

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पब्लिसिड की पूर्ण स्वायत्तता प्राप्त सार्वजनिक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 18.09.2015  
Date of Reporting : 19.09.2015

### 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
45970	1906	47876	49.95	45095	2605	47700	50.08	1081.6	61.96

\* 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	88.86	17.22		106.08	91.45	91.03	-0.42	197.11	0.00
Haryana	46.10	0.72		46.81	125.59	122.00	-3.59	168.81	0.00
Rajasthan	130.27	4.18	12.72	147.17	60.76	58.04	-2.72	205.21	0.00
Delhi	24.56			24.56	90.44	89.41	-1.03	113.97	0.06
UP	127.19	17.40		144.59	146.57	147.45	0.87	292.04	53.87
Uttarakhand		20.45		20.45	17.65	19.27	1.62	39.72	0.00
HP		14.09		14.09	10.89	11.09	0.20	25.18	0.00
J & K		13.19	0.00	13.19	19.94	20.81	0.87	34.00	8.03
Chandigarh				0.00	5.80	5.59	0.27	5.59	0.00
<b>Total</b>	<b>416.97</b>	<b>87.24</b>	<b>12.72</b>	<b>516.93</b>	<b>569.10</b>	<b>564.69</b>	<b>-3.93</b>	<b>1081.62</b>	<b>61.96</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	8551	0	103	647	7707	0	-43	407	8835
Haryana	7556	0	-579	1798	7568	0	49	1938	7889
Rajasthan	7933	0	-75	-69	9648	0	-286	903	9963
Delhi	4801	0	-1	547	4500	0	-48	329	5177
UP	12211	1500	-94	497	11920	2390	-135	1595	13043
Uttarakhand	1851	0	-1	126	1492	0	60	107	1886
HP	1185	0	8	-802	859	0	-15	-675	1276
J&K	1624	406	-75	-207	1219	215	7	-407	1672
Chandigarh	259		-14	0	183	0	4	0	277
<b>Total</b>	<b>45970</b>	<b>1906</b>	<b>-728</b>	<b>2535</b>	<b>45095</b>	<b>2605</b>	<b>-406</b>	<b>4198</b>	<b>46514</b>

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

Diversity is 1.08

### 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	
									Net MU	
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1838	1893	2015	43.73	1822	42.45	1.29	
	Rihand I STPS (2*500)	1000	813	887	922	19.18	799	18.99	0.19	
	Rihand II STPS (2*500)	1000	951	1024	1040	22.65	944	22.31	0.34	
	Rihand III STPS (2*500)	1000	480	504	513	11.24	468	11.19	0.04	
	Dadri I STPS (4*210)	840	559	412	587	11.89	496	12.65	-0.76	
	Dadri II STPS (2*490)	980	970	785	866	19.14	798	20.27	-1.13	
	Unchahar I TPS (2*210)	420	197	165	180	4.40	183	4.59	-0.19	
	Unchahar II TPS (2*210)	420	400	310	355	8.80	366	9.16	-0.37	
	Unchahar III TPS (1*220)	210	200	169	170	4.22	176	4.52	-0.30	
	ISTPP (Jhajjar) (3*500)	1500	1436	655	647	14.90	621	15.26	-0.37	
	Dadri GPS (4*130.19+2*154.51)	830	800	322	349	7.94	331	8.23	-0.30	
	Anta GPS (3*88.71+1*153.2)	419	351	233	217	5.61	234	5.88	-0.27	
	Auraiya GPS (4*111.19+2*109.30)	663	635	0	0	0.00	0	0.00	0.00	
	Dadri Solar	5	1	0	0	0.02	1	0.03	-0.01	
	Unchahar Solar	10	3	0	0	0.04	2	0.06	-0.02	
	Singrauli Solar	15	3	0	0	0.07	3	0.08	-0.01	
	KHEP	800	814	818	420	11.06	461	11.34	-0.28	
	<b>Sub Total (A)</b>	<b>12112</b>	<b>10450</b>	<b>8177</b>	<b>8281</b>	<b>185</b>	<b>7703</b>	<b>187</b>	<b>-2</b>	
	B. NPC	NAPS (2*220)	440	372	402	410	8.93	372	8.93	0.00
		RAPS- B (2*220)	440	185	209	209	4.44	185	4.44	0.00
RAPS- C (2*220)		440	400	424	430	9.11	379	9.60	-0.49	
<b>Sub Total (B)</b>		<b>1320</b>	<b>957</b>	<b>1035</b>	<b>1049</b>	<b>22.47</b>	<b>936</b>	<b>22.97</b>	<b>-0.49</b>	
C. NHPC	Chamera I HPS (3*180)	540	534	539	0	4.13	172	4.00	0.13	
	Chamera II HPS (3*100)	300	300	302	100	4.54	189	4.42	0.12	
	Chamera III HPS (3*77)	231	229	219	0	2.99	125	2.85	0.14	
	Bairasuli HPS(3*60)	180	179	122	60	1.19	49	1.16	0.02	
	Salal-HPS (6*115)	690	538	669	498	13.35	556	12.88	0.48	
	Tanakpur-HPS (3*40)	94	78	89	81	2.05	85	1.89	0.16	
	Uri-I HPS (4*120)	480	171	310	162	4.54	189	4.09	0.45	
	Uri-II HPS (4*60)	240	104	161	86	2.69	112	2.50	0.18	
	Dhauliganga-HPS (4*70)	280	280	286	142	4.19	174	4.11	0.07	
	Dulhasti-HPS (3*130)	390	386	391	400	9.42	392	9.26	0.15	
	Sewa-II HPS (3*40)	120	119	130	0	0.52	22	0.45	0.07	
	Parbati 3 (4*130)	520	390	0	0	1.47	61	1.43	0.04	
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3308</b>	<b>3217</b>	<b>1530</b>	<b>51</b>	<b>2127</b>	<b>49</b>	<b>2</b>	
	D. SJVNL	NJPC (6*250)	1500	1350	1352	1070	25.31	1055	25.08	0.22
Rampur HEP (6*68.67)		412	432	373	300	7.28	303	6.92	0.36	
<b>Sub Total (D)</b>		<b>1912</b>	<b>1782</b>	<b>1725</b>	<b>1370</b>	<b>32.58</b>	<b>1358</b>	<b>32.00</b>	<b>0.58</b>	
E. THDC	Tehri HPS (4*250)	1000	1080	948	236	6.64	276	6.50	0.14	
	Koteshwar HPS (4*100)	400	92	101	92	2.23	93	2.20	0.03	
	<b>Sub Total (E)</b>	<b>1400</b>	<b>1172</b>	<b>1049</b>	<b>328</b>	<b>8.87</b>	<b>370</b>	<b>8.70</b>	<b>0.17</b>	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	947	1436	643	22.82	951	22.73	0.10	
	Dehar HPS (6*165)	990	419	825	560	10.09	420	10.06	0.03	
	Pong HPS (6*66)	396	363	384	384	8.69	362	8.71	-0.02	
	<b>Sub Total (F)</b>	<b>2765</b>	<b>1729</b>	<b>2645</b>	<b>1587</b>	<b>41.60</b>	<b>1733</b>	<b>41.49</b>	<b>0.11</b>	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	54	42	1.21	51	1.16	0.06	
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	750	600	14.25	594	14.17	0.08	
	Malana Stg-II HPS (2*50)	100	0	110	35	1.08	45	1.01	0.06	
	Shree Cement TPS (2*150)	300	0	147	147	3.39	141	3.42	-0.03	
	Budhil HPS(IPP) (2*35)	70	0	70	0	0.92	38	0.95	-0.04	
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1130</b>	<b>823</b>	<b>20.85</b>	<b>869</b>	<b>20.72</b>	<b>0.14</b>	
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>19398</b>	<b>18977</b>	<b>14968</b>	<b>362.31</b>	<b>15096</b>	<b>361.94</b>	<b>0.37</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	1080	900	24.31	1013	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	120	170	3.05	127	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	790	729	18.71	780	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	1367	1380	31.63	1318	
	Talwandi Saboo (1*660)	660	0	663	11.17	465	
	<b>Thermal (Total)</b>	<b>4700</b>	<b>3357</b>	<b>3842</b>	<b>88.86</b>	<b>3702</b>	
	Total Hydro	1000	649	712	17.22	718	
	<b>Total Punjab</b>	<b>5700</b>	<b>4006</b>	<b>4554</b>	<b>106.08</b>	<b>4420</b>	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	499	457	11.19	466	
Faridabad GPS (NTPC)		432	295	300	7.33	305	
RGTPP (khedra) (IPP) (2*600)		1200	737	776	19.23	801	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	370	372	8.35	348	
<b>Thermal (Total)</b>		<b>4944</b>	<b>1901</b>	<b>1905</b>	<b>46.10</b>	<b>1921</b>	
Total Hydro		62	29	31	0.72	30	
<b>Total Haryana</b>		<b>5006</b>	<b>1930</b>	<b>1936</b>	<b>46.81</b>	<b>1950</b>	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	967	949	23.39	975
		suratgarh TPS (6*250)	1500	1104	1144	27.83	1159
		Chabra TPS (4*250)	1000	373	392	9.15	381
		Dholpur GPS (3*110)	330	87	86	2.11	88
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	138	187	4.53	189	
	RAPS A (NPC) (1*100+1*200)	300	161	162	3.98	166	
	Barsingar (NLC) (2*125)	250	186	191	4.42	184	
	Giral LTPS (2*125)	250	65	58	1.20	50	
	Rajwest LTPS (IPP) (8*135)	1080	511	902	17.28	720	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1075	1017	24.76	1032	
	Kawai(Adani) (2*660)	1320	438	510	11.62	484	
	<b>Thermal (Total)</b>	<b>8876</b>	<b>5105</b>	<b>5598</b>	<b>130</b>	<b>5428</b>	
	Total Hydro	550	184	186	4.18	174	
	Wind power	3214	406	625	12.43	518	
	Biomass	99	12	12	0.30	12	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	418	637	12.72	530	
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5707</b>	<b>6421</b>	<b>147.17</b>	<b>6132</b>	
	UP	Anpara TPS (3*210+2*500)	1630	1054	885	21.50	896
Obra TPS (2*50+2*94+5*200)		1194	463	471	10.90	454	
Paricha TPS (2*110+2*220+2*250)		1140	611	626	14.60	608	
Panki TPS (2*105)		210	68	72	1.60	67	
Harduaganj TPS (1*60+1*105+2*250)		665	434	443	10.30	429	
Tanda TPS (NTPC) (4*110)		440	188	176	4.49	187	
Roza TPS (IPP) (4*300)		1200	1080	1103	26.20	1092	
Anpara-C (IPP) (2*600)		1200	1080	603	23.10	963	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	403	403	9.40	392	
Anpara-D(1*500)		500	146	185	3.90	163	
Lalitpur TPS(1*660)		660	0	0	0.00	0	
<b>Thermal (Total)</b>		<b>9289</b>	<b>5527</b>	<b>4967</b>	<b>126</b>	<b>5250</b>	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.30	429	
Alaknanda(4*82.5)		330	215	260	5.70	238	
Other Hydro		527	80	61	1.40	58	
Cogeneration		981	50	50	1.20	50	
<b>Total UP</b>		<b>11567</b>	<b>6307</b>	<b>5773</b>	<b>145</b>	<b>6025</b>	
Uttarakhand	Total Hydro	1398	904	790	20.45	852	
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>904</b>	<b>790</b>	<b>20.45</b>	<b>852</b>	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.04	-2	
	Delhi Gas Turbine (6x30 + 3x34)	282	37	36	0.85	35	
	Prahati Gas Turbine (2x104+ 1x122)	330	262	261	6.20	258	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	252	258	6.12	255	
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	335	11.43	476	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>881</b>	<b>890</b>	<b>24.56</b>	<b>1023</b>	
	<b>Total Delhi</b>	<b>2917</b>	<b>881</b>	<b>890</b>	<b>24.56</b>	<b>1023</b>	
HP	Baspa HPS (IPP) (3*100)	300	156	146	4.85	202	
	Malana HPS (IPP) (2*43)	86	87	54	0.99	41	
	Other Hydro	878	343	345	8.25	344	
	<b>Total HP</b>	<b>1264</b>	<b>586</b>	<b>545</b>	<b>14.09</b>	<b>587</b>	
J & K	Baqilhar HPS (IPP) (3*150)	450	450	450	10.80	450	
	Other Hydro/IPP	560	98	99	2.39	99	
	Gas/Diesel/Others	190	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1200</b>	<b>548</b>	<b>549</b>	<b>13.19</b>	<b>549</b>	
<b>Total State Control Area Generation</b>		<b>42521</b>	<b>20869</b>	<b>21458</b>	<b>516.93</b>	<b>21539</b>	
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>8102</b>	<b>9838</b>	<b>225.90</b>	<b>9413</b>	
<b>Total Regional Availability(Gross)</b>		<b>67758</b>	<b>47948</b>	<b>46264</b>	<b>1105.15</b>	<b>46048</b>	

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	10367	5912	161.71	6738
State Control Area Hydro	6581	3630	3569	87	3635
<b>Total Regional Hydro</b>	<b>18815</b>	<b>13997</b>	<b>9481</b>	<b>248.95</b>	<b>10373</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)	-50	-150	250	0	3.02	0.00	3.02		
765 KV Gwalior-Agra (D/C)	2831	3230	3414	0	72.63	0.00	72.63		
400 KV Zerda-Kankroli	40	92	92	133	0.00	1.13	-1.13		
400 KV Zerda-Bhinmal	85	153	196	169	0.66	0.00	0.66		
220 KV Auraiya-Malanpur	-5	-27	74	5	0.85	0.00	0.85		
220 KV Badod-Kota/Morak	-2	83	98	29	0.88	0.00	0.88		
Mundra-Mohindergarh(HVDC Bipole)	2501	2497	2504	0	60.44	0.00	60.44		
400 KV Vindhychal - Rihand	337	176	475	0	7.15	0.00	7.15		
765 kV Phagi-Gwalior (D/C)	876	1159	1250	0	23.12	0.00	23.12		
<b>Sub Total WR</b>	<b>6613</b>	<b>7213</b>			<b>168.74</b>	<b>1.13</b>	<b>167.62</b>		
Pusauli Bypass/HVDC	400	400	400	0	9.03	0.00	9.03		
400 KV MZP- GKP (D/C)	176	398	570	0	9.47	0.00	9.47		
400 KV Patna-Balia(D/C) X 2	524	642	740	0	15.35	0.00	15.35		
400 KV B'Sharif-Balia (D/C)	-224	351	415	0	8.14	0.00	8.14		
765 KV Pusauli-Balia	281	339	398	0	4.17	0.00	4.17		
765 KV Gaya-Fatehpur	88	141	240	0	3.32	0.00	3.32		
220 KV Pusauli-Sahupuri	155	134	211	0	3.82	0.00	3.82		
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00		
132 KV Son Ngr-Rihand	-40	-39	0	44	0.00	0.92	-0.92		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-109	-15	97	153	0.00	0.54	-0.54		
400 KV Barh -GKP (D/C)	238	274	319	0	6.47	0.00	6.47		
<b>Sub Total ER</b>	<b>1489</b>	<b>2625</b>			<b>59.75</b>	<b>1.47</b>	<b>58.29</b>		
+/- 800 KV BiswanathChariali-Agra	0	0	0	0	0	0	0		
<b>Sub Total NER</b>	<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>	<b>0</b>		
<b>Total IR Exch</b>	<b>8102</b>	<b>9838</b>			<b>228.50</b>	<b>2.59</b>	<b>225.90</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
46.28	3.50	49.78	9.52	19.81	14.89	30.86	1.09	-1.09

  

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR incldns Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
75.28	147.34	222.61	58.29	167.62	225.90	-16.99	20.28	3.29

**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	-5	0	0	8	0	0	0	-0.02	

**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	14.73	65.30	71.68	9.68	3.97	0.00	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	Time					
50.18	6.02	49.76	18.55	49.97	0.055	0.069	50.20	49.95	

**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	403	17:27	396	09:33	0.0	0.0	0.0	0.0
Gorakhpur	400	415	18:01	400	05:35	0.0	0.0	0.0	0.0
Barilly	400	405	00:00	400	00:10	0.0	0.0	0.0	0.0
Kanpur	400	419	18:00	405	11:25	0.0	0.0	0.0	0.0
Dadri	400	413	18:00	398	11:23	0.0	0.0	0.0	0.0
Ballabgarh	400	420	18:00	403	11:25	0.0	0.0	0.0	0.0
Bawana	400	419	18:01	403	11:29	0.0	0.0	0.0	0.0
Bassi	400	425	18:01	403	00:08	0.0	0.0	5.8	0.0
Hissar	400	418	18:01	400	11:24	0.0	0.0	0.0	0.0
Moga	400	413	04:01	400	19:09	0.0	0.0	0.0	0.0
Abdullapur	400	422	06:01	407	13:41	0.0	0.0	1.7	0.0
Nalagarh	400	426	06:01	411	14:30	0.0	0.0	30.1	0.0
Kishenpur	400	421	04:00	400	19:09	0.0	0.0	0.4	0.0
Wagoora	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Amritsar	400	418	04:01	399	19:07	0.0	0.0	0.0	0.0
Kashipur	400	418	18:01	406	10:29	0.0	0.0	0.0	0.0
Hamirpur	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Rishikesh	400	406	18:03	378	10:31	1.2	19.6	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	786	18:01	759	11:25	0.0	0.0	0.0	0.0
Balia	765	771	18:02	745	11:26	0.0	0.0	0.0	0.0
Moga	765	800	18:01	774	11:24	0.0	0.0	0.0	0.0
Agra	765	790	18:01	763	00:10	0.0	0.0	0.0	0.0
Bhiwani	765	797	18:00	771	11:25	0.0	0.0	0.0	0.0
Unnao	765	761	18:01	733	11:25	0.0	23.0	0.0	0.0
Lucknow	765	777	18:02	742	11:28	0.0	0.0	0.0	0.0
Meerut	765	805	18:01	770	11:25	0.0	0.0	0.7	0.0
Jhatikara	765	797	18:00	768	11:23	0.0	0.0	0.0	0.0
Barilly	765	767	03:00	741	10:30	0.0	0.1	0.0	0.0
Anta	765	768	00:00	768	00:00	0.0	0.0	0.0	0.0
Phagi	765	792	18:00	749	13:42	0.0	0.0	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	511.13	1605.30	511.58	1620.46	566.90	688.13
Pong	426.72	384.05	421.17	946.20	416.87	755.83	112.79	500.30
Tehri	829.79	740.04	822.40	1052.96	821.20	1027.60	199.78	147.00
Koteshwar	612.50	598.50	610.84	4.95	612.10	5.73	147.00	147.21
Chamera-I	760.00	748.75	753.80	0.00	0.00	0.00	141.05	112.03
Rihand	268.22	252.98	851.80	284.70	856.90	371.10	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	511.77	7.28	517.27	10.79	149.26	274.96

\* 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	286	121	0	532	115	0	8.84	3.56	12.40
Delhi	148	180	0	540	7	0	7.93	6.29	14.23
Haryana	1730	208	0	1580	218	0	40.69	2.96	43.66
HP	-539	-136	0	-388	-414	0	-10.78	-5.42	-16.19
J&K	-471	65	0	-471	264	0	-11.11	3.78	-7.34
CHD	0	0	0	0	0	0	0.00	0.52	0.52
Rajasthan	-573	1474	2	-577	507	0	-13.76	23.58	9.82
UP	612	983	0	497	0	0	12.58	12.78	25.36
Uttarakhand	-94	201	0	-249	374	0	-2.96	6.75	3.79
<b>Total</b>	<b>1099</b>	<b>3097</b>	<b>2</b>	<b>1464</b>	<b>1071</b>	<b>0</b>	<b>31.44</b>	<b>54.81</b>	<b>86.25</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	534	286	197	113	0	0
Delhi	590	111	768	-35	0	0
Haryana	1756	1580	232	-403	0	0
HP	-388	-640	-59	-550	0	0
J&K	-442	-471	304	-35	0	0
CHD	0	0	59	0	0	0
Rajasthan	-567	-577	1675	494	2	0
UP	758	410	983	0	0	0
Uttarakhand	-80	-249	443	162	0	0

**XI. System Constraints:**

**XII. Grid Disturbance / Any Other Significant Event:**

**XIII. Weather Conditions For 18.09.2015 :**

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 :**