

# पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 22.07.2015  
Date of Reporting : 23.07.2015

### 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
44367	3266	47632	50.05	41966	4378	46345	50.17	1017.7	81.94

\* 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	69.35	18.08		87.43	119.00	118.04	-0.96	205.47	0.00
Haryana	40.81	0.57		41.37	125.01	124.53	-0.48	165.90	1.04
Rajasthan	113.92	0.26	3.22	117.40	50.17	52.46	2.29	169.86	0.00
Delhi	16.12			16.12	88.35	89.22	0.87	105.34	0.02
UP	121.44	11.73		133.17	130.21	135.69	5.48	268.86	69.84
Uttarakhand		21.87		21.87	13.88	15.83	1.95	37.69	1.82
HP		23.99		23.99	-2.38	1.02	3.40	25.01	1.22
J & K		13.48	0.00	13.48	19.27	20.29	1.01	33.76	8.01
Chandigarh				0.00	6.00	5.78	0.27	5.78	0.00
Total	361.63	89.97	3.22	454.82	549.51	562.86	13.83	1017.68	81.94

\* 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	8805	0	-47	1199	8258	0	-73	1079	9300
Haryana	7316	73	-40	1574	7045	0	-98	1560	7736
Rajasthan	6939	0	17	-437	7023	0	172	-162	7520
Delhi	4450	0	-25	402	4206	0	174	242	5079
UP	11939	2770	415	630	11686	4110	565	857	11939
Uttarakhand	1905	0	205	45	1514	0	-28	-57	1905
HP	1064	0	7	-1300	887	67	331	-1501	1189
J&K	1692	423	82	-384	1142	201	82	-671	1764
Chandigarh	257	0	-25	0	206	0	-11	0	285
Total	44367	3266	590	1729	41966	4378	1114	1347	45491

\* STOA figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

Diversity is 1.03

### 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		1775	1839	1928	46.43	1935	42.41	4.03
	Rihand I STPS (2*500)	1000		870	949	943	22.52	938	20.78	1.74
	Rihand II STPS (2*500)	1000		463	519	508	12.28	512	10.97	1.31
	Rihand III STPS (2*500)	1000		953	1000	952	23.53	980	22.59	0.94
	Dadri I STPS (4*210)	840		800	400	588	13.99	583	13.81	0.18
	Dadri II STPS (2*490)	980		973	875	974	22.21	925	22.20	0.01
	Unchahar I TPS (2*210)	420		400	434	385	9.72	405	9.42	0.30
	Unchahar II TPS (2*210)	420		200	212	218	4.82	201	4.70	0.12
	Unchahar III TPS (1*220)	210		200	213	215	4.84	202	4.68	0.15
	ISTPP (Jhajjar) (3*500)	1500		1500	880	904	17.03	710	17.77	-0.74
	Dadri GPS (4*130.19+2*154.51)	830		800	385	349	8.72	363	9.17	-0.45
	Anta GPS (3*88.71+1*153.2)	419		396	-2	-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	0.02	1	0.03	0.00
	Unchahar Solar	10		3	0	0	0.03	1	0.06	-0.04
	Singrauli Solar	15		3	0	0	0.04	2	0.07	-0.03
	KHEP	800		0	819	818	18.91	788	19.40	-0.49
<b>Sub Total (A)</b>		<b>12112</b>	<b>9977</b>	<b>8523</b>	<b>8781</b>	<b>205</b>	<b>8545</b>	<b>198</b>	<b>7</b>	
B. NPC	NAPS (2*220)	440		372	405	406	8.81	367	8.93	-0.12
	RAPS- B (2*220)	440		388	431	434	9.25	385	9.31	-0.06
	RAPS- C (2*220)	440		395	428	430	9.21	384	9.48	-0.27
	<b>Sub Total (B)</b>		<b>1320</b>	<b>1155</b>	<b>1264</b>	<b>1270</b>	<b>27.27</b>	<b>1136</b>	<b>27.72</b>	<b>-0.45</b>
C. NHPC	Chamera I HPS (3*180)	540		535	545	537	13.05	544	12.84	0.21
	Chamera II HPS (3*100)	300		300	302	303	7.22	301	7.20	0.02
	Chamera III HPS (3*77)	231		229	236	231	5.53	230	5.50	0.03
	Bairasuil HPS(3*60)	180		179	182	186	4.31	180	4.18	0.13
	Salal-HPS (6*115)	690		635	670	665	1.56	65	15.26	-13.70
	Tanakpur-HPS (3*40)	94		89	85	94	2.20	91	2.14	0.05
	Uri-I HPS (4*120)	480		475	476	470	11.58	483	11.40	0.18
	Uri-II HPS (4*60)	240		180	183	182	4.35	181	4.32	0.03
	Dhauliganga-HPS (4*70)	280		280	286	284	6.77	282	6.72	0.05
	Dulhasti-HPS (3*130)	390		92	400	0	2.27	95	2.22	0.05
	Sewa-II HPS (3*40)	120		117	129	129	2.97	124	2.80	0.16
	Parbati 3 (4*130)	520		77	135	0	2.02	84	1.92	0.10
	<b>Sub Total (C)</b>		<b>4065</b>	<b>3190</b>	<b>3629</b>	<b>3079</b>	<b>64</b>	<b>2660</b>	<b>77</b>	<b>-13</b>
	D. SJVNL	NJPC (6*250)	1500		973	1623	0	23.82	993	23.75
Rampur HEP (6*68.67)		412		442	442	0	6.59	274	6.49	0.09
<b>Sub Total (D)</b>			<b>1912</b>	<b>1415</b>	<b>2065</b>	<b>0</b>	<b>30.41</b>	<b>1267</b>	<b>30.25</b>	<b>0.16</b>
E. THDC	Tehri HPS (4*250)	1000		792	772	564	8.12	338	8.00	0.12
	Koteshwar HPS (4*100)	400		151	389	93	3.64	152	3.60	0.04
	<b>Sub Total (E)</b>		<b>1400</b>	<b>943</b>	<b>1161</b>	<b>657</b>	<b>11.76</b>	<b>490</b>	<b>11.60</b>	<b>0.16</b>
F. BBMB	Bhakra HPS (3*108+2*126+5*157)	1361		1339	1450	1328	32.29	1346	32.14	0.15
	Dehar HPS (6*165)	990		603	660	560	14.53	605	14.46	0.07
	Pong HPS (6*66)	396		73	192	66	1.78	74	1.75	0.04
	<b>Sub Total (F)</b>		<b>2747</b>	<b>2014</b>	<b>2302</b>	<b>1954</b>	<b>48.60</b>	<b>2025</b>	<b>48.34</b>	<b>0.26</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192		0	231	232	5.50	229	5.37	0.14
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000		1000	1200	600	24.56	1023	22.83	1.73
	Malana Stg-II HPS (2*50)	100		0	111	111	2.63	110	2.48	0.15
	Shree Cement TPS (2*150)	300		0	295	295	6.97	291	6.94	0.03
	Budhil HPS(IPP) (2*35)	70		0	74	74	1.74	73	1.68	0.07
	<b>Sub Total (G)</b>		<b>1662</b>	<b>0</b>	<b>1911</b>	<b>1312</b>	<b>41.41</b>	<b>1725</b>	<b>39.30</b>	<b>2.11</b>
<b>H. Total Regional Entities (A-G)</b>		<b>25219</b>	<b>18694</b>	<b>20855</b>	<b>17052</b>	<b>428.38</b>	<b>17849</b>	<b>431.77</b>	<b>-3.39</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	900	930	20.85	869	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	80	108	1.95	81	
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	710	718	15.26	636	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	1139	700	19.38	808	
	Talwandi Saboo (1*660)	660	352	658	11.90	496	
	<b>Thermal (Total)</b>	<b>4700</b>	<b>3181</b>	<b>3114</b>	<b>69.35</b>	<b>2889</b>	
	Total Hydro	1000	644	807	18.08	754	
	<b>Total Punjab</b>	<b>5700</b>	<b>3825</b>	<b>3921</b>	<b>87.43</b>	<b>3643</b>	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	227	0	3.37	140
DCRTPP (Yamuna nagar) (2*300)		600	472	545	12.54	523	
Faridabad GPS (NTPC)		432	0	0	0.00	0	
RGTPP (Khedar) (IPP) (2*600)		1200	408	567	12.32	513	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	403	538	12.58	524	
<b>Thermal (Total)</b>		<b>4944</b>	<b>1510</b>	<b>1650</b>	<b>40.81</b>	<b>1700</b>	
Total Hydro		62	21	25	0.57	24	
<b>Total Haryana</b>		<b>5006</b>	<b>1531</b>	<b>1675</b>	<b>41.37</b>	<b>1724</b>	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	879	860	20.23	843
	suratgarh TPS (6*250)	1500	623	576	14.37	599	
	Chabra TPS (4*250)	1000	550	552	13.10	546	
	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	188	93	4.47	186	
	RAPS A (NPC) (1*100+1*200)	300	152	152	3.43	143	
	Barsingar (NLC) (2*125)	250	95	94	2.12	88	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	530	597	15.55	648	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(1*600)	600	800	830	19.06	794	
	Kawai(Adani) (2*660)	1320	892	871	21.60	900	
	<b>Thermal (Total)</b>	<b>8276</b>	<b>4709</b>	<b>4625</b>	<b>114</b>	<b>4747</b>	
	Total Hydro	550	36	0	0.26	11	
	Wind power	3214	189	184	2.78	116	
	Biomass	99	18	18	0.44	18	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	207	202	3.22	134	
	<b>Total Rajasthan</b>	<b>12869</b>	<b>4952</b>	<b>4827</b>	<b>117.40</b>	<b>4892</b>	
	UP	Anpara TPS (3*210+2*500)	1630	1156	1279	28.90	1204
		Obra TPS (2*50+2*94+5*200)	1194	353	403	9.10	379
		Paricha TPS (2*110+2*220+2*250)	1140	733	764	16.80	700
Panki TPS (2*105)		210	113	104	2.70	113	
Harduaganj TPS (1*60+1*105+2*250)		665	437	488	11.40	475	
Tanda TPS (NTPC) (4*110)		440	364	364	8.97	374	
Roza TPS (IPP) (4*300)		1200	545	545	13.01	542	
Anpara-C (IPP) (2*600)		1200	988	783	20.14	839	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	365	322	8.02	334	
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>5054</b>	<b>5052</b>	<b>119</b>	<b>4960</b>	
Vishnuparyag HPS (IPP)(including Alakananada)		730	255	251	5.93	247	
Other Hydro		527	279	309	5.80	241	
Cogeneration		981	100	100	2.40	100	
<b>Total UP</b>		<b>11527</b>	<b>5688</b>	<b>5712</b>	<b>133.17</b>	<b>5302</b>	
Uttarakhand		Total Hydro	1398	1026	1026	21.87	911
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>1026</b>	<b>1026</b>	<b>21.87</b>	<b>911</b>	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.02	1	
	Delhi Gas Turbine (6x30 + 3x34)	282	69	69	1.67	70	
	Pragati Gas Turbine (2x104+ 1x122)	330	259	259	5.91	246	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (6*250)	1370	31	-5	0.68	28	
	Badarpur TPS (NTPC) (3*95+2*210)	705	359	320	7.83	326	
	Thermal (Total)	2917	718	643	16.12	671	
	<b>Total Delhi</b>	<b>2917</b>	<b>718</b>	<b>643</b>	<b>16.12</b>	<b>671</b>	
HP	Baspa HPS (IPP) (2*100)	300	333	333	7.69	320	
	Malana HPS (IPP) (2*43)	86	97	100	2.34	98	
	Other Hydro	878	603	582	13.95	581	
	<b>Total HP</b>	<b>1264</b>	<b>1033</b>	<b>1015</b>	<b>23.99</b>	<b>999</b>	
J & K	Baglihar HPS (IPP) (3*150)	450	450	450	10.80	450	
	Other Hydro/IPP	560	112	112	2.68	112	
	Gas/Diesel/Others	190	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1200</b>	<b>562</b>	<b>562</b>	<b>13.48</b>	<b>562</b>	
<b>Total State Control Area Generation</b>		<b>41881</b>	<b>19335</b>	<b>19381</b>	<b>454.82</b>	<b>18704</b>	
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>2088</b>	<b>2332</b>	<b>152.36</b>	<b>6348</b>	
<b>Total Regional Availability(Gross)</b>		<b>67100</b>	<b>42278</b>	<b>38765</b>	<b>1035.56</b>	<b>42901</b>	

#### IV. Total Hydro Generation:

Regional Entities Hydro	12216	11518	7450	206.22	8592
State Control Area Hydro	5811	3601	3744	89.97	3501
<b>Total Regional Hydro</b>	<b>18027</b>	<b>15119</b>	<b>11194</b>	<b>296.18</b>	<b>12094</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	MW	MW	Import	Export	Import	Export	
Vindhychal B/B	-100	300	500	100	4.27	0.55	3.72		
Gwalior-Agra (D/C)	-1737	-2031	2565	0	46.56	0.00	46.56		
Zerda-Kankroli	-150	-41	0	254	0.00	2.91	-2.91		
Zerda-Bhinmal	-127	6	96	262	0.00	1.60	-1.60		
Malanpur-Auraiya	-43	-24	0	28	0.00	0.05	-0.05		
Badod-Kota/Morak	-21	11	37	60	0.00	0.08	-0.08		
Mundra-Mohinderqarh(HVDC)	2003	1692	2005	0	45.26	0.00	45.26		
Vindhychal - Rihand	501	359	501	0	10.94	0.00	10.94		
<b>Sub Total WR</b>	<b>326</b>	<b>272</b>			<b>107.02</b>	<b>5.18</b>	<b>101.84</b>		
Pusauli Bypass	400	400	400	0	9.34	0.00	9.34		
MZP- GKP (D/C)	328	444	620	0	11.21	0.00	11.21		
Patna-Balia(D/C)	198	261	315	0	6.62	0.00	6.62		
B'Sharif-Balia (D/C)	64	152	214	0	3.67	0.00	3.67		
Pusauli-Balia	62	108	147	0	1.13	0.00	1.13		
Gaya-Fatehpur (765 Kv)	240	215	353	0	6.62	0.00	6.62		
Pusauli-Sahupuri	230	228	236	0	3.72	0.00	3.72		
K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48		
Son Ngr-Rihand	-42	-40	0	43	0.00	0.94	-0.94		
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
Sasaram - Fatehpur(765 KV)	39	50	206	-29	2.93	0.00	2.93		
Barh -GKP (D/C)	243	242	279	0	5.75	0.00	5.75		
<b>Sub Total ER</b>	<b>1762</b>	<b>2060</b>			<b>51.46</b>	<b>0.94</b>	<b>50.52</b>		
<b>Total IR Exch</b>	<b>2088</b>	<b>2332</b>			<b>158.48</b>	<b>6.12</b>	<b>152.36</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
38.26	3.84	42.10	9.82	8.28	0.00	0.00	1.43	-1.43

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
53.36	86.30	139.66	50.52	101.84	152.36	-2.84	15.54	12.70

**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	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-30	-32	0	32	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	0.47	8.87	52.38	72.65	15.38	2.96	0.21	0.00

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					
50.22	13.01	49.75	5.37	49.99	0.05	0.07	50.21	49.94

**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	402	17:16	396	05:43	0.0	0.0	0.0	0.0
Gorakhpur	400	415	17:16	400	02:31	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	04:01	398	22:05	0.0	0.0	0.0	0.0
Dadri	400	413	04:01	395	14:46	0.1	0.1	0.0	0.0
Ballabgarh	400	418	03:07	398	14:44	0.0	0.0	0.0	0.0
Bawana	400	416	03:44	398	14:40	0.0	0.0	0.0	0.0
Bassi	400	420	02:54	402	14:38	0.0	0.0	0.0	0.0
Hissar	400	410	03:09	394	14:40	0.0	0.0	0.0	0.0
Moga	400	409	03:09	397	09:38	0.0	0.0	0.0	0.0
Abdullapur	400	417	03:08	396	15:22	0.0	1.0	0.0	0.0
Nalagarh	400	419	03:05	394	14:46	0.0	0.0	0.0	0.0
Kishenpur	400	419	00:46	401	20:29	0.0	0.0	0.0	0.0
Wagoora	400	410	04:04	386	20:30	0.0	8.0	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	774	17:17	745	22:05	0.0	0.0	0.0	0.0
Balia	765	773	17:17	744	22:05	0.0	0.0	0.0	0.0
Moga	765	786	04:01	762	09:41	0.0	0.0	0.0	0.0
Agra	765	785	17:17	755	09:43	0.0	0.0	0.0	0.0
Bhiwani	765	791	03:13	764	22:05	0.0	0.0	0.0	0.0
Unnao	765	759	17:17	734	22:25	0.0	21.2	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 (m³/s)	Usage (m³/s)
Bhakra	513.59	445.62	499.70	1076.64	497.73	1006.54	1950.35	1106.03
Pong	426.72	384.05	412.62	588.94	403.68	304.55	1005.36	113.69
Tehri	829.79	740.04	781.55	339.00	778.25	300.00	985.98	220.00
Koteshwar	612.50	598.50	609.80	4.95	610.97	5.08	220.00	239.83
Chamera-I	760.00	748.75	756.50	0.00	0.00	0.00	586.55	353.46
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	523.06	9.57	519.51	11.52	774.88	420.97

\* 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	975	104	0	1199	0	0	30.89	0.77	31.66
Delhi	308	-63	-2	339	90	-27	8.17	0.77	8.95
Haryana	1325	235	0	1359	215	0	32.90	2.96	35.86
HP	-1284	-218	0	-1081	-219	0	-27.56	-5.38	-32.94
J&K	-586	-86	0	-434	50	0	-11.51	-0.71	-12.22
CHD	0	0	0	0	0	0	0.24	0.01	0.25
Rajasthan	-494	330	2	-494	55	2	-11.86	7.75	-4.11
UP	857	0	0	630	0	0	14.54	0.00	14.54
Uttarakhand	-57	0	0	-57	78	24	-1.37	0.65	-0.72
<b>Total</b>	<b>1045</b>	<b>303</b>	<b>0</b>	<b>1461</b>	<b>269</b>	<b>-1</b>	<b>34.44</b>	<b>6.82</b>	<b>41.26</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1566	876	120	0	0	0
Delhi	600	65	338	-173	0	-27
Haryana	1575	1314	236	-264	0	0
HP	-1081	-1284	-195	-372	0	0
J&K	-434	-586	50	-101	0	0
CHD	29	0	10	0	0	0
Rajasthan	-494	-495	592	9	2	0
UP	867	454	0	0	0	0
Uttarakhand	-57	-57	78	0	24	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 22.07.2015 :**

Normal

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

Sultanpur Bus reactor 80MVAR first time charged at 21:07HRS.

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