

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पॉवरसिस्ट की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 21.10.2015

Date of Reporting : 22.10.2015

### I. Regional Availability/Demand:

Demand Met	Evening Peak (19:00 Hrs) MW			Demand Met	Off Peak (03:00 Hrs) MW			Day Energy (Net MU)	
	Shortage	Requirement	Freq* (Hz)		Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
42553	1353	43906	50.12	36303	1705	38008	50.06	916.2	50.72

\* 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)	UI (OD:(+ve), UD: (-ve))
	Thermal	Hydro	Renewable/others \$	Total						
Punjab	51.67	10.70		62.37	48.92	51.20	2.28	113.57	0.00	
Haryana	69.78	0.48		70.25	63.92	64.74	0.81	134.99	0.00	
Rajasthan	132.70	3.61	10.55	146.85	66.30	68.08	1.78	214.93	0.00	
Delhi	9.05			9.05	73.05	70.89	-2.16	79.95	0.03	
UP	133.25	8.90		142.14	129.97	128.95	-1.02	271.10	41.78	
Uttarakhand		12.55		12.55	18.45	22.77	4.32	35.31	0.00	
HP		7.80		7.80	16.22	16.74	0.52	24.54	0.00	
J & K		9.60	0.00	9.60	27.38	28.04	0.66	37.64	8.91	
Chandigarh				0.00	4.13	4.14	0.27	4.14	0.00	
<b>Total</b>	<b>396.45</b>	<b>53.63</b>	<b>10.55</b>	<b>460.62</b>	<b>448.35</b>	<b>455.56</b>	<b>7.47</b>	<b>916.18</b>	<b>50.72</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 (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				# Max(hourly) Demand Met of Day (MW)	UI (OD:(+ve), UD/Export: (-ve))
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction		
Punjab	5246	0	-338	-513	3883	0	139	-570	5438	
Haryana	7121	0	2	-319	4398	0	-19	-540	7121	
Rajasthan	8866	0	-362	446	9488	0	136	702	9851	
Delhi	3973	3	-27	381	3227	0	28	90	4011	
UP	12293	870	7	755	11736	1480	-39	861	12651	
Uttarakhand	1778	0	186	182	1351	0	244	197	1778	
HP	1143	0	-39	-427	821	0	14	84	1296	
J&K	1921	480	201	136	1275	225	-27	196	1921	
Chandigarh	213	0	-9	-25	125	0	0	0	213	
<b>Total</b>	<b>42553</b>	<b>1353</b>	<b>-379</b>	<b>615</b>	<b>36303</b>	<b>1705</b>	<b>476</b>	<b>1020</b>	<b>42581</b>	

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

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### 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	
								(+ve)	(-ve)
<b>A. NTPC</b>									
Singrauli STPS (5*200+2*500)	2000	1846	2013	2068	44.99	1875	44.24	0.75	
Rihand I STPS (2*500)	1000	870	798	1053	20.36	849	20.52	-0.16	
Rihand II STPS (2*500)	1000	800	693	875	18.67	778	18.38	0.30	
Rihand III STPS (2*500)	1000	480	380	519	11.29	470	11.27	0.03	
Dadri I STPS (4*210)	840	800	285	292	7.36	307	7.66	-0.30	
Dadri II STPS (2*490)	980	970	653	685	16.17	674	16.99	-0.82	
Unchahar I TPS (2*210)	420	200	147	210	3.95	165	4.49	-0.53	
Unchahar II TPS (2*210)	420	400	284	398	7.78	324	8.51	-0.73	
Unchahar III TPS (1*220)	210	200	133	156	3.57	149	4.04	-0.47	
ISTPP (Jhajjar) (3*500)	1500	1436	710	644	15.55	648	15.82	-0.27	
Dadri GPS (4*130.19+2*154.51)	830	607	569	448	1.13	47	11.36	-10.24	
Anta GPS (3*88.71+1*153.2)	419	409	0	0	0.00	0	0.00	0.00	
Auraiya GPS (4*111.19+2*109.30)	663	538	289	239	6.06	253	6.21	-0.14	
Dadri Solar	5	1	0	0	0.02	1	0.02	0.00	
Unchahar Solar	10	3	0	0	0.02	1	0.06	-0.04	
Singrauli Solar	15	3	0	0	0.00	0	0.08	-0.08	
KHEP	800	865	853	0	4.45	186	4.23	0.23	
<b>Sub Total (A)</b>	<b>12112</b>	<b>10427</b>	<b>7807</b>	<b>7587</b>	<b>161</b>	<b>6725</b>	<b>174</b>	<b>-12</b>	
<b>B. NPC</b>									
NAPS (2*220)	440	392	430	436	9.41	392	9.41	0.00	
RAPS- B (2*220)	440	395	427	444	9.47	394	9.48	-0.01	
RAPS- C (2*220)	440	285	441	347	8.27	344	6.84	1.43	
<b>Sub Total (B)</b>	<b>1320</b>	<b>1072</b>	<b>1298</b>	<b>1227</b>	<b>27.14</b>	<b>1131</b>	<b>25.73</b>	<b>1.41</b>	
<b>C. NHPC</b>									
Chamera I HPS (3*180)	540	535	274	0	2.68	112	2.58	0.09	
Chamera II HPS (3*100)	300	300	270	0	2.46	102	2.25	0.21	
Chamera III HPS (3*77)	231	229	225	0	1.57	65	1.45	0.12	
Bairasuli HPS(3*60)	180	179	174	0	0.90	37	0.86	0.04	
Saikal-HPS (6*115)	690	290	432	352	7.50	313	6.92	0.58	
Tanakpur-HPS (3*40)	94	47	52	51	1.25	52	1.12	0.13	
Uri-I HPS (4*120)	480	312	344	341	8.13	339	7.40	0.73	
Uri-II HPS (4*60)	240	196	203	243	4.90	204	4.70	0.20	
Dhauliganga-HPS (4*70)	280	210	280	0	1.77	74	1.62	0.15	
Dulhasti-HPS (3*130)	390	257	267	266	6.25	260	6.17	0.08	
Sewa-II HPS (3*40)	120	119	109	0	0.86	36	0.65	0.21	
Parbati 3 (4*130)	520	260	141	0	0.81	34	0.65	0.16	
<b>Sub Total (C)</b>	<b>4065</b>	<b>2935</b>	<b>2771</b>	<b>1254</b>	<b>39</b>	<b>1628</b>	<b>36</b>	<b>3</b>	
<b>D.SJVNL</b>									
NJPC (6*250)	1500	1605	1527	0	13.28	553	13.07	0.20	
Rampur HEP (6*68.67)	412	401	299	0	3.50	146	3.24	0.26	
<b>Sub Total (D)</b>	<b>1912</b>	<b>2006</b>	<b>1826</b>	<b>0</b>	<b>16.78</b>	<b>699</b>	<b>16.31</b>	<b>0.47</b>	
<b>E. THDC</b>									
Tehri HPS (4*250)	1000	1080	945	0	6.58	274	6.20	0.38	
Koteshwar HPS (4*100)	400	92	100	91	2.22	92	2.20	0.02	
<b>Sub Total (E)</b>	<b>1400</b>	<b>1172</b>	<b>1045</b>	<b>91</b>	<b>8.80</b>	<b>367</b>	<b>8.40</b>	<b>0.40</b>	
<b>F. BBMB</b>									
Bhakra HPS (2*108+3*126+5*157)	1379	617	1049	374	14.76	615	14.82	-0.06	
Dehar HPS (6*165)	990	239	660	140	5.90	246	5.73	0.18	
Pong HPS (6*66)	396	210	318	132	5.02	209	5.05	-0.03	
<b>Sub Total (F)</b>	<b>2765</b>	<b>1066</b>	<b>2027</b>	<b>646</b>	<b>25.68</b>	<b>1070</b>	<b>25.59</b>	<b>0.08</b>	
<b>G. IPP(s)/JV(s)</b>									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	42	0	0.90	38	0.87	0.03	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	800	250	7.13	297	6.96	0.17	
Malana Stg-II HPS (2*50)	100	0	101	15	0.41	17	0.43	-0.02	
Shree Cement TPS (2*150)	300	0	260	260	6.17	257	6.18	-0.01	
Budhil HPS(IPP) (2*35)	70	0	75	0	0.45	19	0.45	0.00	
Sub Total (G)	1662	0	1277	524	15.06	628	14.89	0.18	
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>18678</b>	<b>18051</b>	<b>11329</b>	<b>293.93</b>	<b>12247</b>	<b>301.16</b>	<b>-7.22</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	320	320	7.84	327	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	120	118	2.43	101	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	204	205	4.98	207	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	958	963	26.44	1102	
	Talwandi Saboo (1*660)	660	333	349	9.99	416	
	<b>Thermal (Total)</b>	<b>4700</b>	<b>1935</b>	<b>1955</b>	<b>51.67</b>	<b>2153</b>	
Total Hydro	1000	458	458	10.70	446		
<b>Total Punjab</b>	<b>5700</b>	<b>2393</b>	<b>2413</b>	<b>62.37</b>	<b>2599</b>		
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	651	621	14.23	593	
	DCRTPP (Yamuna nagar) (2*300)	600	554	456	11.93	497	
	Faridabad GPS (NTPC)	432	0	0	0.11	5	
	RGTTP (khedar) (IPP) (2*600)	1200	1132	781	22.57	940	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar(CLP) (2*660)	1320	1170	739	20.94	873	
	<b>Thermal (Total)</b>	<b>4944</b>	<b>3507</b>	<b>2597</b>	<b>69.78</b>	<b>2907</b>	
	Total Hydro	62	22	20	0.48	20	
	<b>Total Haryana</b>	<b>5006</b>	<b>3529</b>	<b>2617</b>	<b>70.25</b>	<b>2927</b>	
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1027	1004	24.42	1017
		suratgarh TPS (6*250)	1500	983	1110	25.17	1049
Chabra TPS (4*250)		1000	192	222	4.49	187	
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	196	208	4.57	191	
RAPS A (NPC) (1*100+1*200)		300	157	157	3.89	162	
Barsingar (NLC) (2*125)		250	170	166	3.92	164	
Giral LTPS (2*125)		250	0	0	0.00	0	
Rajwest LTPS (IPP) (8*135)		1080	444	597	13.14	547	
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0	
Kalisindh Thermal(2*600)		1200	926	1170	25.58	1066	
Kawai(Adani) (2*660)		1320	1140	1178	27.52	1147	
<b>Thermal (Total)</b>		<b>8876</b>	<b>5235</b>	<b>5812</b>	<b>133</b>	<b>5529</b>	
Total Hydro		550	201	114	3.61	150	
Wind power		3214	493	578	9.84	410	
Biomass		99	28	28	0.67	28	
Solar		730	0	0	0.03	1	
Renewable/Others (Total)		4043	521	606	10.55	439	
<b>Total Rajasthan</b>		<b>13469</b>	<b>5957</b>	<b>6532</b>	<b>146.85</b>	<b>6119</b>	
UP		Anpara TPS (3*210+2*500)	1630	935	914	21.82	909
		Obra TPS (2*50+2*94+5*200)	1194	366	347	8.65	361
	Paricha TPS (2*110+2*220+2*250)	1140	649	618	14.89	620	
	Panki TPS (2*105)	210	59	50	1.24	52	
	Haridwar TPS (1*60+1*105+2*250)	665	536	527	12.75	531	
	Tanda TPS (NTPC) (4*110)	440	333	376	8.77	365	
	Roza TPS (IPP) (4*300)	1200	1116	1108	26.57	1107	
	Anpara-C (IPP) (2*600)	1200	1085	1080	26.57	1107	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	404	405	9.58	399	
	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>5483</b>	<b>5425</b>	<b>131</b>	<b>5452</b>	
	Vishnuparyag HPS (IPP)(4*110)	440	182	192	4.39	183	
	Alakanada(4*82.5)	330	122	108	2.57	107	
	Other Hydro	527	143	50	1.93	81	
	Cogeneration	981	100	100	2.40	100	
<b>Total UP</b>	<b>11567</b>	<b>6030</b>	<b>5875</b>	<b>142</b>	<b>5923</b>		
Uttarakhand	Total Hydro	1398	595	474	12.55	523	
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>595</b>	<b>474</b>	<b>12.55</b>	<b>523</b>	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1	
	Delhi Gas Turbine (6x30 + 3x34)	282	37	37	0.91	38	
	Pragati Gas Turbine (2x104+ 1x122)	330	149	52	2.01	84	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	261	265	6.14	256	
	Badarpur TPS (NTPC) (3*95+2*210)	705	160	161	0.00	0	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>607</b>	<b>515</b>	<b>9.05</b>	<b>377</b>	
	<b>Total Delhi</b>	<b>2917</b>	<b>607</b>	<b>515</b>	<b>9.05</b>	<b>377</b>	
HP	Baspa HPS (IPP) (3*100)	300	65	76	2.01	84	
	Malana HPS (IPP) (2*43)	86	35	34	0.48	20	
	Other Hydro	878	221	209	5.31	221	
	<b>Total HP</b>	<b>1264</b>	<b>321</b>	<b>319</b>	<b>7.80</b>	<b>325</b>	
J & K	Baglihar HPS (IPP) (3*150)	450	230	380	7.92	330	
	Other Hydro/IPP	560	96	58	1.68	70	
	Gas/Diesel/Others	190	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1200</b>	<b>326</b>	<b>438</b>	<b>9.60</b>	<b>400</b>	
<b>Total State Control Area Generation</b>		<b>42521</b>	<b>19758</b>	<b>19183</b>	<b>460.62</b>	<b>19192</b>	
<b>J. Net Inter Regional Exchange (Import +ve)/Export (-ve)]</b>			<b>5429</b>	<b>7219</b>	<b>169.69</b>	<b>7070</b>	
<b>Total Regional Availability(Gross)</b>		<b>67758</b>	<b>43238</b>	<b>37731</b>	<b>924.24</b>	<b>38510</b>	

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	9465	2255	103.23	4301
State Control Area Hydro	6581	2370	2173	54	2235
<b>Total Regional Hydro</b>	<b>18815</b>	<b>11835</b>	<b>4428</b>	<b>156.86</b>	<b>6536</b>

**V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]**

Element	Peak(19:00 Hrs)		Off Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW		MW		Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-100		50		50	-100	1.00	0.42	0.58
765 KV Gwalior-Agra (D/C)	2156		2636		3022	0	58.72	0.00	58.72
400 KV Zerda-Kankrol	90		8		44	136	0.00	0.80	-0.80
400 KV Zerda-Bhinmal	-64		20		93	169	0.00	0.00	0.00
220 KV Auraiya-Malanpur	-82		-101		0	104	0.00	1.83	-1.83
220 KV Badoh-Kota/Morak	-77		-39		25	81	0.00	0.99	-0.99
Mundra-Mohindergarh(HVDC Bipole)	2112		2118		2120	0	51.12	0.00	51.12
400 KV Vindhychal - Rihand	0		0		0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	282		398		514	20	19.00	0.00	19.00
<b>Sub Total WR</b>	<b>4317</b>		<b>5090</b>				<b>129.84</b>	<b>4.04</b>	<b>125.81</b>
Pusaali Bypass/HVDC	400		400		400	0	8.97	0.00	8.97
400 KV MZP- GKP (D/C)	46		354		390	0	6.10	0.00	6.10
400 KV Patna-Balia(D/C) X 2	199		383		439	0	8.70	0.00	8.70
400 KV B'Shanif-Balia (D/C)	-4		153		202	4	3.48	0.00	3.48
765 KV Gaya-Balia	90		177		220	0	2.10	0.00	2.10
765 KV Gaya-Fatehpur	112		214		282	0	4.84	0.00	4.84
220 KV Pusaali-Sahupuri	185		130		188	0	3.26	0.00	3.26
132 KV K'nasa-Sahupuri	0		0		0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-27		-25		0	34	0.00	0.63	-0.63
132 KV Garhwa-Rihand	0		0		0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-109		25		86	144	0.25	0.00	0.25
400 KV Barh -GKP (D/C)	220		318		340	0	6.31	0.00	6.31
<b>Sub Total ER</b>	<b>1112</b>		<b>2129</b>				<b>44.47</b>	<b>0.63</b>	<b>43.85</b>
+/- 800 KV BiswanathChariali-Agra	0		0		150	0	0.04	0.00	0.04
<b>Sub Total NER</b>	<b>0</b>		<b>0</b>				<b>0.04</b>	<b>0.00</b>	<b>0.04</b>
<b>Total IR Exch</b>	<b>5429</b>		<b>7219</b>				<b>174.35</b>	<b>4.66</b>	<b>169.69</b>

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

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdi (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
43.04	1.77	44.82	2.94	-22.12	12.34	25.72	1.56	-1.56
<b>Total IR Schedule (MU)</b>								
Through ER	Through WR Incids Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
61.66	98.97	160.63	43.85	125.81	169.65	-17.81	26.84	9.03

**V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]**

Element	Peak(19:00 Hrs)		Off Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW		MW		Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	0		0		0	0	0	0	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	0.00	0.50	8.54	60.14	77.16	9.94	4.38	0.01	0.00

<----- Frequency (Hz) ----->

Maximum				Minimum				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Freq	Time	Freq	Time	Hz	(Hz)	MAX (Hz)	MIN (Hz)					
50.20	16.01	49.74	0.07	49.98	0.046	0.066	50.17	49.91				

**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	04:39	0.0	0.0	0.0	0.0
Gorakhpur	400	419	08:01	404	00:04	0.0	0.0	0.0	0.0
Bareilly	400	414	13:01	398	18:25	0.0	0.0	0.0	0.0
Kanpur	400	411	13:04	407	18:22	0.0	0.0	0.0	0.0
Dadri	400	418	01:51	403	18:24	0.0	0.0	0.0	0.0
Ballabhgarh	400	423	02:39	407	18:21	0.0	0.0	13.1	0.0
Bawana	400	422	02:01	406	18:19	0.0	0.0	7.9	0.0
Bassi	400	423	21:49	401	00:04	0.0	0.0	5.5	0.0
Hissar	400	416	02:52	400	18:23	0.0	0.0	0.0	0.0
Moga	400	421	02:52	404	18:19	0.0	0.0	0.8	0.0
Abdullapur	400	424	02:56	403	18:21	0.0	0.0	11.1	0.0
Nalagarh	400	430	01:40	410	09:41	0.0	0.0	39.8	0.0
Kishenpur	400	422	23:59	401	18:22	0.0	0.0	0.3	0.0
Wagoora	400	406	13:01	379	18:30	0.1	18.4	0.0	0.0
Amritsar	400	426	02:57	407	09:39	0.0	0.0	24.4	0.0
Kashipur	400	417	02:56	410	18:19	0.0	0.0	0.0	0.0
Hamirpur	400	422	03:40	402	09:40	0.0	0.0	2.6	0.0
Rishikesh	400	407	02:10	386	18:41	0.0	10.5	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	776	19:47	754	18:23	0.0	0.0	0.0	0.0
Balia	765	774	08:01	749	00:05	0.0	0.0	0.0	0.0
Moga	765	801	02:56	773	18:21	0.0	0.0	0.2	0.0
Agra	765	792	19:46	767	10:15	0.0	0.0	0.0	0.0
Bhiwani	765	801	20:57	778	09:40	0.0	0.0	4.9	0.0
Unnao	765	759	08:01	740	18:22	0.0	0.7	0.0	0.0
Lucknow	765	775	13:04	751	18:23	0.0	0.0	0.0	0.0
Meerut	765	807	21:48	779	09:43	0.0	0.0	13.9	0.0
Jhatikara	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Bareilly	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Anta	765	781	19:39	761	00:00	0.0	0.0	0.0	0.0
Phagi	765	789	19:40	765	00:00	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	509.94	1545.02	508.11	1455.60	255.28	409.57
Pong	426.72	384.05	419.44	861.93	414.83	668.52	83.51	295.06
Tehri	829.79	740.04	819.10	984.26	824.30	1093.14	96.24	148.00
Koteshwar	612.50	598.50	611.50	5.20	609.47	4.30	148.00	146.24
Chamera-I	760.00	748.75	759.24	0.00	0.00	0.00	86.77	72.70
Rihand	268.22	252.98	851.30	276.40	854.60	331.50	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	512.23	3.62	510.97	3.42	49.48	149.62

\* NA: Not Available

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (19:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	-693	123	0	-699	185	0	-13.43	4.24	-9.19
Delhi	-145	236	0	-121	501	0	-2.81	10.74	7.93
Haryana	-624	83	0	-548	229	0	-14.12	4.86	-9.26
HP	-50	134	0	87	-514	0	1.09	-1.87	-0.77
J&K	221	-25	0	161	-25	0	4.23	0.22	4.45
CHD	0	0	0	0	-25	0	0.00	0.09	0.09
Rajasthan	-5	706	2	-5	449	2	1.63	16.57	18.20
UP	171	690	0	65	690	0	2.48	8.28	10.75
Uttarakhand	197	0	0	197	-15	0	4.72	1.25	5.97
<b>Total</b>	<b>-929</b>	<b>1948</b>	<b>2</b>	<b>-863</b>	<b>1476</b>	<b>2</b>	<b>-16.22</b>	<b>44.40</b>	<b>28.18</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-295	-699	232	107	0	0
Delhi	-80	-145	873	104	0	0
Haryana	-548	-624	268	-247	0	0
HP	127	-90	139	-635	0	0
J&K	221	121	99	-25	0	0
CHD	0	0	44	-60	0	0
Rajasthan	190	-5	989	-59	2	2
UP	217	14	887	0	0	0
Uttarakhand	197	197	260	-98	0	0

**XI. System Constraints:**

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

**XIII. Weather Conditions For 21.10.2015 :**  
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 :**