

# 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 14.07.2015  
Date of Reporting : 15.07.2015

### 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
42183	2806	44990	50.00	36905	2326	39231	50.06	940.8	55.92

\* 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	35.87	17.82		53.69	114.91	114.36	-0.54	168.05	0.00
Haryana	10.73	0.61		11.33	123.25	121.67	-1.59	133.00	0.03
Rajasthan	88.30	0.00	30.02	118.31	52.66	53.24	0.58	171.56	0.00
Delhi	17.83			17.83	78.92	77.88	-1.04	95.72	0.01
UP	119.20	11.20		130.40	133.97	134.48	0.51	264.88	46.77
Uttarakhand		24.11		24.11	14.63	14.40	-0.23	38.51	0.11
HP		24.38		24.38	0.20	1.45	1.25	25.82	0.09
J & K		15.48	0.00	15.48	20.54	22.30	1.75	37.78	8.91
Chandigarh				0.00	5.42	5.50	0.27	5.50	0.00
<b>Total</b>	<b>271.93</b>	<b>93.60</b>	<b>30.02</b>	<b>395.54</b>	<b>544.51</b>	<b>545.28</b>	<b>0.97</b>	<b>940.82</b>	<b>55.92</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	8020	0	62	1117	5717	0	24	1556	8020
Haryana	6429	53	-66	1586	5171	0	-118	1459	7053
Rajasthan	7003	0	-21	-181	6863	0	-18	-569	8139
Delhi	4249	0	-92	416	3590	0	50	88	4782
UP	11384	2240	61	602	11465	2050	326	844	11654
Uttarakhand	1868	40	188	67	1476	0	-37	-55	1868
HP	1081	0	102	-1271	887	0	84	-1440	1244
J&K	1893	473	131	-247	1566	276	136	-334	1896
Chandigarh	257	0	-2	-30	169	0	14	-30	280
<b>Total</b>	<b>42183</b>	<b>2806</b>	<b>362</b>	<b>2060</b>	<b>36905</b>	<b>2326</b>	<b>461</b>	<b>1519</b>	<b>43642</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	1718	1893	1888	44.97	1874	41.20	3.77
	Rihand I STPS (2*500)	1000	850	887	929	21.63	901	19.69	1.93
	Rihand II STPS (2*500)	1000	943	938	1025	22.88	953	20.86	2.02
	Rihand III STPS (2*500)	1000	770	1015	510	17.61	734	16.11	1.50
	Dadri I STPS (4*210)	840	800	370	368	9.22	384	8.75	0.48
	Dadri II STPS (2*490)	980	975	808	723	19.28	803	18.94	0.34
	Unchahar I TPS (2*210)	420	402	411	395	9.38	391	9.09	0.30
	Unchahar II TPS (2*210)	420	199	187	191	4.57	190	4.34	0.22
	Unchahar III TPS (1*220)	210	200	208	193	4.61	192	4.36	0.25
	ISTPP (Jhajhar) (3*500)	1500	1500	473	394	9.80	408	10.39	-0.59
	Dadri GPS (4*130.19+2*154.51)	830	794	149	119	3.47	144	3.59	-0.13
	Anta GPS (3*88.71+1*153.2)	419	387	-1	-2	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	640	0	0	0.00	0	0.00	0.00
	Dadri Solar	5	1	0	0	0.03	1	0.03	0.00
	Unchahar Solar	10	3	0	0	0.03	1	0.06	-0.03
	Singrauli Solar	15	3	0	0	0.07	3	0.07	0.00
	KHEP	800	0	807	808	19.46	811	0.00	19.46
<b>Sub Total (A)</b>	<b>12112</b>	<b>10184</b>	<b>8145</b>	<b>7541</b>	<b>187</b>	<b>7792</b>	<b>157</b>	<b>30</b>	
B. NPC	NAPS (2*220)	440	385	404	416	8.85	369	9.24	-0.39
	RAPS- B (2*220)	440	384	215	221	4.31	180	9.22	-4.91
	RAPS- C (2*220)	440	398	431	433	9.27	386	9.55	-0.28
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1167</b>	<b>1050</b>	<b>1070</b>	<b>22.43</b>	<b>935</b>	<b>28.01</b>	<b>-5.57</b>
C. NHPC	Chamera I HPS (3*180)	540	535	549	545	13.09	546	12.84	0.26
	Chamera II HPS (3*100)	300	300	306	303	7.28	303	7.20	0.08
	Chamera III HPS (3*77)	231	229	233	231	5.53	230	5.50	0.03
	Bairasuil HPS(3*60)	180	179	185	63	2.92	122	2.73	0.19
	Salal-HPS (6*115)	690	632	670	638	15.62	651	15.19	0.43
	Tanakpur-HPS (3*40)	94	92	95	93	2.25	94	2.21	0.04
	Uri-I HPS (4*120)	480	475	473	472	11.52	480	11.40	0.12
	Uri-II HPS (4*60)	240	180	181	184	4.36	182	4.32	0.04
	Dhauliganga-HPS (4*70)	280	280	280	284	6.61	275	6.72	-0.11
	Dulhasti-HPS (3*130)	390	386	400	394	9.35	390	9.26	0.09
	Sewa-II HPS (3*40)	120	119	130	129	3.06	128	2.86	0.20
	Parbati 3 (4*130)	520	390	393	392	7.13	297	7.08	0.05
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3798</b>	<b>3894</b>	<b>3728</b>	<b>89</b>	<b>3697</b>	<b>87</b>	<b>1</b>
	D. SJVNL	NJPC (6*250)	1500	1605	1627	1624	38.79	1616	38.47
Rampur HEP (6*68.67)		412	375	375	375	9.01	375	9.00	0.01
<b>Sub Total (D)</b>		<b>1912</b>	<b>1980</b>	<b>2002</b>	<b>1999</b>	<b>47.79</b>	<b>1991</b>	<b>47.47</b>	<b>0.33</b>
E. THDC	Tehri HPS (4*250)	1000	704	704	0	9.94	414	9.80	0.14
	Koteshwar HPS (4*100)	400	184	220	91	4.48	186	4.40	0.08
	<b>Sub Total (E)</b>	<b>1400</b>	<b>888</b>	<b>924</b>	<b>91</b>	<b>14.42</b>	<b>601</b>	<b>14.20</b>	<b>0.22</b>
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	893	1350	635	21.97	916	21.44	0.54
	Dehar HPS (6*165)	990	611	660	580	14.56	607	14.67	-0.11
	Pong HPS (6*66)	396	31	66	0	0.78	33	0.75	0.03
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1536</b>	<b>2076</b>	<b>1215</b>	<b>37.32</b>	<b>1555</b>	<b>36.86</b>	<b>0.46</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	231	231	5.51	229	5.36	0.14
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1200	1200	28.72	1196	28.54	0.18
	Malana Stg-II HPS (2*50)	100	0	112	112	2.64	110	2.49	0.15
	Shree Cement TPS (2*150)	300	0	146	147	3.44	143	3.42	0.02
	Budhil HPS(IPP) (2*35)	70	0	74	73	1.75	73	1.67	0.08
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1762</b>	<b>1763</b>	<b>42.05</b>	<b>1752</b>	<b>41.49</b>	<b>0.57</b>
<b>H. Total Regional Entities (A-G)</b>	<b>25372</b>	<b>19553</b>	<b>19853</b>	<b>17407</b>	<b>439.74</b>	<b>18323</b>	<b>412.81</b>	<b>26.93</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	325	160	5.09	212
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	95	80	2.05	85
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	425	204	6.18	257
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1396	365	22.55	940
	Talwandi Saboo (1*660)	660	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>4700</b>	<b>2241</b>	<b>809</b>	<b>35.87</b>	<b>1495</b>
	Total Hydro	1000	747	735	17.82	743
	<b>Total Punjab</b>	<b>5700</b>	<b>2988</b>	<b>1544</b>	<b>53.69</b>	<b>2237</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	0	0	0.00	0
RGTPP (Khedar) (IPP) (2*600)		1200	26	0	1.20	50
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	717	0	9.53	397
<b>Thermal (Total)</b>		<b>4944</b>	<b>743</b>	<b>0</b>	<b>10.73</b>	<b>447</b>
Total Hydro		62	24	26	0.61	25
<b>Total Haryana</b>		<b>5006</b>	<b>767</b>	<b>26</b>	<b>11.33</b>	<b>472</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	607	603	14.79
	suratgarh TPS (6*250)	1500	397	395	9.49	395
	Chabra TPS (4*250)	1000	174	188	4.48	187
	Dholpur GPS (3*110)	330	0	9	0.13	5
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	193	195	4.80	200
	RAPS A (NPC) (1*100+1*200)	300	146	148	3.42	143
	Barsingar (NLC) (2*125)	250	169	172	3.88	162
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	709	730	16.58	691
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	0	475	8.45	352
	Kawai(Adani) (2*660)	1320	864	1060	22.28	928
	<b>Thermal (Total)</b>	<b>8276</b>	<b>3259</b>	<b>3975</b>	<b>88</b>	<b>3679</b>
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	1285	998	29.18	1216
	Biomass	99	23	23	0.55	23
	Solar	730	1	0	0.29	12
	Renewable/Others (Total)	4043	1309	1021	30.02	1251
	<b>Total Rajasthan</b>	<b>12869</b>	<b>4568</b>	<b>4996</b>	<b>118.31</b>	<b>4930</b>
	UP	Anpara TPS (3*210+2*500)	1630	1036	1193	26.40
Obra TPS (2*50+2*94+5*200)		1194	345	301	6.50	271
Paricha TPS (2*110+2*220+2*250)		1140	739	666	16.60	692
Panki TPS (2*105)		210	113	108	2.70	113
Harduaganj TPS (1*60+1*105+2*250)		665	502	496	11.90	496
Tanda TPS (NTPC) (4*110)		440	365	360	8.90	371
Roza TPS (IPP) (4*300)		1200	734	476	14.80	617
Anpara-C (IPP) (2*600)		1200	162	972	19.90	829
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	162	160	4.00	167
Anpara-D(1*500)		500	0	0	0.00	0
Lalitpur TPS(1*660)		660	270	203	4.60	192
<b>Thermal (Total)</b>		<b>9289</b>	<b>4428</b>	<b>4935</b>	<b>116</b>	<b>4846</b>
Vishnuparyag HPS (IPP)(including Alakanada)		730	246	225	5.80	242
Other Hydro		527	309	279	5.40	225
Cogeneration		981	120	120	2.90	121
<b>Total UP</b>		<b>11527</b>	<b>5103</b>	<b>5559</b>	<b>130.40</b>	<b>5192</b>
Uttarakhand		Total Hydro	1398	989	1025	24.11
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>989</b>	<b>1025</b>	<b>24.11</b>	<b>1005</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.14	-6
	Delhi Gas Turbine (6x30 + 3x34)	282	69	70	1.63	68
	Pragati Gas Turbine (2x104+ 1x122)	330	145	146	3.49	146
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	224	-7	4.29	179
	Badarpur TPS (NTPC) (3*95+2*210)	705	409	390	8.55	356
	<b>Thermal (Total)</b>	<b>2917</b>	<b>846</b>	<b>598</b>	<b>17.83</b>	<b>743</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>846</b>	<b>598</b>	<b>17.83</b>	<b>743</b>
HP	Baspa HPS (IPP) (2*100)	300	331	331	7.82	326
	Malana HPS (IPP) (2*43)	86	98	98	2.34	98
	Other Hydro	878	584	600	14.21	592
	<b>Total HP</b>	<b>1264</b>	<b>1013</b>	<b>1029</b>	<b>24.38</b>	<b>1016</b>
J & K	Baqilhar HPS (IPP) (3*150)	450	450	450	10.80	450
	Other Hydro/IPP	560	199	192	4.68	195
	Gas/Diesel/Others	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1200</b>	<b>649</b>	<b>642</b>	<b>15.48</b>	<b>645</b>
<b>Total State Control Area Generation</b>		<b>41881</b>	<b>16923</b>	<b>15419</b>	<b>395.54</b>	<b>16239</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>7303</b>	<b>6035</b>	<b>150.04</b>	<b>6252</b>
<b>Total Regional Availability(Gross)</b>		<b>67253</b>	<b>44079</b>	<b>38861</b>	<b>985.32</b>	<b>40813</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	12369	11246	9384	244.58	10191
State Control Area Hydro	5811	3731	3736	93.60	3658
<b>Total Regional Hydro</b>	<b>18180</b>	<b>14977</b>	<b>13120</b>	<b>338.18</b>	<b>13849</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	300	100	1.59	0.55	1.04
Gwalior-Agra (D/C)	2344	2157	2480	0	50.68	0.00	50.68
Zerda-Kankroli	-80	-125	0	310	0.00	4.55	-4.55
Zerda-Bhinmal	-97	-103	0	270	0.00	3.96	-3.96
Malanpur-Auraiya	0	0	0	0	0.00	0.00	0.00
Badod-Kota/Morak	76	23	58	6	0.00	1.23	-1.23
Mundra-Mohinderqarh(HVDC)	2496	2297	2506	0	57.04	0.00	57.04
Vindhychal - Rihand	495	497	505	0	11.60	0.00	11.60
<b>Sub Total WR</b>	<b>5284</b>	<b>4696</b>			<b>120.90</b>	<b>10.28</b>	<b>110.62</b>
Pusauli Bypass	300	300	300	0	7.31	0.00	7.31
MZP- GKP (D/C)	398	276	496	0	8.26	0.00	8.26
Patna-Balia(D/C)	301	240	492	0	6.83	0.00	6.83
B'Sharif-Balia (D/C)	76	89	154	0	1.95	0.00	1.95
Pusauli-Balia	128	64	165	0	1.08	0.00	1.08
Gaya-Fatehpur (765 Kv)	281	84	322	0	4.33	0.00	4.33
Pusauli-Sahupuri	149	128	245	0	3.70	0.00	3.70
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
Son Ngr-Rihand	-40	-44	0	44	0.00	0.88	-0.88
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	125	-29	153	85	1.00	0.00	1.00
Barh -GKP (D/C)	301	231	350	0	5.83	0.00	5.83
<b>Sub Total ER</b>	<b>2019</b>	<b>1339</b>			<b>40.29</b>	<b>0.88</b>	<b>39.42</b>
<b>Total IR Exch</b>	<b>7303</b>	<b>6035</b>			<b>161.19</b>	<b>11.16</b>	<b>150.04</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
30.13	3.88	34.01	9.76	8.61	2.87	-2.43	1.66	-1.66
<b>Total IR Schedule (MU)</b>			<b>Total IR Actual (MU)</b>			<b>Net IR UI (MU)</b>		
Through ER	Through WR	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
48.30	102.45	150.75	39.42	110.62	150.04	-8.88	8.17	-0.71

**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	-24	-30	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	0.36	7.77	29.85	68.82	60.56	7.52	1.89	0.20	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					
50.23	18.04	49.64	14.39	49.95	0.11	0.09	50.21	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	404	06:30	398	15:37	0.0	0.0	0.0	0.0
Gorakhpur	400	415	06:33	399	14:37	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	413	08:03	394	14:52	0.0	0.0	0.0	0.0
Dadri	400	415	02:00	393	14:52	0.0	0.0	0.0	0.0
Ballabgarh	400	422	05:06	397	14:49	0.0	0.0	1.5	0.0
Bawana	400	422	06:02	396	14:52	0.0	0.0	0.6	0.0
Bassi	400	430	03:32	404	11:47	0.0	0.0	31.0	0.0
Hissar	400	415	03:30	390	14:37	0.0	0.0	0.0	0.0
Moga	400	413	03:32	391	14:50	0.0	0.0	0.0	0.0
Abdullapur	400	419	06:01	396	14:38	0.0	0.0	0.0	0.0
Nalagarh	400	415	03:25	395	14:48	0.0	0.0	0.0	0.0
Kishenpur	400	416	05:03	401	19:44	0.0	0.0	0.0	0.0
Wagoora	400	407	06:08	391	03:17	0.0	0.0	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	769	08:03	737	12:14	0.0	1.4	0.0	0.0
Balia	765	768	06:34	739	14:38	0.0	2.6	0.0	0.0
Moga	765	794	05:07	750	14:52	0.0	0.0	0.0	0.0
Agra	765	781	05:07	744	11:19	0.0	0.0	0.0	0.0
Bhiwani	765	800	05:06	757	14:23	0.0	0.0	0.0	0.0
Unnao	765	754	18:02	726	11:19	0.6	62.7	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	494.84	891.94	493.74	858.11	1653.11	726.64
Pong	426.72	384.05	408.48	444.61	400.80	237.89	726.16	58.81
Tehri	829.79	740.04	768.10	190.00	760.00	120.00	585.24	294.00
Koteshwar	612.50	598.50	610.94	4.95	611.35	5.30	294.00	294.85
Chamera-I	760.00	748.75	757.16	0.00	0.00	0.00	572.80	354.66
Rihand	268.22	252.98	845.60	189.70	836.80	78.60	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	523.38	10.77	519.41	11.45	639.15	418.68

\* 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	1107	449	0	939	178	0	25.69	7.84	33.52
Delhi	258	-167	-2	464	-20	-28	9.64	-1.08	8.56
Haryana	1327	132	0	1361	225	0	32.48	3.05	35.53
HP	-1109	-331	0	-906	-364	0	-23.37	-8.25	-31.62
J&K	-535	202	0	-434	187	0	-11.49	-0.90	-12.39
CHD	0	-30	0	0	-30	0	0.24	-0.32	-0.08
Rajasthan	-489	-82	2	-489	306	2	-11.74	9.14	-2.61
UP	844	0	0	602	0	0	14.30	0.00	14.30
Uttarakhand	-55	0	0	-55	98	25	-1.33	1.08	-0.25
<b>Total</b>	<b>1347</b>	<b>172</b>	<b>0</b>	<b>1481</b>	<b>580</b>	<b>-1</b>	<b>34.41</b>	<b>10.56</b>	<b>44.97</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1255	939	450	178	0	0
Delhi	786	75	311	-422	0	-28
Haryana	1402	1313	249	-150	0	0
HP	-906	-1109	-281	-542	0	0
J&K	-434	-636	251	-324	0	0
CHD	30	0	0	-30	0	0
Rajasthan	-489	-490	619	-236	2	0
UP	854	451	0	0	0	0
Uttarakhand	-55	-55	98	0	25	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 14.07.2015 :**

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 :**