

# पॉवर 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 21.09.2015  
Date of Reporting : 22.09.2015

### 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
43338	1871	45209	50.06	37673	231	37904	50.14	940.1	41.22

\* 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	33.49	13.86		47.35	72.34	73.47	1.12	120.82	0.00
Haryana	28.61	0.78		29.39	102.31	101.67	-0.65	131.06	0.00
Rajasthan	113.37	0.77	10.09	124.24	62.68	63.49	0.81	187.73	0.00
Delhi	22.03			22.03	83.93	82.89	-1.04	104.92	0.08
UP	135.87	17.65		153.52	135.94	138.82	2.88	292.34	31.76
Uttarakhand		21.66		21.66	14.12	15.46	1.34	37.12	0.33
HP		14.97		14.97	9.65	8.20	-1.45	23.17	0.00
J & K		16.48	0.00	16.48	20.42	21.64	1.21	38.11	9.05
Chandigarh				0.00	4.97	4.83	0.27	4.83	0.00
<b>Total</b>	<b>333.38</b>	<b>86.17</b>	<b>10.09</b>	<b>429.64</b>	<b>506.37</b>	<b>510.47</b>	<b>4.50</b>	<b>940.11</b>	<b>41.22</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	5587	0	-239	413	4455	0	161	541	5897
Haryana	7187	16	-6	1937	4699	0	-222	1897	7237
Rajasthan	8258	0	-294	304	8373	0	149	298	8711
Delhi	4440	0	-19	548	3945	0	-16	629	4930
UP	12947	1230	-193	513	12737	0	195	1059	13338
Uttarakhand	1605	155	17	-237	1380	0	127	87	1797
HP	1194	0	-4	-759	638	0	-479	-488	1203
J&K	1880	470	11	-149	1309	231	-52	-298	2299
Chandigarh	241	0	-18	0	137	0	0	0	249
<b>Total</b>	<b>43338</b>	<b>1871</b>	<b>-745</b>	<b>2570</b>	<b>37673</b>	<b>231</b>	<b>-136</b>	<b>3726</b>	<b>43338</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 :

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
<b>A. NTPC</b>									
Singrauli STPS (5*200+2*500)	2000	1880	2035	1882	44.29	1845	43.73	0.55	
Rihand I STPS (2*500)	1000	820	764	877	18.14	756	18.02	0.12	
Rihand II STPS (2*500)	1000	943	720	731	20.09	837	20.19	-0.10	
Rihand III STPS (2*500)	1000	480	367	380	9.89	412	10.18	-0.29	
Dadri I STPS (4*210)	840	800	653	620	13.37	557	13.61	-0.24	
Dadri II STPS (2*490)	980	970	684	680	15.98	666	16.64	-0.67	
Unchahar I TPS (2*210)	420	197	191	141	3.35	140	3.85	-0.49	
Unchahar II TPS (2*210)	420	400	357	263	6.56	273	7.52	-0.96	
Unchahar III TPS (1*220)	210	200	162	137	3.13	130	3.70	-0.57	
ISTPP (Jhajjar) (3*500)	1500	1436	842	628	14.39	600	14.75	-0.36	
Dadri GPS (4*130.19+2*154.51)	830	800	237	236	5.61	234	5.77	-0.15	
Anta GPS (3*88.71+1*153.2)	419	391	228	162	4.61	192	4.64	-0.03	
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	0.02	0.00	
Unchahar Solar	10	3	0	0	0.03	1	0.06	-0.03	
Singrauli Solar	15	3	0	0	0.02	1	0.08	-0.06	
KHEP	800	845	707	202	13.57	566	11.03	2.55	
<b>Sub Total (A)</b>	<b>12112</b>	<b>10804</b>	<b>7947</b>	<b>6939</b>	<b>173</b>	<b>7210</b>	<b>174</b>	<b>-1</b>	
<b>B. NPC</b>									
NAPS (2*220)	440	370	411	428	9.07	378	8.88	0.19	
RAPS- B (2*220)	440	188	211	213	4.43	185	4.51	-0.08	
RAPS- C (2*220)	440	390	429	434	9.26	386	9.36	-0.10	
<b>Sub Total (B)</b>	<b>1320</b>	<b>948</b>	<b>1051</b>	<b>1075</b>	<b>22.77</b>	<b>949</b>	<b>22.75</b>	<b>0.02</b>	
<b>C. NHPC</b>									
Chamera I HPS (3*180)	540	535	545	0	3.57	149	3.50	0.07	
Chamera II HPS (3*100)	300	300	302	101	4.24	177	4.20	0.04	
Chamera III HPS (3*77)	231	229	226	80	2.65	110	2.56	0.09	
Bairasuli HPS(3*60)	180	179	184	0	1.16	48	1.10	0.06	
Salal-HPS (6*115)	690	455	671	455	11.68	487	11.01	0.67	
Tanakpur-HPS (3*40)	94	82	82	77	2.08	87	1.96	0.12	
Uri-I HPS (4*120)	480	161	312	87	4.29	179	3.85	0.44	
Uri-II HPS (4*60)	240	108	180	89	2.63	110	2.59	0.05	
Dhauliganga-HPS (4*70)	280	280	274	81	3.89	162	3.71	0.18	
Dulhasti-HPS (3*130)	390	386	396	396	9.34	389	9.26	0.07	
Sewa-II HPS (3*40)	120	119	117	0	0.43	18	0.40	0.03	
Parbati 3 (4*130)	520	390	390	0	1.79	75	1.72	0.07	
<b>Sub Total (C)</b>	<b>4065</b>	<b>3224</b>	<b>3678</b>	<b>1367</b>	<b>48</b>	<b>1989</b>	<b>46</b>	<b>2</b>	
<b>D. SJVNL</b>									
NJPC (6*250)	1500	1565	1616	1329	26.25	1094	25.96	0.29	
Rampur HEP (6*68.67)	412	432	444	373	7.50	312	7.15	0.35	
<b>Sub Total (D)</b>	<b>1912</b>	<b>1997</b>	<b>2060</b>	<b>1702</b>	<b>33.75</b>	<b>1406</b>	<b>33.11</b>	<b>0.64</b>	
<b>E. THDC</b>									
Tehri HPS (4*250)	1000	1080	1080	0	8.89	370	8.80	0.09	
Koteshwar HPS (4*100)	400	120	271	91	2.90	121	2.88	0.02	
<b>Sub Total (E)</b>	<b>1400</b>	<b>1200</b>	<b>1351</b>	<b>91</b>	<b>11.79</b>	<b>491</b>	<b>11.68</b>	<b>0.11</b>	
<b>F. BBMB</b>									
Bhakra HPS (2*108+3*126+5*157)	1379	601	1066	515	14.74	614	14.42	0.33	
Dehar HPS (6*165)	990	561	660	600	13.72	572	13.46	0.27	
Pong HPS (6*66)	396	210	318	66	5.04	210	5.05	-0.01	
<b>Sub Total (F)</b>	<b>2765</b>	<b>1372</b>	<b>2044</b>	<b>1181</b>	<b>33.50</b>	<b>1396</b>	<b>32.92</b>	<b>0.58</b>	
<b>G. IPP(s)/JV(s)</b>									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	111	111	1.70	71	1.64	0.07	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	900	600	14.22	593	14.16	0.06	
Malana Stg-II HPS (2*50)	100	0	109	30	0.97	40	0.93	0.04	
Shree Cement TPS (2*150)	300	0	298	287	6.90	287	6.93	-0.04	
Budhil HPS(IPP) (2*35)	70	0	75	0	0.74	31	0.81	-0.07	
Sub Total (G)	1662	0	1493	1028	24.53	1022	24.46	0.07	
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>19545</b>	<b>19623</b>	<b>13383</b>	<b>347.11</b>	<b>14463</b>	<b>344.57</b>	<b>2.54</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	170	170	3.67	153
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	1.89	79
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	181	173	3.68	153
	Goindwal(GVK)	0	0	0	0.00	0
	Rajpura (2*700)	1400	721	702	16.99	708
	Talwandi Saboo (1*660)	660	325	327	7.27	303
	<b>Thermal (Total)</b>	<b>4700</b>	<b>1487</b>	<b>1462</b>	<b>33.49</b>	<b>1396</b>
	Total Hydro	1000	558	558	13.86	578
	<b>Total Punjab</b>	<b>5700</b>	<b>2045</b>	<b>2020</b>	<b>47.35</b>	<b>1973</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	547	453	11.21	467
Faridabad GPS (NTPC)		432	373	314	7.98	332
RGTPP (khedra) (IPP) (2*600)		1200	483	358	9.42	393
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
<b>Thermal (Total)</b>		<b>4944</b>	<b>1403</b>	<b>1125</b>	<b>28.61</b>	<b>1192</b>
Total Hydro		62	30	31	0.78	33
<b>Total Haryana</b>		<b>5006</b>	<b>1433</b>	<b>1156</b>	<b>29.39</b>	<b>1225</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	783	841	19.08
	suratgarh TPS (6*250)	1500	936	1078	22.90	954
	Chabra TPS (4*250)	1000	162	308	6.10	254
	Dholpur GPS (3*110)	330	97	87	2.26	94
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	211	191	4.72	197
	RAPS A (NPC) (1*100+1*200)	300	163	158	3.94	164
	Barsingar (NLC) (2*125)	250	94	95	2.07	86
	Giral LTPS (2*125)	250	64	62	1.23	51
	Rajwest LTPS (IPP) (8*135)	1080	720	950	19.55	815
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1038	1088	19.08	795
	Kawai(Adani) (2*660)	1320	450	577	12.44	518
	<b>Thermal (Total)</b>	<b>8876</b>	<b>4718</b>	<b>5435</b>	<b>113</b>	<b>4724</b>
	Total Hydro	550	24	58	0.77	32
	Wind power	3214	739	214	8.20	342
	Biomass	99	25	25	0.60	25
	Solar	730	0	0	1.30	54
	Renewable/Others (Total)	4043	764	239	10.09	421
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5506</b>	<b>5732</b>	<b>124.24</b>	<b>5176</b>
UP	Anpara TPS (3*210+2*500)	1630	1372	912	28.50	1188
	Obra TPS (2*50+2*94+5*200)	1194	450	459	10.70	446
	Paricha TPS (2*110+2*220+2*250)	1140	654	631	15.40	642
	Panki TPS (2*105)	210	63	68	1.50	63
	Harduaganj TPS (1*60+1*105+2*250)	665	515	445	11.70	488
	Tanda TPS (NTPC) (4*110)	440	180	185	4.27	178
	Roza TPS (IPP) (4*300)	1200	1044	1076	22.81	950
	Anpara-C (IPP) (2*600)	1200	1080	1074	25.76	1073
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	365	253	7.29	304
	Anpara-D(1*500)	500	0	0	0.00	0
	Lalitpur TPS(1*660)	660	392	348	6.74	281
	<b>Thermal (Total)</b>	<b>9289</b>	<b>6115</b>	<b>5451</b>	<b>135</b>	<b>5611</b>
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.05	419
	Alaknanda(4*82.5)	330	192	215	5.28	220
	Other Hydro	527	67	103	2.32	97
	Cogeneration	981	50	50	1.20	50
<b>Total UP</b>	<b>11567</b>	<b>6859</b>	<b>6254</b>	<b>154</b>	<b>6397</b>	
Uttarakhand	Total Hydro	1398	899	912	21.66	902
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>899</b>	<b>912</b>	<b>21.66</b>	<b>902</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.04	-2
	Delhi Gas Turbine (6x30 + 3x34)	282	33	33	0.85	35
	Prahati Gas Turbine (2x104+ 1x122)	330	263	263	6.39	266
	Rihala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	247	249	5.99	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	228	221	8.84	368
	<b>Thermal (Total)</b>	<b>2917</b>	<b>771</b>	<b>766</b>	<b>22.03</b>	<b>918</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>771</b>	<b>766</b>	<b>22.03</b>	<b>918</b>
HP	Baspa HPS (IPP) (3*100)	300	63	233	4.50	187
	Malana HPS (IPP) (2*43)	86	91	46	0.88	37
	Other Hydro	878	404	432	9.60	400
	<b>Total HP</b>	<b>1264</b>	<b>558</b>	<b>711</b>	<b>14.97</b>	<b>624</b>
J & K	Baqilhar HPS (IPP) (3*150)	450	600	600	14.40	600
	Other Hydro/IPP	560	92	78	2.08	87
	Gas/Diesel/Others	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1200</b>	<b>692</b>	<b>678</b>	<b>16.48</b>	<b>687</b>
<b>Total State Control Area Generation</b>		<b>42521</b>	<b>18763</b>	<b>18229</b>	<b>429.64</b>	<b>17902</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>6619.072</b>	<b>6865.07</b>	<b>175.78</b>	<b>7324</b>
<b>Total Regional Availability(Gross)</b>		<b>67758</b>	<b>45006</b>	<b>38477</b>	<b>952.53</b>	<b>39689</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	10960	5284	157.25	6552
State Control Area Hydro	6581	3455	3701	86	3591
<b>Total Regional Hydro</b>	<b>18815</b>	<b>14415</b>	<b>8985</b>	<b>243.42</b>	<b>10143</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)	0	0	0	0	0.00	0.00	0.00	0.00	
765 KV Gwalior-Agra (D/C)	2277	2239	2903	0	55.45	0.00	55.45	0.00	
400 KV Zerda-Kankroli	-39	74	98	86	0.24	0.00	0.24	0.00	
400 KV Zerda-Bhinmal	-27	125	148	91	0.89	0.00	0.89	0.00	
220 KV Auraiya-Malanpur	-16	-11	0	32	0.00	0.07	-0.07	0.00	
220 KV Badod-Kota/Morak	-42	-8	42	61	0.00	0.23	-0.23	0.00	
Mundra-Mohindergarh(HVDC Bipole)	2095	1351	2310	0	42.65	0.00	42.65	0.00	
400 KV Vindhychal - Rihand	475	292	502	0	8.24	0.00	8.24	0.00	
765 kV Phagi-Gwalior (D/C)	973	844	1234	0	24.06	0.00	24.06	0.00	
<b>Sub Total WR</b>	<b>5696</b>	<b>4906</b>			<b>131.53</b>	<b>0.30</b>	<b>131.23</b>		
Pusauli Bypass/HVDC	400	400	400	0	8.95	0.00	8.95	0.00	
400 KV MZP- GKP (D/C)	208	582	597	0	12.42	0.00	12.42	0.00	
400 KV Patna-Balia(D/C) X 2	131	310	391	0	7.24	0.00	7.24	0.00	
400 KV B'Sharif-Balia (D/C)	13	234	278	0	4.52	0.00	4.52	0.00	
765 KV Pusauli-Balia	10	85	140	0	0.89	0.00	0.89	0.00	
765 KV Gaya-Fatehpur	57	88	308	0	3.37	0.00	3.37	0.00	
220 KV Pusauli-Sahupuri	-1	0	0	146	0.00	0.54	-0.54	0.00	
132 KV Knasa-Sahupuri	0	0	0	0	0.96	0.00	0.96	0.00	
132 KV Son Ngr-Rihand	-40	-38	0	40	0.00	0.77	-0.77	0.00	
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00	0.00	
765 KV Sasaram - Fatehpur	-69	31	244	118	1.53	0.00	1.53	0.00	
400 KV Barh -GKP (D/C)	214	267	308	0	5.97	0.00	5.97	0.00	
<b>Sub Total ER</b>	<b>923</b>	<b>1959</b>			<b>45.85</b>	<b>1.30</b>	<b>44.54</b>		
+/- 800 KV BiswanathChariali-Agra	0	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>6619</b>	<b>6865</b>			<b>177.38</b>	<b>1.60</b>	<b>175.78</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
27.84	3.85	31.69	16.85	19.04	1.94	28.58	-0.40	0.40

  

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
50.08	127.07	177.15	44.54	131.23	175.78	-5.54	4.17	-1.37

**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	-29	0	0	29	0	0	-0.09	0.00	

**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	0.21	0.68	7.42	45.50	67.16	18.94	6.38	0.16	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					
50.21	6.02	49.58	18.41	50.00	0.052	0.072	50.18	0.00	

**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	407	16:16	398	00:02	0.0	0.0	0.0	0.0
Gorakhpur	400	417	16:07	395	23:27	0.0	0.0	0.0	0.0
Barilly	400	405	00:00	405	00:00	0.0	0.0	0.0	0.0
Kanpur	400	421	16:06	407	00:02	0.0	0.0	0.3	0.0
Dadri	400	422	16:07	405	00:00	0.0	0.0	3.6	0.0
Ballabgarh	400	426	16:06	411	00:02	0.0	0.0	32.6	0.0
Bawana	400	426	17:03	412	19:24	0.0	0.0	27.6	0.0
Bassi	400	426	16:05	411	19:26	0.0	0.0	36.2	0.0
Hissar	400	425	16:06	409	00:04	0.0	0.0	12.7	0.0
Moga	400	424	14:00	407	19:26	0.0	0.0	21.4	0.0
Abdullapur	400	428	16:07	410	00:00	0.0	0.0	20.0	0.0
Nalagarh	400	432	06:01	419	00:00	0.0	0.0	89.7	11.5
Kishenpur	400	423	04:01	404	19:07	0.0	0.0	17.4	0.0
Wagoora	400	413	00:00	395	00:00	0.0	0.0	0.0	0.0
Amritsar	400	427	14:07	410	18:59	0.0	0.0	46.4	0.0
Kashipur	400	420	16:04	408	00:02	0.0	0.0	0.0	0.0
Hamirpur	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0
Rishikesh	400	416	16:07	374	11:58	1.4	1.4	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	786	08:05	738	19:28	0.0	2.0	0.0	0.0
Balia	765	775	16:06	740	23:27	0.0	1.6	0.0	0.0
Moga	765	816	14:03	774	19:14	0.0	0.0	51.3	0.0
Agra	765	799	09:04	758	19:26	0.0	0.0	0.0	0.0
Bhiwani	765	810	16:04	784	00:00	0.0	0.0	35.8	0.0
Unnao	765	766	16:06	731	00:03	0.0	15.4	0.0	0.0
Lucknow	765	779	16:08	741	00:04	0.0	0.1	0.0	0.0
Meerut	765	816	16:08	780	19:26	0.0	0.0	42.1	0.0
Jhatikara	765	807	17:03	782	00:00	0.0	0.0	22.7	0.0
Barilly	765	787	16:06	745	00:02	0.0	0.0	0.0	0.0
Anta	765	768	00:00	768	00:00	0.0	0.0	0.0	0.0
Phagi	765	801	16:07	773	00:00	0.0	0.0	0.7	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	511.21	1605.30	511.52	1620.46	706.42	408.87
Pong	426.72	384.05	420.85	931.43	416.91	755.83	105.93	291.27
Tehri	829.79	740.04	822.65	1058.00	822.00	1044.51	182.55	196.00
Koteshwar	612.50	598.50	609.62	4.44	611.88	5.73	196.00	190.77
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	135.64	96.94
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	510.82	6.30	516.41	4.35	95.80	266.45

\* 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	285	256	0	283	130	0	8.03	5.01	13.05
Delhi	148	484	-2	574	-24	-2	8.56	9.31	17.87
Haryana	1721	175	0	1721	216	0	41.33	0.44	41.77
HP	-439	-49	0	-388	-370	0	-9.73	-3.61	-13.34
J&K	-432	134	0	-432	284	0	-10.47	5.11	-5.36
CHD	0	0	0	0	0	0	0.00	0.18	0.18
Rajasthan	-248	544	2	-390	692	2	-6.66	15.65	8.98
UP	568	491	0	513	0	0	12.39	4.03	16.42
Uttarakhand	-94	181	0	-249	12	0	-2.97	4.66	1.69
<b>Total</b>	<b>1510</b>	<b>2216</b>	<b>0</b>	<b>1632</b>	<b>938</b>	<b>0</b>	<b>40.49</b>	<b>40.77</b>	<b>81.27</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	385	283	265	130	0	0
Delhi	663	61	845	-32	0	-2
Haryana	1724	1720	237	-576	0	0
HP	-388	-439	-29	-391	0	0
J&K	-432	-472	358	-15	0	0
CHD	0	0	30	0	0	0
Rajasthan	-248	-391	1138	360	2	0
UP	582	413	785	0	0	0
Uttarakhand	-80	-249	409	7	0	0

**XI. System Constraints:**

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

**XIII. Weather Conditions For 21.09.2015 :**

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 :**