

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पब्लिसिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 14.09.2015  
Date of Reporting : 15.09.2015

### 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
49943	2602	52546	49.84	47389	877	48266	50.00	1141.2	64.98

\* 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	99.37	19.33		118.70	103.30	-0.63	222.00	0.00	
Haryana	61.49	0.75		62.24	125.50	-2.61	185.13	0.00	
Rajasthan	130.69	4.50	17.69	152.88	69.50	-69.16	222.04	0.24	
Delhi	26.18			26.18	87.29	-87.06	113.24	0.01	
UP	126.65	21.72		148.37	136.36	-142.44	290.80	54.33	
Uttarakhand		20.60		20.60	17.65	-19.08	39.68	0.00	
HP		18.56		18.56	6.54	-6.43	25.00	1.59	
J & K		13.26	0.00	13.26	23.15	-24.04	37.30	8.81	
Chandigarh				0.00	6.19	-5.99	5.99	0.00	
<b>Total</b>	<b>444.37</b>	<b>98.72</b>	<b>17.69</b>	<b>560.78</b>	<b>576.12</b>	<b>580.39</b>	<b>1141.18</b>	<b>64.98</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	9571	0	-77	608	8536	0	119	757	9766
Haryana	8855	0	-189	1669	7855	0	252	1851	8855
Rajasthan	9108	0	-366	699	9747	0	47	994	10344
Delhi	4653	0	-88	409	4440	0	57	113	5272
UP	12663	2160	189	503	12909	640	184	1054	12980
Uttarakhand	1861	0	-13	116	1443	0	35	215	1861
HP	1189	0	21	-1058	907	0	-97	-854	1266
J&K	1770	442	-102	-182	1342	237	19	-332	1848
Chandigarh	275	0	-13	0	209	0	6	15	306
<b>Total</b>	<b>49943</b>	<b>2602</b>	<b>-639</b>	<b>2763</b>	<b>47389</b>	<b>877</b>	<b>622</b>	<b>3813</b>	<b>49943</b>

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

Diversity is 1.05

### 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	1698	1831	1832	41.40	1725	40.76	0.63
	Rihand I STPS (2*500)	1000	783	857	847	18.60	775	18.65	-0.04
	Rihand II STPS (2*500)	1000	953	995	1042	23.24	968	22.62	0.62
	Rihand III STPS (2*500)	1000	480	513	518	11.37	474	11.35	0.02
	Dadri I STPS (4*210)	840	600	581	571	13.67	570	14.34	-0.67
	Dadri II STPS (2*490)	980	970	870	896	20.84	868	22.41	-1.58
	Unchahar I TPS (2*210)	420	395	408	432	9.13	380	9.21	-0.09
	Unchahar II TPS (2*210)	420	400	392	438	9.25	385	9.22	0.03
	Unchahar III TPS (1*220)	210	200	218	209	4.66	194	4.52	0.14
	ISTPP (Jhajjar) (3*500)	1500	1436	720	707	16.19	675	15.13	1.06
	Dadri GPS (4*130.19+2*154.51)	830	800	338	367	8.51	355	8.64	-0.13
	Anta GPS (3*88.71+1*153.2)	419	391	0	0	0.00	0	0.00	0.00
	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	0.02	1	0.06	-0.04
	Singrauli Solar	15	3	0	0	0.01	0	0.08	-0.07
	KHEP	800	835	786	0	11.95	498	11.74	0.22
	<b>Sub Total (A)</b>	<b>12112</b>	<b>10583</b>	<b>8509</b>	<b>7859</b>	<b>189</b>	<b>7869</b>	<b>189</b>	<b>0</b>
	B. NPC	NAPS (2*220)	440	378	378	378	9.07	378	9.07
RAPS- B (2*220)		440	186	211	209	4.46	186	4.46	-0.01
RAPS- C (2*220)		440	410	429	431	9.24	385	9.84	-0.60
<b>Sub Total (B)</b>		<b>1320</b>	<b>974</b>	<b>1018</b>	<b>1018</b>	<b>22.77</b>	<b>949</b>	<b>23.38</b>	<b>-0.60</b>
C. NHPC	Chamera I HPS (3*180)	540	534	545	0	6.84	285	6.80	0.24
	Chamera II HPS (3*100)	300	300	302	201	5.57	232	5.44	0.13
	Chamera III HPS (3*77)	231	229	229	81	3.77	157	3.64	0.14
	Bairasuli HPS(3*60)	180	179	181	0	1.31	55	1.15	0.16
	Salal-HPS (6*115)	690	583	673	658	15.04	627	13.92	1.13
	Tanakpur-HPS (3*40)	94	87	92	93	2.23	93	2.09	0.14
	Uri-I HPS (4*120)	480	189	147	159	5.10	213	4.53	0.57
	Uri-II HPS (4*60)	240	112	182	115	2.76	115	2.68	0.08
	Dhauliganga-HPS (4*70)	280	280	289	226	5.09	212	4.83	0.26
	Dulhasti-HPS (3*130)	390	386	403	399	9.44	393	9.26	0.18
	Sewa-II HPS (3*40)	120	119	124	0	0.41	17	0.37	0.04
	Parbati 3 (4*130)	520	390	263	0	2.13	89	2.08	0.05
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3388</b>	<b>3431</b>	<b>1932</b>	<b>60</b>	<b>2487</b>	<b>57</b>	<b>3</b>
	D. SJVNL	NJPC (6*250)	1500	1398	1333	1370	32.88	1370	32.99
Rampur HEP (6*68.67)		412	442	376	374	9.12	380	9.19	-0.06
<b>Sub Total (D)</b>		<b>1912</b>	<b>1840</b>	<b>1709</b>	<b>1744</b>	<b>42.00</b>	<b>1750</b>	<b>42.18</b>	<b>-0.18</b>
E. THDC	Tehri HPS (4*250)	1000	1080	1002	0	6.64	276	6.50	0.14
	Koteshwar HPS (4*100)	400	92	98	90	2.27	95	2.20	0.07
	<b>Sub Total (E)</b>	<b>1400</b>	<b>1172</b>	<b>1100</b>	<b>90</b>	<b>8.91</b>	<b>371</b>	<b>8.70</b>	<b>0.21</b>
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	969	1305	674	23.14	964	23.25	-0.11
	Dehar HPS (6*165)	990	585	825	560	14.18	591	14.04	0.14
	Pong HPS (6*66)	396	318	324	324	7.66	319	7.63	0.02
	<b>Sub Total (F)</b>	<b>2765</b>	<b>1872</b>	<b>2454</b>	<b>1558</b>	<b>44.97</b>	<b>1874</b>	<b>44.92</b>	<b>0.05</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	110	112	2.24	94	2.16	0.09
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1000	850	18.79	783	18.36	0.43
	Malana Stg-II HPS (2*50)	100	0	110	60	1.65	69	1.56	0.09
	Shree Cement TPS (2*150)	300	0	146	147	3.50	146	3.49	0.00
	Budhil HPS(IPP) (2*35)	70	0	37	37	0.66	27	1.09	-0.43
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1403</b>	<b>1206</b>	<b>26.84</b>	<b>1118</b>	<b>26.66</b>	<b>0.18</b>
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>19829</b>	<b>19623</b>	<b>15407</b>	<b>394.04</b>	<b>16418</b>	<b>391.19</b>	<b>2.85</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	1160	1060	25.89	1079	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	315	290	6.38	266	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	947	782	19.49	812	
	Goindwal(GVK)	0	0	0	0.00	0	
	Rajpura (2*700)	1400	1386	1381	31.79	1325	
	Talwandi Saboo (1*660)	660	658	666	15.83	660	
	<b>Thermal (Total)</b>	<b>4700</b>	<b>4466</b>	<b>4179</b>	<b>99.37</b>	<b>4141</b>	
	Total Hydro	1000	883	741	19.33	806	
	<b>Total Punjab</b>	<b>5700</b>	<b>5349</b>	<b>4920</b>	<b>118.70</b>	<b>4946</b>	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	448	449	9.99	416
DCRTPP (Yamuna nagar) (2*300)		600	494	452	11.52	480	
Faridabad GPS (NTPC)		432	317	327	8.24	343	
RGTPP (khedra) (IPP) (2*600)		1200	976	839	22.03	918	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	404	373	9.70	404	
<b>Thermal (Total)</b>		<b>4944</b>	<b>2639</b>	<b>2440</b>	<b>61.49</b>	<b>2562</b>	
Total Hydro		62	31	32	0.75	31	
<b>Total Haryana</b>		<b>5006</b>	<b>2670</b>	<b>2472</b>	<b>62.24</b>	<b>2593</b>	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	988	962	23.71	988
		suratgarh TPS (6*250)	1500	1197	1136	28.33	1180
		Chabra TPS (4*250)	1000	401	357	9.16	382
		Dholpur GPS (3*110)	330	87	88	2.13	89
	Ramgarh GPS (1*37.5 + 1*35.5 + 2*37.5 + 1*110 + 1*50)	271	178	204	4.50	188	
	RAPS A (NPC) (1*100+1*200)	300	159	161	3.94	164	
	Barsingar (NLC) (2*125)	250	183	184	4.27	178	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	800	724	18.13	756	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1019	981	23.77	990	
	Kawai(Adani) (2*660)	1320	510	437	12.74	531	
	<b>Thermal (Total)</b>	<b>8876</b>	<b>5522</b>	<b>5234</b>	<b>131</b>	<b>5445</b>	
	Total Hydro	550	138	226	4.50	188	
	Wind power	3214	461	982	14.39	600	
	Biomass	99	0	0	0.70	29	
	Solar	730	0	0	2.60	108	
	Renewable/Others (Total)	4043	461	982	17.69	737	
	<b>Total Rajasthan</b>	<b>13469</b>	<b>6121</b>	<b>6442</b>	<b>152.88</b>	<b>6370</b>	
	UP	Anpara TPS (3*210+2*500)	1630	1333	1192	30.11	1255
Obra TPS (2*50+2*94+5*200)		1194	427	445	10.43	434	
Paricha TPS (2*110+2*220+2*250)		1140	658	626	14.95	623	
Panki TPS (2*105)		210	68	0	1.33	55	
Harduaganj TPS (1*60+1*105+2*250)		665	497	435	10.75	448	
Tanda TPS (NTPC) (4*110)		440	185	188	4.56	190	
Roza TPS (IPP) (4*300)		1200	1107	1098	26.42	1101	
Anpara-C (IPP) (2*600)		1200	540	1080	16.66	694	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	405	403	9.36	390	
Anpara-D(1*500)		500	0	174	0.89	37	
Lalitpur TPS(1*660)		660	0	0	0.00	0	
<b>Thermal (Total)</b>		<b>9289</b>	<b>5220</b>	<b>5641</b>	<b>125</b>	<b>5227</b>	
Vishnuparyag HPS (IPP)(4*110)		440	435	316	10.48	437	
Alaknanda(4*82.5)		330	259	816	7.07	295	
Other Hydro		527	151	65	4.17	174	
Cogeneration		981	50	50	1.20	50	
<b>Total UP</b>		<b>11567</b>	<b>6115</b>	<b>6888</b>	<b>148</b>	<b>6182</b>	
Uttarakhand	Total Hydro	1398	927	783	20.60	858	
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>927</b>	<b>783</b>	<b>20.60</b>	<b>858</b>	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	37	37	6.39	266	
	Prahati Gas Turbine (2x104+ 1x122)	330	260	258	6.39	266	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	270	270	6.51	271	
	Badarpur TPS (NTPC) (3*95+2*210)	705	321	331	6.89	287	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>888</b>	<b>896</b>	<b>26.18</b>	<b>1091</b>	
	<b>Total Delhi</b>	<b>2917</b>	<b>888</b>	<b>896</b>	<b>26.18</b>	<b>1091</b>	
HP	Baspa HPS (IPP) (3*100)	300	330	300	7.37	307	
	Malana HPS (IPP) (2*43)	86	89	68	1.39	58	
	Other Hydro	878	426	419	9.80	408	
	<b>Total HP</b>	<b>1264</b>	<b>845</b>	<b>787</b>	<b>18.56</b>	<b>773</b>	
J & K	Baqilhar HPS (IPP) (3*150)	450	450	450	10.80	450	
	Other Hydro/IPP	560	120	92	2.46	102	
	Gas/Diesel/Others	190	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1200</b>	<b>570</b>	<b>542</b>	<b>13.26</b>	<b>552</b>	
<b>Total State Control Area Generation</b>		<b>42521</b>	<b>23485</b>	<b>23730</b>	<b>560.78</b>	<b>23366</b>	
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>7759</b>	<b>9192</b>	<b>199.75</b>	<b>8323</b>	
<b>Total Regional Availability(Gross)</b>		<b>67758</b>	<b>50867</b>	<b>48329</b>	<b>1154.57</b>	<b>48107</b>	

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	10699	6346	190.21	7926
State Control Area Hydro	6581	4239	4308	99	4113
<b>Total Regional Hydro</b>	<b>18815</b>	<b>14938</b>	<b>10654</b>	<b>288.94</b>	<b>12039</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	Import	Export	
Vindhychal(HVDC B/B)	100	100	100	25	2.41	0.03	2.38		
765 KV Gwalior-Agra (D/C)	2456	2931	3128	0	62.56	0.00	62.56		
400 KV Zerda-Kankroli	74	-31	-54	131	0.00	1.14	-1.14		
400 KV Zerda-Bhinmal	-40	76	-113	113	0.06	0.00	0.06		
220 KV Auraiya-Malanpur	-66	-33	0	79	0.00	1.03	-1.03		
220 KV Badod-Kota/Morak	-19	32	52	62	0.00	0.10	-0.10		
Mundra-Mohindergarh(HVDC Bipole)	2500	2502	2517	0	59.16	0.00	59.16		
400 KV Vindhychal - Rihand	500	308	507	0	11.25	0.00	11.25		
765 kV Phagi-Gwalior (D/C)	1048	1231	1315	0	27.98	0.00	27.98		
<b>Sub Total WR</b>	<b>6553</b>	<b>7116</b>			<b>163.42</b>	<b>2.30</b>	<b>161.12</b>		
Pusauli Bypass/HVDC	400	400	400	0	8.66	0.00	8.66		
400 KV MZP- GKP (D/C)	220	460	462	0	7.68	0.00	7.68		
400 KV Patna-Balia(D/C) X 2	336	449	526	0	9.79	0.00	9.79		
400 KV B'Sharif-Balia (D/C)	126	306	306	0	4.89	0.00	4.89		
765 KV Pusauli-Balia	138	259	259	0	2.33	0.00	2.33		
765 KV Gaya-Fatehpur	90	151	320	0	3.86	0.00	3.86		
220 KV Pusauli-Sahupuri	-162	-160	0	200	0.00	3.78	-3.78		
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96		
132 KV Son Ngr-Rihand	-42	-25	0	43	0.00	0.82	-0.82		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-128	-19	158	175	0.00	0.08	-0.08		
400 KV Barh -GKP (D/C)	228	255	272	0	5.14	0.00	5.14		
<b>Sub Total ER</b>	<b>1206</b>	<b>2076</b>			<b>43.31</b>	<b>4.68</b>	<b>38.63</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>7759</b>	<b>9192</b>			<b>206.73</b>	<b>6.98</b>	<b>199.75</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
34.41	3.65	38.06	11.11	16.26	10.58	25.98	2.26	-2.26
<b>Total IR Schedule (MU)</b>			<b>Total IR Actual (MU)</b>		<b>Net IR UI (MU)</b>			
Through ER	Through WR Inclds Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
62.01	138.04	200.05	38.63	161.12	199.75	-23.37	23.08	-0.30

**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	Import	Export	
132 KV Tanakpur - Mahendarnagar	-8	0	0	10	0	0	-0.05		

**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	0.41	7.69	41.39	85.75	54.11	3.55	0.97	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					
50.20	6.03	49.66	16.38	49.92	0.133	0.080	50.12	49.84	

**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	400	00:00	398	04:18	0.0	0.0	0.0	0.0
Gorakhpur	400	416	16:09	398	19:14	0.0	0.0	0.0	0.0
Barilly	400	414	18:01	394	14:38	0.0	0.0	0.0	0.0
Kanpur	400	415	18:00	400	23:07	0.0	0.0	0.0	0.0
Dadri	400	413	06:01	394	14:35	0.0	0.0	0.0	0.0
Ballabhgarh	400	418	06:01	397	14:44	0.0	0.0	0.0	0.0
Bawana	400	416	06:05	398	14:37	0.0	0.0	0.0	0.0
Bassi	400	419	18:00	393	23:08	0.0	0.0	0.0	0.0
Hissar	400	412	06:02	394	14:13	0.0	0.0	0.0	0.0
Moga	400	410	06:02	394	14:13	0.0	0.0	0.0	0.0
Abdullapur	400	418	06:02	398	14:43	0.0	0.0	0.0	0.0
Nalagarh	400	419	06:02	400	14:44	0.0	0.0	0.0	0.0
Kishenpur	400	418	03:42	401	19:39	0.0	0.0	0.0	0.0
Wagoora	400	411	04:03	381	20:08	0.0	13.3	0.0	0.0
Amritsar	400	412	04:01	395	14:13	0.0	0.0	0.0	0.0
Kashipur	400	417	18:01	406	14:39	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	400	06:02	373	14:44	2.0	52.5	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	770	06:03	741	23:08	0.0	0.1	0.0	0.0
Balia	765	775	10:29	750	19:09	0.0	0.0	0.0	0.0
Moga	765	788	18:00	760	14:36	0.0	0.0	0.0	0.0
Agra	765	784	06:03	746	23:07	0.0	0.0	0.0	0.0
Bhiwani	765	794	06:02	760	14:13	0.0	0.0	0.0	0.0
Unnao	765	763	18:01	736	23:08	0.0	6.8	0.0	0.0
Lucknow	765	771	16:05	744	19:08	0.0	0.0	0.0	0.0
Meerut	765	798	06:02	758	14:43	0.0	0.0	0.0	0.0
Jhatikara	765	792	06:01	757	23:07	0.0	0.0	0.0	0.0
Barilly	765	770	06:03	1	08:28	4.4	4.4	0.0	0.0
Anta	765	768	11:44	768	11:44	0.0	0.0	0.0	0.0
Phagi	765	783	18:02	746	23:09	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	511.31	1605.30	511.46	1620.46	681.39	675.89
Pong	426.72	384.05	421.70	975.89	416.75	743.22	136.26	439.53
Tehri	829.79	740.04	821.65	1035.00	820.05	1002.27	233.10	147.00
Koteshwar	612.50	598.50	610.83	5.00	611.65	5.46	147.00	149.76
Chamera-I	760.00	748.75	753.35	0.00	0.00	0.00	180.95	185.35
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	512.97	8.81	518.28	2.09	163.71	413.95

\* 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	608	149	0	606	2	0	14.59	7.66	22.25
Delhi	259	-146	0	545	-136	0	8.74	0.25	9.00
Haryana	1754	97	0	1754	-85	0	42.09	-1.01	41.08
HP	-868	13	0	-691	-368	0	-17.99	-3.63	-21.62
J&K	-446	115	0	-446	264	0	-10.71	5.06	-5.65
CHD	0	15	0	0	0	0	0.00	0.68	0.68
Rajasthan	-573	1565	2	-577	1274	2	-13.71	28.13	14.43
UP	563	491	0	503	0	0	11.82	2.46	14.28
Uttarakhand	-94	308	0	-249	365	0	-3.21	7.30	4.09
<b>Total</b>	<b>1204</b>	<b>2607</b>	<b>2</b>	<b>1446</b>	<b>1315</b>	<b>2</b>	<b>31.63</b>	<b>46.91</b>	<b>78.54</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	608	606	695	0	0	0
Delhi	719	73	292	-335	0	0
Haryana	1754	1754	138	-502	0	0
HP	-691	-868	13	-485	0	0
J&K	-446	-446	388	-35	0	0
CHD	0	0	69	0	0	0
Rajasthan	-538	-577	1663	467	2	2
UP	606	384	491	0	0	0
Uttarakhand	-80	-249	375	213	0	0

**XI. System Constraints:**

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

**XIII. Weather Conditions For 14.09.2015 :**

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 :**