

# पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरलिड की पूर्ण स्वामित्व प्राप्त महायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

**Power Supply Position in Northern Region for 24.07.2015**  
Date of Reporting : 25.07.2015

### I. Regional Availability/Demand:

Demand Met	Evening Peak (20:00 Hrs) MW			Off Peak (03:00 Hrs) MW			Day Energy (Net MU)		
	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
44635	2431	47066	50.10	42668	2104	44773	50.12	1039.5	58.25

\* 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	77.36	19.80		97.15	120.26	120.63	0.37	217.78	0.00
Haryana	47.76	0.66		48.41	124.64	123.10	-1.54	171.51	0.00
Rajasthan	97.74	0.09	5.44	103.27	55.34	57.80	2.46	161.06	0.00
Delhi	19.48			19.48	89.06	87.84	-1.22	107.32	0.09
UP	122.80	11.70		134.50	140.10	142.05	1.95	276.55	49.08
Uttarakhand		22.11		22.11	15.17	16.71	1.54	38.82	0.77
HP		23.16		23.16	1.67	2.25	0.58	25.40	0.00
J & K		15.04	0.00	15.04	19.91	20.02	0.10	35.06	8.32
Chandigarh				0.00	6.20	6.02	0.27	6.02	0.00
<b>Total</b>	<b>365.14</b>	<b>92.55</b>	<b>5.44</b>	<b>463.12</b>	<b>572.34</b>	<b>576.40</b>	<b>4.51</b>	<b>1039.53</b>	<b>58.25</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	9283	0	-32	1009	8648	0	-88	1276	9919
Haryana	7931	0	-151	1762	7256	0	-106	1615	8233
Rajasthan	6554	0	266	-73	6438	0	67	-33	7238
Delhi	4493	0	-157	415	4487	0	100	448	5229
UP	11499	1925	55	662	12065	1900	65	873	12400
Uttarakhand	1813	75	167	40	1504	0	65	-57	1813
HP	1068	0	10	-1330	903	0	13	-1506	1213
J&K	1725	431	101	-445	1158	204	-37	-732	1848
Chandigarh	269	0	-4	0	210	0	-8	-15	298
<b>Total</b>	<b>44635</b>	<b>2431</b>	<b>255</b>	<b>2041</b>	<b>42668</b>	<b>2104</b>	<b>71</b>	<b>1867</b>	<b>46083</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 1.05

### III. Regional Entities :

Entity	Station/ Constituent	Inst. Capacity	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI Net MU
		(Effective) MW							
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1802	1897	1844	46.48	1937	42.56	3.92
	Rihand I STPS (2*500)	1000	882	972	926	22.11	921	20.08	2.03
	Rihand II STPS (2*500)	1000	360	400	351	9.16	382	8.07	1.09
	Rihand III STPS (2*500)	1000	953	1011	810	22.00	917	20.27	1.73
	Dadri I STPS (4*210)	840	800	628	600	15.83	660	15.05	0.78
	Dadri II STPS (2*490)	980	976	740	673	17.88	745	18.25	-0.37
	Unchahar I TPS (2*210)	420	400	419	286	8.82	368	8.27	0.55
	Unchahar II TPS (2*210)	420	200	214	146	4.32	180	4.02	0.30
	Unchahar III TPS (1*220)	210	200	193	144	4.22	176	3.92	0.30
	ISTPP (Jhajjar) (3*500)	1500	1475	941	615	14.42	601	15.56	-1.14
	Dadri GPS (4*130.19+2*154.51)	830	800	245	244	5.86	244	5.94	-0.09
	Anta GPS (3*88.71+1*153.2)	419	396	-2	-1	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	638	0	0	0.00	0	0.00	0.00
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	3	0	0	0.02	1	0.06	-0.05
	Singrauli Solar	15	3	0	0	0.04	2	0.07	-0.03
	KHEP	800	0	821	819	19.99	833	19.40	0.59
	<b>Sub Total (A)</b>	<b>12112</b>	<b>9887</b>	<b>8479</b>	<b>7457</b>	<b>191</b>	<b>7965</b>	<b>182</b>	<b>10</b>
B. NPC	NAPS (2*220)	440	367	406	410	8.84	369	8.81	0.04
	RAPS- B (2*220)	440	241	208	436	4.88	203	5.79	-0.91
	RAPS- C (2*220)	440	385	424	416	9.15	381	9.24	-0.09
	<b>Sub Total (B)</b>	<b>1320</b>	<b>993</b>	<b>1038</b>	<b>1262</b>	<b>22.87</b>	<b>953</b>	<b>23.84</b>	<b>-0.97</b>
C. NHPC	Chamera I HPS (3*180)	540	537	547	543	13.07	545	12.89	0.19
	Chamera II HPS (3*100)	300	300	302	303	7.23	301	7.20	0.03
	Chamera III HPS (3*77)	231	229	235	232	5.59	233	5.50	0.09
	Bairasuil HPS(3*60)	180	179	186	183	4.35	181	4.30	0.06
	Salal-HPS (6*115)	690	640	664	667	15.79	658	15.37	0.42
	Tanakpur-HPS (3*40)	94	83	93	62	2.10	87	2.01	0.09
	Uri-I HPS (4*120)	480	475	470	470	11.50	479	11.40	0.10
	Uri-II HPS (4*60)	240	180	183	182	4.36	182	4.32	0.04
	Dhauliganga-HPS (4*70)	280	280	280	284	6.74	281	6.72	0.02
	Dulhasti-HPS (3*130)	390	294	395	393	6.94	289	7.02	-0.08
	Sewa-II HPS (3*40)	120	116	130	128	2.94	123	2.78	0.16
	Parbati 3 (4*130)	520	253	390	128	5.80	242	5.66	0.14
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3567</b>	<b>3874</b>	<b>3577</b>	<b>86</b>	<b>3600</b>	<b>85</b>	<b>1</b>
	D. SJVNL	NJPC (6*250)	1500	1605	1598	1625	38.73	1614	38.52
Rampur HEP (6*68.67)		412	442	439	440	10.65	444	10.61	0.04
<b>Sub Total (D)</b>		<b>1912</b>	<b>2047</b>	<b>2037</b>	<b>2065</b>	<b>49.38</b>	<b>2058</b>	<b>49.13</b>	<b>0.26</b>
E. THDC	Tehri HPS (4*250)	1000	703	840	416	12.15	506	12.00	0.15
	Koteshwar HPS (4*100)	400	199	397	90	4.87	203	4.80	0.07
	<b>Sub Total (E)</b>	<b>1400</b>	<b>902</b>	<b>1237</b>	<b>506</b>	<b>17.02</b>	<b>709</b>	<b>16.80</b>	<b>0.22</b>
F. BBMB	Bhakra HPS (3*108+2*126+5*157)	1361	1412	1455	1454	33.99	1416	33.89	0.10
	Dehar HPS (6*165)	990	594	660	660	14.64	610	14.26	0.38
	Pong HPS (6*66)	396	346	384	252	8.35	348	8.30	0.05
	<b>Sub Total (F)</b>	<b>2747</b>	<b>2352</b>	<b>2499</b>	<b>2366</b>	<b>56.98</b>	<b>2374</b>	<b>56.45</b>	<b>0.53</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	232	232	5.51	230	5.37	0.15
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1200	1200	28.77	1199	28.51	0.26
	Malana Stg-II HPS (2*50)	100	0	111	111	2.63	110	2.48	0.15
	Shree Cement TPS (2*150)	300	0	299	298	6.89	287	6.80	0.10
	Budhil HPS(IPP) (2*35)	70	0	71	74	1.73	72	1.68	0.06
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1913</b>	<b>1915</b>	<b>45.54</b>	<b>1898</b>	<b>44.83</b>	<b>0.72</b>
	<b>H. Total Regional Entities (A-G)</b>	<b>25219</b>	<b>19748</b>	<b>21078</b>	<b>19147</b>	<b>469.36</b>	<b>19557</b>	<b>457.77</b>	<b>11.60</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	920	850	20.23	843
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	80	80	1.85	77
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	916	519	17.22	717
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1310	1011	29.25	1219
	Talwandi Saboo (1*660)	660	343	334	8.82	367
	<b>Thermal (Total)</b>	<b>4700</b>	<b>3569</b>	<b>2794</b>	<b>77.36</b>	<b>3223</b>
	Total Hydro	1000	780	903	19.80	825
	<b>Total Punjab</b>	<b>5700</b>	<b>4349</b>	<b>3697</b>	<b>97.15</b>	<b>4048</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	616	610	14.56
DCRTPP (Yamuna nagar) (2*300)		600	463	447	11.37	474
Faridabad GPS (NTPC)		432	0	0	0.00	0
RGTPP (Khedar) (IPP) (2*600)		1200	429	379	10.55	440
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CL.P) (2*660)		1320	404	390	11.28	470
<b>Thermal (Total)</b>		<b>4944</b>	<b>1912</b>	<b>1826</b>	<b>47.76</b>	<b>1990</b>
Total Hydro		62	26	29	0.66	27
<b>Total Haryana</b>		<b>5006</b>	<b>1938</b>	<b>1855</b>	<b>48.41</b>	<b>2017</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	644	636	15.55
	suratgarh TPS (6*250)	1500	411	569	12.44	518
	Chabra TPS (4*250)	1000	247	468	7.15	298
	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	154	190	3.29	137
	RAPS A (NPC) (1*100+1*200)	300	159	151	3.45	144
	Barsingar (NLC) (2*125)	250	95	95	1.85	77
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	621	447	14.13	589
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	480	1001	18.08	754
	Kawai(Adani) (2*660)	1320	878	863	21.80	908
	<b>Thermal (Total)</b>	<b>8276</b>	<b>3689</b>	<b>4420</b>	<b>98</b>	<b>4073</b>
	Total Hydro	550	0	0	0.09	4
	Wind power	3214	282	21	3.04	127
	Biomass	99	22	22	0.53	22
	Solar	730	0	0	1.87	78
	Renewable/Others (Total)	4043	304	43	5.44	227
	<b>Total Rajasthan</b>	<b>12869</b>	<b>3993</b>	<b>4463</b>	<b>103.27</b>	<b>4303</b>
	UP	Anpara TPS (3*210+2*500)	1630	1232	1231	28.10
Obra TPS (2*50+2*94+5*200)		1194	328	308	7.60	317
Paricha TPS (2*110+2*220+2*250)		1140	752	797	16.90	704
Panki TPS (2*105)		210	113	117	2.70	113
Harduaganj TPS (1*60+1*105+2*250)		665	455	442	10.50	438
Tanda TPS (NTPC) (4*110)		440	360	365	8.90	371
Roza TPS (IPP) (4*300)		1200	549	645	13.10	546
Anpara-C (IPP) (2*600)		1200	900	1080	23.90	996
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	351	403	9.90	413
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>5040</b>	<b>5388</b>	<b>122</b>	<b>5067</b>
Vishnuparyag HPS (IPP)(including Alakanada)		730	255	264	6.00	250
Other Hydro		527	183	305	5.70	238
Cogeneration		981	50	50	1.20	50
<b>Total UP</b>		<b>11527</b>	<b>5528</b>	<b>6007</b>	<b>134.50</b>	<b>5354</b>
Uttarakhand	Total Hydro	1398	754	981	22.11	921
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>754</b>	<b>981</b>	<b>22.11</b>	<b>921</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.02	1
	Delhi Gas Turbine (6x30 + 3x34)	282	69	69	1.12	47
	Pragati Gas Turbine (2x104+ 1x122)	330	126	102	2.83	118
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	270	269	6.48	270
	Badarpur TPS (NTPC) (3*95+2*210)	705	393	392	9.03	376
	<b>Thermal (Total)</b>	<b>2917</b>	<b>858</b>	<b>832</b>	<b>19.48</b>	<b>812</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>858</b>	<b>832</b>	<b>19.48</b>	<b>812</b>
HP	Baspa HPS (IPP) (2*100)	300	303	323	7.62	317
	Malana HPS (IPP) (2*43)	86	97	96	2.31	96
	Other Hydro	878	605	551	13.23	551
	<b>Total HP</b>	<b>1264</b>	<b>1005</b>	<b>970</b>	<b>23.16</b>	<b>965</b>
J & K	Baglihar HPS (IPP) (3*150)	450	442	442	10.61	442
	Other Hydro/IPP	560	195	190	4.43	185
	Gas/Diesel/Others	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1200</b>	<b>637</b>	<b>632</b>	<b>15.04</b>	<b>627</b>
<b>Total State Control Area Generation</b>		<b>41881</b>	<b>19062</b>	<b>19437</b>	<b>463.12</b>	<b>19047</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>6871.82</b>	<b>5632</b>	<b>143.59</b>	<b>5983</b>
<b>Total Regional Availability(Gross)</b>		<b>67100</b>	<b>47011</b>	<b>44216</b>	<b>1076.08</b>	<b>44587</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	12216	12011	10875	266.70	11112
State Control Area Hydro	5811	3385	3820	92.55	3606
<b>Total Regional Hydro</b>	<b>18027</b>	<b>15396</b>	<b>14695</b>	<b>359.25</b>	<b>14719</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	250	50	2.27	0.14	2.14
Gwalior-Agra (D/C)	2239	1441	2239	0	38.09	0.00	38.09
Zerda-Kankroli	0	-187	0	217	0.00	3.18	-3.18
Zerda-Bhinmal	-6	-118	23	242	0.00	2.24	-2.24
Malanpur-Auraiya	7	47	0	54	0.00	0.60	-0.60
Badod-Kota/Morak	27	-29	64	39	0.00	0.04	-0.04
Mundra-Mohinderqarh(HVDC)	2302	1997	2305	0	52.21	0.00	52.21
Vindhychal - Rihand	504	500	508	0	11.50	0.00	11.50
<b>Sub Total WR</b>	<b>5173</b>	<b>3751</b>			<b>104.07</b>	<b>6.20</b>	<b>97.88</b>
Pusauli Bypass	400	400	400	0	7.75	0.00	7.75
MZP- GKP (D/C)	314	452	644	0	11.39	0.00	11.39
Patna-Balia(D/C)	284	239	376	0	6.71	0.00	6.71
B'Sharif-Balia (D/C)	-11	141	270	40	2.52	0.00	2.52
Pusauli-Balia	39	42	135	45	0.44	0.00	0.44
Gaya-Fatehpur (765 Kv)	250	211	333	0	6.36	0.00	6.36
Pusauli-Sahupuri	172	160	190	0	3.70	0.00	3.70
K'nasa-Sahupuri	0	0	0	0	0.00	0.48	-0.48
Son Ngr-Rihand	-40	-35	0	44	0.00	0.85	-0.85
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 Kv)	34	79	269	47	2.89	0.00	2.89
Barh -GKP (D/C)	257	192	259	0	5.29	0.00	5.29
<b>Sub Total ER</b>	<b>1699</b>	<b>1881</b>			<b>47.05</b>	<b>1.33</b>	<b>45.71</b>
<b>Total IR Exch</b>	<b>6872</b>	<b>5632</b>			<b>151.12</b>	<b>7.53</b>	<b>143.59</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
35.31	3.89	39.20	9.37	10.17	0.00	-0.35	1.91	-1.91

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
50.49	85.85	136.34	45.71	97.88	143.59	-4.78	12.02	7.25

**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	-23	-19	0	35	0	1	-0.54

**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	0.44	16.97	70.31	73.82	7.09	1.92	0.22	0.00

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)		
50.22	17.04	49.75	14.26	49.96	0.06	0.07	50.21	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	404	17:50	398	00:11	0.0	0.0	0.0	0.0
Gorakhpur	400	415	18:01	398	00:09	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	418	18:01	399	14:21	0.0	0.0	0.0	0.0
Dadri	400	409	18:03	391	14:26	0.0	0.0	0.0	0.0
Ballabgarh	400	416	06:01	396	14:24	0.0	0.0	0.0	0.0
Bawana	400	411	06:00	395	14:22	0.0	0.0	0.0	0.0
Bassi	400	422	18:02	406	22:07	0.0	0.0	0.7	0.0
Hissar	400	406	18:01	388	14:43	0.0	0.0	0.0	0.0
Moga	400	404	02:58	393	14:27	0.0	0.0	0.0	0.0
Abdullapur	400	407	06:03	396	14:19	0.5	1.3	0.0	0.0
Nalagarh	400	404	02:33	391	14:14	0.0	0.0	0.0	0.0
Kishenpur	400	411	13:03	401	20:24	0.0	0.0	0.0	0.0
Wagoora	400	404	02:41	385	20:44	0.0	7.4	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	787	18:01	750	14:24	0.0	0.0	0.0	0.0
Balia	765	777	18:01	741	14:24	0.0	0.3	0.0	0.0
Moga	765	776	18:03	747	14:27	0.0	0.0	0.0	0.0
Agra	765	787	18:01	751	14:24	0.0	0.0	0.0	0.0
Bhiwani	765	786	18:01	758	11:14	0.0	0.0	0.0	0.0
Unnao	765	768	18:02	731	14:21	0.0	26.3	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 (m³/s)	Usage (m³/s)
Bhakra	513.59	445.62	500.52	1114.30	498.53	1041.47	1795.12	1157.48
Pong	426.72	384.05	413.44	611.20	404.08	320.26	1423.15	517.86
Tehri	829.79	740.04	786.85	401.47	780.05	321.02	1096.30	377.00
Koteshwar	612.50	598.50	609.52	4.44	611.04	5.10	377.00	320.70
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	621.37	354.15
Rihand	268.22	252.98	848.40	230.10	837.30	84.60	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	523.45	8.61	519.71	11.61	484.68	410.08

\* 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	1120	155	0	952	56	0	26.92	2.23	29.15
Delhi	313	137	-2	415	2	-2	9.34	1.91	11.24
Haryana	1379	236	0	1560	203	0	33.86	4.23	38.09
HP	-1284	-223	0	-1081	-249	0	-27.56	-6.04	-33.60
J&K	-636	-96	0	-484	40	0	-12.73	-0.86	-13.59
CHD	0	-15	0	0	0	0	0.24	0.03	0.27
Rajasthan	-495	460	2	-495	421	2	-11.88	12.47	0.59
UP	873	0	0	662	0	0	15.02	0.00	15.02
Uttarakhand	-57	0	0	-57	97	0	-1.37	1.10	-0.27
<b>Total</b>	<b>1213</b>	<b>654</b>	<b>0</b>	<b>1472</b>	<b>569</b>	<b>0</b>	<b>31.85</b>	<b>15.07</b>	<b>46.92</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1319	952	155	56	0	0
Delhi	694	70	286	-5	0	-2
Haryana	1565	1379	244	31	0	0
HP	-1081	-1284	-223	-376	0	0
J&K	-484	-636	40	-96	0	0
CHD	29	0	25	-20	0	0
Rajasthan	-494	-495	595	294	2	0
UP	893	460	0	0	0	0
Uttarakhand	-57	-57	108	0	0	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 24.07.2015 :**

Normal

**XIV. Synchronisation of new generating units :****XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :**

0.00

**XVI. Tripping of lines in pooling stations :****XVII. Complete generation loss in a generating station :**