

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पब्लिसिड की पूर्ण स्वामित्व प्राप्त सार्वजनिक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 28.07.2015

Date of Reporting : 29.07.2015

### I. Regional Availability/Demand:

Demand Met	Evening Peak (20:00 Hrs) MW			Freq* (Hz)	Off Peak (03:00 Hrs) MW			Demand Met	Day Energy (Net MU)	
	Shortage	Requirement	Requirement		Shortage	Requirement	Requirement		Shortage	Shortage
43574	2127	45701	45701	50.03	41208	2151	43359	50.17	1005.7	60.94

\* 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	70.10	22.00		92.10	1367	129.59	129.41	-0.18	221.51	0.00
Haryana	46.24	0.65		46.90	128.99	128.85	-0.15	175.75	1.40	
Rajasthan	50.48	4.43	4.29	59.19	58.90	59.73	0.83	118.92	0.00	
Delhi	12.75			12.75	85.34	83.95	-1.39	96.70	0.16	
UP	130.82	11.85		142.67	143.69	145.56	1.87	288.23	50.33	
Uttarakhand		23.04		23.04	16.72	16.51	-0.22	39.54	1.05	
HP		24.80		24.80	-0.05	0.36	0.41	25.16	0.00	
J & K		13.41	0.00	13.41	20.29	20.22	-0.06	33.64	8.01	
Chandigarh				0.00	6.52	6.27	0.27	6.27	0.00	
<b>Total</b>	<b>310.39</b>	<b>100.18</b>	<b>4.29</b>	<b>414.86</b>	<b>590.00</b>	<b>590.85</b>	<b>1.38</b>	<b>1005.71</b>	<b>60.94</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	10062	0	-35	1367	8710	0	-91	1624	10167
Haryana	7931	49	48	1544	7365	0	161	1543	8366
Rajasthan	5186	0	62	39	4989	0	183	68	5651
Delhi	4038	0	-101	84	4036	0	37	174	4504
UP	11453	1650	-341	653	12330	1970	84	917	12455
Uttarakhand	1884	0	93	56	1618	0	85	-57	1884
HP	1038	0	-19	-1363	901	0	39	-1578	1186
J&K	1710	428	136	-444	1027	181	-215	-757	2239
Chandigarh	272	0	-10	7	231	0	-9	-15	315
<b>Total</b>	<b>43574</b>	<b>2127</b>	<b>-168</b>	<b>1942</b>	<b>41208</b>	<b>2151</b>	<b>274</b>	<b>1919</b>	<b>44996</b>

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

### III. Regional Entities :

Entity	Station/Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI (OG:(+ve), UG: (-ve))	
									Net MU	Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1831	2001	1663	45.26	1886	41.61	3.64	
	Rihand I STPS (2*500)	1000	780	740	708	17.99	750	16.41	1.58	
	Rihand II STPS (2*500)	1000	470	527	340	10.38	433	9.52	0.86	
	Rihand III STPS (2*500)	1000	953	1014	637	20.01	834	18.98	1.03	
	Dadri I STPS (4*210)	840	810	622	581	14.91	621	13.84	1.06	
	Dadri II STPS (2*490)	980	976	731	663	17.17	715	17.14	0.03	
	Unchahar I TPS (2*210)	420	400	394	260	7.35	306	7.57	-0.22	
	Unchahar II TPS (2*210)	420	400	378	249	6.63	276	7.11	-0.49	
	Unchahar III TPS (1*220)	210	200	186	114	3.27	136	3.49	-0.23	
	ISTPP (Jhajjar) (3*500)	1500	1383	764	611	14.01	584	14.72	-0.71	
	Dadri GPS (4*130.19+2*154.51)	830	704	243	195	5.38	224	5.58	-0.20	
	Anta GPS (3*88.71+1*153.2)	419	396	0	0	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	0.03	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	818	819	19.18	799	19.40	-0.22	
	<b>Sub Total (A)</b>	<b>12112</b>	<b>9948</b>	<b>8418</b>	<b>6840</b>	<b>182</b>	<b>7569</b>	<b>176</b>	<b>6</b>	
B. NPC	NAPS (2*220)	440	370	406	412	8.94	373	8.88	0.06	
	RAPS- B (2*220)	440	387	436	440	9.40	392	9.29	0.11	
	RAPS- C (2*220)	440	385	417	418	8.89	370	9.24	-0.35	
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1142</b>	<b>1259</b>	<b>1270</b>	<b>27.23</b>	<b>1135</b>	<b>27.41</b>	<b>-0.18</b>	
C. NHPC	Chamera I HPS (3*180)	540	537	545	541	13.08	545	12.89	0.20	
	Chamera II HPS (3*100)	300	300	301	302	7.20	300	7.20	0.00	
	Chamera III HPS (3*77)	231	229	237	234	5.62	234	5.50	0.12	
	Bairasuli HPS(3*60)	180	179	185	184	3.96	165	3.89	0.07	
	Salal-HPS (6*115)	690	543	575	572	13.78	574	13.10	0.68	
	Tanakpur-HPS (3*40)	94	93	92	93	2.24	93	2.23	0.02	
	Uri-I HPS (4*120)	480	475	472	471	11.48	478	11.40	0.08	
	Uri-II HPS (4*60)	240	180	182	182	4.35	181	4.32	0.03	
	Dhauliganga-HPS (4*70)	280	280	285	281	6.76	282	6.72	0.04	
	Dulhasti-HPS (3*130)	390	386	394	393	9.30	388	9.26	0.04	
	Sewa-II HPS (3*40)	120	119	130	129	3.03	126	2.86	0.17	
	Parbati 3 (4*130)	520	390	261	131	5.33	222	5.33	0.00	
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3711</b>	<b>3660</b>	<b>3515</b>	<b>86</b>	<b>3589</b>	<b>85</b>	<b>1</b>	
	D.SJVNL	NJPC (6*250)	1500	1605	1605	1605	38.41	1600	38.50	-0.08
Rampur HEP (6*68.67)		412	428	431	429	10.31	430	10.27	0.04	
<b>Sub Total (D)</b>		<b>1912</b>	<b>2033</b>	<b>2036</b>	<b>2034</b>	<b>48.72</b>	<b>2030</b>	<b>48.77</b>	<b>-0.04</b>	
E. THDC	Tehri HPS (4*250)	1000	888	892	722	20.13	839	20.00	0.13	
	Koteshwar HPS (4*100)	400	329	393	390	7.51	313	7.50	0.01	
<b>Sub Total (E)</b>	<b>1400</b>	<b>1217</b>	<b>1285</b>	<b>1112</b>	<b>27.64</b>	<b>1152</b>	<b>27.50</b>	<b>0.14</b>		
F. BBMB	Bhakra HPS (3*108+2*126+5*157)	1361	1431	1453	1459	34.54	1439	34.34	0.20	
	Dehar HPS (6*165)	990	606	660	620	14.74	614	14.54	0.20	
	Pong HPS (6*66)	396	365	384	318	8.88	370	8.76	0.12	
	<b>Sub Total (F)</b>	<b>2747</b>	<b>2402</b>	<b>2497</b>	<b>2397</b>	<b>58.16</b>	<b>2423</b>	<b>57.64</b>	<b>0.52</b>	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	230	230	5.27	220	5.36	-0.09	
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1200	1200	28.68	1195	28.75	-0.07	
	Malana Stg-II HPS (2*50)	100	0	111	111	2.62	109	2.47	0.15	
	Shree Cement TPS (2*150)	300	0	276	239	6.21	259	6.71	-0.50	
	Budhil HPS(IPP) (2*35)	70	0	70	73	1.60	67	1.67	-0.08	
<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1887</b>	<b>1853</b>	<b>44.38</b>	<b>1849</b>	<b>44.97</b>	<b>-0.59</b>		
<b>H. Total Regional Entities (A-G)</b>	<b>25219</b>	<b>20453</b>	<b>21042</b>	<b>19021</b>	<b>473.94</b>	<b>19747</b>	<b>466.54</b>	<b>7.40</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	1050	850	20.11	838	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	80	80	1.79	74	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	621	580	13.47	561	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	1363	689	25.23	1051	
	Talwandi Saboo (1*660)	660	503	346	9.51	396	
	<b>Thermal (Total)</b>	<b>4700</b>	<b>3617</b>	<b>2545</b>	<b>70.10</b>	<b>2921</b>	
	Total Hydro	1000	932	932	22.00	917	
	<b>Total Punjab</b>	<b>5700</b>	<b>4549</b>	<b>3477</b>	<b>92.10</b>	<b>3837</b>	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	211	217	5.23	218
		DCRTPP (Yamuna nagar) (2*300)	600	422	471	10.67	445
Faridabad GPS (NTPC)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	404	370	10.04	418	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	739	741	20.31	846	
<b>Thermal (Total)</b>		<b>4944</b>	<b>1776</b>	<b>1799</b>	<b>46.24</b>	<b>1927</b>	
Total Hydro		62	28	27	0.65	27	
<b>Total Haryana</b>		<b>5006</b>	<b>1804</b>	<b>1826</b>	<b>46.90</b>	<b>1954</b>	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	206	246	5.26	219
		suratgarh TPS (6*250)	1500	191	191	4.48	187
		Chabra TPS (4*250)	1000	169	159	4.01	167
		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	50	59	0.84	35
	RAPS A (NPC) (1*100+1*200)	300	159	177	4.08	170	
	Barsingsar (NLC) (2*125)	250	93	95	2.20	92	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	351	638	8.48	353	
	V/S LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	450	368	10.03	418	
	Kawai(Adani) (2*660)	1320	464	445	11.08	462	
	<b>Thermal (Total)</b>	<b>8876</b>	<b>2133</b>	<b>2378</b>	<b>50</b>	<b>2103</b>	
	Total Hydro	550	211	161	4.43	185	
	Wind power	3214	176	76	3.73	155	
	Biomass	99	23	23	0.56	23	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	199	99	4.29	179	
	<b>Total Rajasthan</b>	<b>13469</b>	<b>2543</b>	<b>2638</b>	<b>59.19</b>	<b>2466</b>	
	UP	Anpara TPS (3*210+2*500)	1630	1367	1334	31.75	1323
		Obra TPS (2*50+2*94+5*200)	1194	418	417	9.86	411
Panicha TPS (2*110+2*220+2*250)		1140	609	642	14.78	616	
Panki TPS (2*105)		210	113	126	2.99	125	
Harduaganj TPS (1*60+1*105+2*250)		665	437	423	10.12	422	
Tanda TPS (NTPC) (4*110)		440	360	361	8.90	371	
Roza TPS (IPP) (4*300)		1200	824	824	19.56	815	
Anpara-C (IPP) (2*600)		1200	963	891	22.39	933	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	324	403	9.28	387	
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>5415</b>	<b>5421</b>	<b>130</b>	<b>5401</b>	
Vishnuparyag HPS (IPP)(including Alakanada)		730	300	290	7.04	293	
Other Hydro		527	96	347	4.82	201	
Cogeneration		981	50	50	1.20	50	
<b>Total UP</b>		<b>11527</b>	<b>5861</b>	<b>6108</b>	<b>142.67</b>	<b>5651</b>	
Uttarakhand	Total Hydro	1398	1030	978	23.04	960	
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>1030</b>	<b>978</b>	<b>23.04</b>	<b>960</b>	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	36	69	1.42	59	
	Pragati Gas Turbine (2x104+ 1x122)	330	126	128	3.14	131	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	0	0	0.00	0	
	Badarpur TPS (NTPC) (3*95+2*210)	705	385	384	8.19	341	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>546</b>	<b>582</b>	<b>12.75</b>	<b>531</b>	
	<b>Total Delhi</b>	<b>2917</b>	<b>546</b>	<b>582</b>	<b>12.75</b>	<b>531</b>	
HP	Baspa HPS (IPP) (3*100)	300	336	336	7.66	319	
	Malana HPS (IPP) (2*43)	86	95	95	2.27	95	
	Other Hydro	878	597	618	14.87	620	
	<b>Total HP</b>	<b>1264</b>	<b>1028</b>	<b>1049</b>	<b>24.80</b>	<b>1033</b>	
J & K	Baqilhar HPS (IPP) (3*150)	450	450	450	10.80	450	
	Other Hydro/IPP	560	111	111	2.61	109	
	Gas/Diesel/Others	190	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1200</b>	<b>561</b>	<b>561</b>	<b>13.41</b>	<b>559</b>	
<b>Total State Control Area Generation</b>		<b>42481</b>	<b>17922</b>	<b>17219</b>	<b>414.86</b>	<b>16993</b>	
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>6906</b>	<b>6367</b>	<b>152.70</b>	<b>6362</b>	
<b>Total Regional Availability(Gross)</b>		<b>67700</b>	<b>45870</b>	<b>42607</b>	<b>1041.49</b>	<b>43102</b>	

#### IV. Total Hydro Generation:

Regional Entities Hydro	12216	11837	11418	276.43	11518
State Control Area Hydro	5811	3886	4055	100.18	3881
<b>Total Regional Hydro</b>	<b>18027</b>	<b>15723</b>	<b>15473</b>	<b>376.61</b>	<b>15399</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(HVDC B/B)	400	500	500	0	10.13	0.00	10.13		10.13
765 KV Gwalior-Agra (D/C)	2225	1733	2352	0	44.31	0.00	44.31		44.31
400 KV Zerda-Kankroli	0	0	0	80	0.00	0.14	-0.14		
400 KV Zerda-Bhinmal	-66	-189	147	438	0.00	3.54	-3.54		
220 KV Auraiya-Malanpur	-15	-22	0	40	0.00	0.37	-0.37		
220 KV Badod-Kota/Morak	32	44	70	16	0.87	0.00	0.87		
Mundra-Mohinderqarh(HVDC Bipole)	2500	2500	2507	0	55.47	0.00	55.47		
400 KV Vindhychal - Rihand	424	238	427	0	7.89	0.00	7.89		
<b>Sub Total WR</b>	<b>5500</b>	<b>4804</b>			<b>118.66</b>	<b>4.05</b>	<b>114.61</b>		
Pusaull Bypass/HVDC	400	400	400	0	9.30	0.00	9.30		
400 KV MZP- GKP (D/C)	225	310	363	0	7.25	0.00	7.25		
400 KV Patna-Balia(D/C) X 2	157	222	285	0	4.97	0.00	4.97		
400 KV B'Sharif-Balia (D/C)	46	122	149	11	2.35	0.00	2.35		
765 KV Pusaull-Balia	46	68	91	55	0.54	0.00	0.54		
765 KV Gaya-Fatehpur	177	109	266	0	4.18	0.00	4.18		
220 KV Pusaull-Sahupuri	117	153	222	0	4.25	0.00	4.25		
132 KV Knasa-Sahupuri	0	0	0	0	0.00	0.00	0.00		
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.00	0.00		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-5	-40	96	67	0.33	0.00	0.33		
400 KV Barh -GKP (D/C)	243	219	266	0	4.91	0.00	4.91		
<b>Sub Total ER</b>	<b>1406</b>	<b>1563</b>			<b>38.09</b>	<b>0.00</b>	<b>38.09</b>		
<b>Total IR Exch</b>	<b>6906</b>	<b>6367</b>			<b>156.75</b>	<b>4.05</b>	<b>152.70</b>		

**V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]**

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
32.15	3.76	35.90	11.31	8.23	0.00	-0.41	2.30	-2.30

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
49.51	95.79	145.30	38.09	114.61	152.70	-11.43	18.82	7.39

**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	-22	-33	0	36	0	1	-0.60		

**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	1.34	7.88	51.78	72.29	16.82	3.08	0.00	0.00

←----- Frequency (Hz) ----->				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX	MIN
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)
50.19	18.00	49.71	19.20	49.99	0.05	0.07	50.19	49.87

**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	03:20	396	19:59	0.0	0.0	0.0	0.0
Gorakhpur	400	415	06:09	393	11:08	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	417	06:04	394	11:10	0.0	0.0	0.0	0.0
Dadri	400	411	06:01	391	11:20	0.0	0.0	0.0	0.0
Ballabgarh	400	420	06:03	396	11:13	0.0	0.0	0.0	0.0
Bawana	400	408	18:01	393	11:13	0.0	0.0	0.0	0.0
Bassi	400	430	03:03	407	09:56	0.0	0.0	37.3	0.0
Hissar	400	406	06:00	388	11:20	0.0	4.2	0.0	0.0
Moga	400	404	03:04	388	11:26	0.0	13.4	0.0	0.0
Abdullapur	400	400	03:58	396	10:21	0.0	23.1	0.0	0.0
Nalagarh	400	404	02:49	387	14:23	0.0	15.9	0.0	0.0
Kishenpur	400	411	03:54	397	20:21	0.0	0.0	0.0	0.0
Wagoora	400	403	23:36	382	19:52	0.0	43.5	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	782	07:01	743	11:13	0.0	0.0	0.0	0.0
Balia	765	768	06:05	737	11:08	0.0	6.5	0.0	0.0
Moga	765	777	06:01	738	11:09	0.0	14.3	0.0	0.0
Agra	765	787	06:03	747	11:12	0.0	0.0	0.0	0.0
Bhiwani	765	787	06:01	752	12:22	0.0	0.0	0.0	0.0
Unnao	765	764	07:01	727	11:37	0.5	47.9	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	501.96	1179.55	500.79	1127.29	1655.46	1164.56
Pong	426.72	384.05	415.05	680.86	405.41	352.07	1892.78	538.90
Tehri	829.79	740.04	792.25	483.10	787.20	411.99	671.40	548.00
Koteshwar	612.50	598.50	610.00	46.90	610.61	4.75	548.00	494.78
Chamera-I	760.00	748.75	754.75	0.00	0.00	0.00	506.78	354.61
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	522.88	10.51	519.65	11.04	954.21	420.19

\* 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	1510	114	0	1302	65	0	36.78	1.54	38.32
Delhi	259	-83	-2	393	-282	-27	7.99	-3.88	4.10
Haryana	1326	217	0	1360	184	0	32.29	4.16	36.45
HP	-1283	-296	0	-1080	-283	0	-27.54	-6.95	-34.49
J&K	-636	-121	0	-484	40	0	-12.72	-1.15	-13.87
CHD	0	-15	0	0	7	0	0.24	0.07	0.30
Rajasthan	-496	563	2	-494	531	2	-11.89	13.41	1.51
UP	917	0	0	653	0	0	15.22	0.00	15.22
Uttarakhand	-57	0	0	-57	89	24	-1.36	0.87	-0.50
<b>Total</b>	<b>1540</b>	<b>379</b>	<b>0</b>	<b>1593</b>	<b>351</b>	<b>-1</b>	<b>38.99</b>	<b>8.05</b>	<b>47.04</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1913	1299	119	0	0	0
Delhi	597	65	30	-370	0	-27
Haryana	1401	1315	233	9	0	0
HP	-1080	-1283	-215	-452	0	0
J&K	-484	-636	40	-121	0	0
CHD	29	0	17	-15	0	0
Rajasthan	-494	-497	594	486	2	0
UP	971	460	0	0	0	0
Uttarakhand	-57	-57	89	0	24	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 28.07.2015 :**

Normal/ Scattered rain in rajasthan

**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 :**