<b>-1.01</b>	
E. THDC	Tehri HPS (4*250)	1000	636	648	308	9.70	404	9.50	0.20	
	Koteshwar HPS (4*100)	400	212	301	203	5.20	217	5.10	0.10	
	<b>Sub Total (E)</b>	<b>1400</b>	<b>848</b>	<b>949</b>	<b>511</b>	<b>14.90</b>	<b>621</b>	<b>14.60</b>	<b>0.30</b>	
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	893	1317	681	21.63	901	21.44	0.19	
	Dehar HPS (6*165)	990	612	660	560	14.58	608	14.69	-0.11	
	Pong HPS (6*66)	396	78	192	66	1.91	80	1.87	0.04	
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1583</b>	<b>2169</b>	<b>1307</b>	<b>38.13</b>	<b>1589</b>	<b>38.00</b>	<b>0.12</b>	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	231	230	5.50	229	5.36	0.14	
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1200	0	13.77	574	15.18	-1.40	
	Malana Stg-II HPS (2*50)	100	0	112	112	2.65	110	2.49	0.15	
	Shree Cement TPS (2*150)	300	0	286	297	6.95	289	7.13	-0.19	
	Budhil HPS(IPP) (2*35)	70	0	74	72	1.34	56	1.68	-0.34	
	Sub Total (G)	1662	0	1903	711	30.20	1258	31.83	-1.63	
	<b>H. Total Regional Entities (A-G)</b>	<b>25372</b>	<b>17313</b>	<b>18787</b>	<b>13268</b>	<b>373.71</b>	<b>15571</b>	<b>351.13</b>	<b>22.58</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	530	10.06	419
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	80	80	1.71	71
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	390	801	13.01	542
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	714	709	16.00	667
	Talwandi Saboo (1*660)	660	326	306	6.95	290
	<b>Thermal (Total)</b>	<b>4700</b>	<b>1880</b>	<b>2426</b>	<b>47.74</b>	<b>1989</b>
	Total Hydro	1000	785	872	19.83	826
	<b>Total Punjab</b>	<b>5700</b>	<b>2665</b>	<b>3298</b>	<b>67.57</b>	<b>2815</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	0	0	0.00	0
Faridabad GPS (NTPC)		432	326	300	7.57	315
RGTTP (Khedar) (IPP) (2*600)		1200	0	377	4.43	185
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	382	740	14.37	599
<b>Thermal (Total)</b>		<b>4944</b>	<b>708</b>	<b>1417</b>	<b>26.37</b>	<b>1099</b>
Total Hydro		62	26	0	0.45	19
<b>Total Haryana</b>		<b>5006</b>	<b>734</b>	<b>1417</b>	<b>26.82</b>	<b>1118</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	633	599	14.68
	suratgarh TPS (6*250)	1500	448	451	10.63	443
	Chabra TPS (4*250)	1000	437	287	8.22	342
	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	183	189	4.80	200
	RAPS A (NPC) (1*100+1*200)	300	145	146	3.42	143
	Barsingar (NLC) (2*125)	250	98	74	2.22	93
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	954	958	22.71	946
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	382	254	9.74	406
	Kawai(Adani) (2*660)	1320	129	0	1.85	77
	<b>Thermal (Total)</b>	<b>8276</b>	<b>3409</b>	<b>2958</b>	<b>78</b>	<b>3260</b>
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	112	1091	7.40	308
	Biomass	99	20	20	0.48	20
	Solar	730	0	0	2.18	91
	Renewable/Others (Total)	4043	132	1111	10.07	420
	<b>Total Rajasthan</b>	<b>12869</b>	<b>3541</b>	<b>4069</b>	<b>88.32</b>	<b>3680</b>
UP	Anpara TPS (3*210+2*500)	1630	1120	1040	25.00	1042
	Obra TPS (2*50+2*94+5*200)	1194	416	401	9.80	408
	Paricha TPS (2*110+2*220+2*250)	1140	556	738	12.20	508
	Panki TPS (2*105)	210	122	126	2.90	121
	Harduaganj TPS (1*60+1*105+2*250)	665	428	349	8.30	346
	Tanda TPS (NTPC) (4*110)	440	269	269	6.91	288
	Roza TPS (IPP) (4*300)	1200	572	572	13.88	578
	Anpara-C (IPP) (2*600)	1200	783	657	16.27	678
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	86	86	1.98	82
	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>4352</b>	<b>4238</b>	<b>97</b>	<b>4051</b>
	Vishnuparyag HPS (IPP)(including Alakanada)	730	189	210	5.82	242
	Other Hydro	527	206	0	0.93	39
	Cogeneration	981	120	120	2.90	121
	<b>Total UP</b>	<b>11527</b>	<b>4867</b>	<b>4568</b>	<b>106.88</b>	<b>4211</b>
Uttarakhand	Total Hydro	1398	631	559	14.37	599
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>631</b>	<b>559</b>	<b>14.37</b>	<b>599</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.19	-8
	Delhi Gas Turbine (6x30 + 3x34)	282	36	36	0.84	35
	Pragati Gas Turbine (2x104+ 1x122)	330	142	270	4.67	194
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	0	268	3.82	159
	Badarpur TPS (NTPC) (3*95+2*210)	705	377	397	9.29	387
	<b>Thermal (Total)</b>	<b>2917</b>	<b>555</b>	<b>971</b>	<b>18.43</b>	<b>768</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>555</b>	<b>971</b>	<b>18.43</b>	<b>768</b>
HP	Baspa HPS (IPP) (2*100)	300	332	302	7.57	315
	Malana HPS (IPP) (2*43)	86	97	97	2.33	97
	Other Hydro	878	546	507	12.91	538
	<b>Total HP</b>	<b>1264</b>	<b>975</b>	<b>906</b>	<b>22.81</b>	<b>951</b>
J & K	Baglihar HPS (IPP) (3*150)	450	450	450	10.80	450
	Other Hydro/IPP	560	191	192	4.68	195
	Gas/Diesel/Others	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1200</b>	<b>641</b>	<b>642</b>	<b>15.48</b>	<b>645</b>
<b>Total State Control Area Generation</b>		<b>41881</b>	<b>14609</b>	<b>16430</b>	<b>360.69</b>	<b>14786</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>4932.23</b>	<b>4998.75</b>	<b>110.17</b>	<b>4591</b>
<b>Total Regional Availability(Gross)</b>		<b>67253</b>	<b>38329</b>	<b>34697</b>	<b>844.57</b>	<b>34948</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	12369	10542	6199	187.89	7829
State Control Area Hydro	5811	3264	2979	79.70	3078
<b>Total Regional Hydro</b>	<b>18180</b>	<b>13806</b>	<b>9178</b>	<b>267.59</b>	<b>10907</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	100	500	100	2.23	0.82	1.42
Gwalior-Agra (D/C)	1801	1544	1912	0	31.53	0.00	31.53
Zerda-Kankroli	-104	-276	0	336	0.00	4.55	-4.55
Zerda-Bhinmal	-63	-270	64	341	0.00	3.05	-3.05
Malanpur-Auraiya	-14	-44	0	81	0.00	0.97	-0.97
Badod-Kota/Morak	26	-41	46	48	0.19	0.00	0.19
Mundra-Mohinderqarh(HVDC)	2002	2198	2505	0	49.55	0.00	49.55
Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
<b>Sub Total WR</b>	<b>3548</b>	<b>3211</b>			<b>83.51</b>	<b>9.39</b>	<b>74.12</b>
Pusauli Bypass	300	300	300	0	7.14	0.00	7.14
MZP- GKP (D/C)	250	426	550	0	8.23	0.00	8.23
Patna-Balia(D/C)	254	284	357	0	5.50	0.00	5.50
B'Sharif-Balia (D/C)	77	215	268	0	3.09	0.00	3.09
Pusauli-Balia	78	46	104	42	0.49	0.00	0.49
Gaya-Fatehpur (765 Kv)	103	153	267	0	3.68	0.00	3.68
Pusauli-Sahupuri	153	112	153	0	2.46	0.00	2.46
K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
Son Ngr-Rihand	-40	-14	0	40	0.00	0.59	-0.59
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 Kv)	-30	85	186	89	1.67	0.00	1.67
Barh -GKP (D/C)	240	181	240	0	3.90	0.00	3.90
<b>Sub Total ER</b>	<b>1384</b>	<b>1788</b>			<b>36.65</b>	<b>0.59</b>	<b>36.05</b>
<b>Total IR Exch</b>	<b>4932</b>	<b>4999</b>			<b>120.15</b>	<b>9.98</b>	<b>110.17</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
23.13	3.87	27.00	9.13	8.22	0.00	-2.71	1.66	-1.66

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
37.79	77.94	115.73	36.05	74.12	110.17	-1.74	-3.82	-5.56

**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	-26	-21	0	36	0	1	-0.53

**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	1.32	16.02	62.54	71.16	10.19	2.70	0.00	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				
50.17	2.01	49.74	9.12	49.97	0.06	0.07	50.20	49.91

**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	410	03:45	401	00:29	0.0	0.0	0.0	0.0
Gorakhpur	400	415	01:57	404	19:25	0.0	0.0	8.3	0.0
Bareilly	400	418	08:00	396	20:00	0.0	0.0	4.7	0.0
Kanpur	400	420	02:00	403	19:45	0.0	0.0	0.0	0.0
Dadri	400	420	01:47	407	19:45	0.0	0.0	0.0	0.0
Ballabgarh	400	427	02:01	412	19:41	0.0	0.0	36.4	0.0
Bawana	400	423	01:58	410	19:47	0.0	0.0	11.9	0.0
Bassi	400	431	01:58	412	19:47	0.0	0.0	42.7	0.6
Hissar	400	421	01:59	406	12:17	0.0	0.0	0.3	0.0
Moga	400	416	03:58	406	10:42	0.0	0.0	0.0	0.0
Abdullapur	400	421	13:01	396	06:09	0.0	0.0	0.6	0.0
Nalagarh	400	421	04:00	409	10:42	0.0	0.0	1.3	0.0
Kishenpur	400	419	05:03	408	19:50	0.0	0.0	0.0	0.0
Wagoora	400	411	01:15	388	19:33	0.0	1.9	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	780	02:01	745	19:48	0.0	0.0	0.0	0.0
Balia	765	777	02:02	746	19:43	0.0	0.0	0.0	0.0
Moga	765	792	02:01	772	11:00	0.0	0.0	0.0	0.0
Agra	765	791	02:00	757	19:49	0.0	0.0	0.0	0.0
Bhiwani	765	801	01:42	774	15:02	0.0	0.0	16.8	0.0
Unnao	765	779	01:58	741	19:45	0.0	0.7	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	493.00	827.99	492.18	808.03	1681.79	738.02
Pong	426.72	384.05	407.35	407.15	400.48	230.85	1011.45	130.60
Tehri	829.79	740.04	762.90	145.79	756.35	91.11	1063.30	296.00
Koteshwar	612.50	598.50	610.46	4.69	611.27	5.20	296.00	342.89
Chamera-I	760.00	748.75	753.89	0.00	0.00	0.00	526.93	352.51
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	523.83	10.75	520.05	11.04	558.75	419.80

\* 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	781	459	0	936	193	0	20.33	8.93	29.26
Delhi	258	-140	-2	453	-168	-28	9.11	-4.48	4.63
Haryana	1382	217	0	1357	218	0	32.57	2.66	35.23
HP	-1108	-307	0	-905	-390	0	-23.35	-7.80	-31.15
J&K	-535	222	0	-434	207	0	-11.53	-0.53	-12.06
CHD	0	10	0	0	0	0	0.24	0.11	0.35
Rajasthan	-489	25	2	-489	316	2	-11.74	10.50	-1.23
UP	763	0	0	602	0	0	13.47	0.00	13.47
Uttarakhand	-55	0	0	-61	88	25	-1.49	0.90	-0.59
<b>Total</b>	<b>997</b>	<b>487</b>	<b>0</b>	<b>1460</b>	<b>464</b>	<b>-1</b>	<b>27.60</b>	<b>10.30</b>	<b>37.90</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1045	646	482	193	0	0
Delhi	662	64	-39	-370	-2	-28
Haryana	1404	1288	258	-464	0	0
HP	-905	-1108	-274	-517	0	0
J&K	-434	-636	271	-304	0	0
CHD	30	0	25	0	0	0
Rajasthan	-489	-490	611	-108	2	2
UP	780	362	0	0	0	0
Uttarakhand	-55	-95	88	0	25	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 11.07.2015 :**

Rain in most part of NR.

**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 :**