

# पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिस्ट की पूर्ण व्यापकता प्राप्त सहायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 19.10.2015

Date of Reporting : 20.10.2015

### I. Regional Availability/Demand:

Demand Met	Evening Peak (20:00 Hrs) MW			Demand Met	Off Peak (03:00 Hrs) MW			Demand Met	Day Energy (Net MU)	
	Shortage	Requirement	Freq* (Hz)		Shortage	Requirement	Freq* (Hz)		Shortage	Requirement
42529	1743	44272	50.09	34679	1717	36396	50.08	912.9	45.70	

\* 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	45.57	10.46		56.04	53.82	54.72	0.89	110.75	0.00	
Haryana	63.90	0.52		64.42	72.99	72.47	-0.52	136.89	0.00	
Rajasthan	130.67	4.62	17.37	152.66	63.33	65.93	2.59	218.59	1.10	
Delhi	14.47			14.47	71.24	70.24	-0.99	84.71	0.22	
UP	144.78	9.79		154.57	116.98	116.48	-0.49	271.05	37.51	
Uttarakhand		14.31		14.31	17.78	20.42	2.64	34.73	0.00	
HP		7.89		7.89	14.79	15.63	0.83	23.51	0.00	
J & K		10.36	0.00	10.36	24.07	18.37	-5.70	28.73	6.88	
Chandigarh				0.00	4.04	3.98	0.27	3.98	0.00	
<b>Total</b>	<b>399.39</b>	<b>57.95</b>	<b>17.37</b>	<b>474.71</b>	<b>439.03</b>	<b>438.23</b>	<b>-0.47</b>	<b>912.93</b>	<b>45.70</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)	UI/OA/PX (OD/Import: (+ve), UD/Export: (-ve))
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction		
Punjab	5055	0	-152	-32	4106	0	86	-87	5055	
Haryana	7177	0	30	-114	4333	0	-135	-293	7209	
Rajasthan	9194	0	-301	241	9181	0	15	673	9778	
Delhi	4062	0	-61	354	3108	0	-106	-20	4062	
UP	12253	1290	-84	96	11312	1620	-167	230	12253	
Uttarakhand	1620	0	-57	268	1238	0	116	197	1708	
HP	1152	0	-9	-410	738	0	102	2	1238	
J&K	1813	453	-14	140	549	97	-592	254	1842	
Chandigarh	204	0	6	-30	115	0	-4	0	214	
<b>Total</b>	<b>42529</b>	<b>1743</b>	<b>-642</b>	<b>511</b>	<b>34679</b>	<b>1717</b>	<b>-686</b>	<b>955</b>	<b>42529</b>	

\* STOA figures are at sellers boundary & PX figures are at regional boundary.

# figures may not be at simultaneous hour.

Diversity is 1.02

### 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	
								Net MU	Net MU
<b>A. NTPC</b>									
Singrauli STPS (5*200+2*500)	2000	1877	2013	2061	45.84	1910	44.85	0.99	
Rihand I STPS (2*500)	1000	861	2019	743	19.87	828	19.74	0.13	
Rihand II STPS (2*500)	1000	925	947	928	21.53	897	21.08	0.45	
Rihand III STPS (2*500)	1000	480	511	466	11.10	463	10.95	0.16	
Dadri I STPS (4*210)	840	800	301	308	6.98	291	7.11	-0.13	
Dadri II STPS (2*490)	980	970	776	673	16.30	679	17.13	-0.83	
Unchahar I TPS (2*210)	420	200	163	150	3.92	163	4.31	-0.39	
Unchahar II TPS (2*210)	420	400	283	318	7.08	295	7.60	-0.52	
Unchahar III TPS (1*220)	210	200	153	133	3.51	146	3.79	-0.27	
ISTPP (Jhajjar) (3*500)	1500	1436	802	646	16.16	674	16.39	-0.22	
Dadri GPS (4*130.19+2*154.51)	830	630	435	338	9.98	416	10.08	-0.10	
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	526	285	249	6.18	257	6.21	-0.04	
Dadri Solar	5	1	0	0	0.02	1	0.02	-0.01	
Unchahar Solar	10	3	0	0	0.03	1	0.06	-0.03	
Singrauli Solar	15	3	0	0	0.03	1	0.08	-0.05	
KHEP	800	860	724	0	4.83	201	4.55	0.28	
<b>Sub Total (A)</b>	<b>12112</b>	<b>10581</b>	<b>8322</b>	<b>7013</b>	<b>173</b>	<b>7223</b>	<b>174</b>	<b>-1</b>	
<b>B. NPC</b>									
NAPS (2*220)	440	388	421	431	9.27	386	9.31	-0.04	
RAPS- B (2*220)	440	394	438	439	9.49	395	9.46	0.03	
RAPS- C (2*220)	440	252	228	229	4.50	188	4.88	-0.38	
<b>Sub Total (B)</b>	<b>1320</b>	<b>1034</b>	<b>1087</b>	<b>1099</b>	<b>23.27</b>	<b>969</b>	<b>23.65</b>	<b>-0.38</b>	
<b>C. NHPC</b>									
Chamera I HPS (3*180)	540	535	94	0	1.66	69	1.60	0.06	
Chamera II HPS (3*100)	300	300	274	0	2.53	105	2.37	0.16	
Chamera III HPS (3*77)	231	229	170	0	1.62	67	1.55	0.07	
Bairasuli HPS(3*60)	180	179	175	0	0.77	32	0.70	0.07	
Saikal-HPS (6*115)	690	337	450	359	8.90	371	8.00	0.90	
Tanakpur-HPS (3*40)	94	47	51	50	1.23	51	1.13	0.10	
Uri-I HPS (4*120)	480	212	257	210	5.66	236	5.06	0.60	
Uri-II HPS (4*60)	240	151	161	126	3.82	159	3.62	0.20	
Dhauliganga-HPS (4*70)	280	280	282	0	1.66	69	1.60	0.06	
Dulhasti-HPS (3*130)	390	305	266	0	4.69	196	4.78	-0.09	
Sewa-II HPS (3*40)	120	119	112	0	0.88	37	0.65	0.23	
Parbati 3 (4*130)	520	260	130	0	0.81	34	0.78	0.03	
<b>Sub Total (C)</b>	<b>4065</b>	<b>2954</b>	<b>2422</b>	<b>744</b>	<b>34</b>	<b>1426</b>	<b>32</b>	<b>2</b>	
<b>D.SJVNL</b>									
NJPC (6*250)	1500	1605	1415	0	13.11	546	12.99	0.12	
Rampur HEP (6*68.67)	412	432	411	0	3.78	158	3.62	0.17	
<b>Sub Total (D)</b>	<b>1912</b>	<b>2037</b>	<b>1826</b>	<b>0</b>	<b>16.89</b>	<b>704</b>	<b>16.60</b>	<b>0.29</b>	
<b>E. THDC</b>									
Tehri HPS (4*250)	1000	1080	1029	0	7.81	325	7.50	0.31	
Koteshwar HPS (4*100)	400	104	91	91	2.54	106	2.50	0.04	
<b>Sub Total (E)</b>	<b>1400</b>	<b>1184</b>	<b>1120</b>	<b>91</b>	<b>10.35</b>	<b>431</b>	<b>10.00</b>	<b>0.35</b>	
<b>F. BBMB</b>									
Bhakra HPS (2*108+3*126+5*157)	1379	616	1042	368	14.94	623	14.79	0.15	
Dehar HPS (6*165)	990	270	660	165	6.73	280	6.48	0.25	
Pong HPS (6*66)	396	192	318	66	4.59	191	4.61	-0.02	
<b>Sub Total (F)</b>	<b>2765</b>	<b>1079</b>	<b>2020</b>	<b>599</b>	<b>26.26</b>	<b>1094</b>	<b>25.88</b>	<b>0.37</b>	
<b>G. IPP(s)/JV(s)</b>									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	95	34	1.03	43	0.99	0.04	
KARCHAM W ANGT00 HPS(IPP) (4*250)	1000	0	800	250	6.97	290	6.97	0.00	
Malana Stg-II HPS (2*50)	100	0	105	30	0.50	21	0.48	0.02	
Shree Cement TPS (2*150)	300	0	258	259	6.13	256	6.22	-0.09	
Budhil HPS(IPP) (2*35)	70	0	75	0	0.42	17	0.41	0.01	
Sub Total (G)	1662	0	1333	573	15.05	627	15.07	-0.03	
<b>Sub Total (H)</b>	<b>25237</b>	<b>18868</b>	<b>18130</b>	<b>10119</b>	<b>299.40</b>	<b>12475</b>	<b>296.99</b>	<b>2.41</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	7.39	308	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	2.00	83	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	205	205	4.49	187	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	715	801	22.50	938	
	Talwandi Saboo (1*660)	660	537	499	9.19	383	
	<b>Thermal (Total)</b>	<b>4700</b>	<b>1867</b>	<b>1915</b>	<b>45.57</b>	<b>1899</b>	
	Total Hydro	1000	455	416	10.46	436	
<b>Total Punjab</b>	<b>5700</b>	<b>2322</b>	<b>2331</b>	<b>56.04</b>	<b>2335</b>		
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	650	617	14.86	619	
	DCRTPP (Yamuna nagar) (2*300)	600	557	463	12.38	516	
	Faridabad GPS (NTPC)	432	0	156	1.51	63	
	RGTTP (khedar) (IPP) (2*600)	1200	1146	752	23.10	962	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar (CLP) (2*660)	1320	621	376	12.05	502	
	<b>Thermal (Total)</b>	<b>4944</b>	<b>2974</b>	<b>2364</b>	<b>63.90</b>	<b>2663</b>	
	Total Hydro	62	18	23	0.52	22	
	<b>Total Haryana</b>	<b>5006</b>	<b>2992</b>	<b>2387</b>	<b>64.42</b>	<b>2684</b>	
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	872	869	21.05	877
		suratgarh TPS (6*250)	1500	1031	980	25.35	1056
Chabra TPS (4*250)		1000	128	203	3.26	136	
Dholpur GPS (3*110)		330	77	0	0.12	5	
Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)		271	149	199	3.45	144	
RAPS A (NPC) (1*100+1*200)		300	159	161	3.93	164	
Barsingar (NLC) (2*125)		250	169	168	3.89	162	
Giral LTPS (2*125)		250	0	0	0.00	0	
Rajwest LTPS (IPP) (8*135)		1080	700	669	16.70	696	
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0	
Kalisindh Thermal(2*600)		1200	1093	1060	25.52	1063	
Kawai(Adani) (2*660)		1320	1174	1143	27.41	1142	
<b>Thermal (Total)</b>		<b>8876</b>	<b>5552</b>	<b>5452</b>	<b>131</b>	<b>5445</b>	
Total Hydro		550	201	188	4.62	193	
Wind power		3214	326	1045	14.75	615	
Biomass		99	17	17	0.40	17	
Solar		730	0	0	2.21	92	
Renewable/Others (Total)		4043	343	1062	17.37	724	
<b>Total Rajasthan</b>		<b>13469</b>	<b>6096</b>	<b>6702</b>	<b>152.66</b>	<b>6361</b>	
UP		Anpara TPS (3*210+2*500)	1630	923	948	21.93	914
		Obra TPS (2*50+2*94+5*200)	1194	471	437	10.99	458
		Paricha TPS (2*110+2*220+2*250)	1140	654	446	14.00	583
		Panki TPS (2*105)	210	50	54	1.32	55
	Haridwar TPS (1*60+1*105+2*250)	665	542	531	12.69	529	
	Tanda TPS (NTPC) (4*110)	440	380	370	8.96	373	
	Roza TPS (IPP) (4*300)	1200	1107	1103	26.59	1108	
	Anpara-C (IPP) (2*600)	1200	1080	1083	26.90	1121	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	403	404	9.60	400	
	Anpara-D(1*500)	500	0	0	0.00	0	
	Lalitpur TPS(1*660)	660	390	387	9.40	392	
	<b>Thermal (Total)</b>	<b>9289</b>	<b>6000</b>	<b>5763</b>	<b>142</b>	<b>5933</b>	
	Vishnuparyag HPS (IPP)(4*110)	440	216	202	4.95	206	
	Alakanada(4*82.5)	330	121	112	2.63	110	
	Other Hydro	527	120	168	2.21	92	
	Cogeneration	981	100	100	2.40	100	
	<b>Total UP</b>	<b>11567</b>	<b>6557</b>	<b>6345</b>	<b>155</b>	<b>6440</b>	
Uttarakhand	Total Hydro	1398	647	549	14.31	596	
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>647</b>	<b>549</b>	<b>14.31</b>	<b>596</b>	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	36	36	0.90	37	
	Pragati Gas Turbine (2x104+ 1x122)	330	146	151	3.59	150	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	248	250	6.03	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.95	165	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>596</b>	<b>602</b>	<b>14.47</b>	<b>603</b>	
	<b>Total Delhi</b>	<b>2917</b>	<b>596</b>	<b>602</b>	<b>14.47</b>	<b>603</b>	
HP	Baspa HPS (IPP) (3*100)	300	31	94	2.14	89	
	Malana HPS (IPP) (2*43)	86	81	0	0.44	18	
	Other Hydro	878	194	234	5.31	221	
	<b>Total HP</b>	<b>1264</b>	<b>306</b>	<b>328</b>	<b>7.89</b>	<b>329</b>	
J & K	Baglihar HPS (IPP) (3*150)	450	438	289	8.73	364	
	Other Hydro/IPP	560	72	68	1.63	68	
	Gas/Diesel/Others	190	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1200</b>	<b>510</b>	<b>357</b>	<b>10.36</b>	<b>432</b>	
<b>Total State Control Area Generation</b>		<b>42521</b>	<b>20026</b>	<b>19601</b>	<b>474.71</b>	<b>19779</b>	
<b>J. Net Inter Regional Exchange (Import +ve)/Export (-ve)</b>			<b>5466</b>	<b>6708</b>	<b>159.77</b>	<b>6657</b>	
<b>Total Regional Availability(Gross)</b>		<b>67758</b>	<b>43622</b>	<b>36428</b>	<b>933.87</b>	<b>38911</b>	

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	9112	1749	101.06	4211
State Control Area Hydro	6581	2594	2343	58	2415
<b>Total Regional Hydro</b>	<b>18815</b>	<b>11706</b>	<b>4092</b>	<b>159.01</b>	<b>6625</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	-50	50	50	50.00	50.00	0.00	0.00	0.00
765 KV Gwalior-Agra (D/C)	2116	2401	2764	0	56.13	0.00	56.13	0.00	56.13
400 KV Zerda-Kankrol	-9	-75	71	106	0.00	0.66	-0.66	0.00	-0.66
400 KV Zerda-Bhinmal	8	-47	141	105	0.35	0.00	0.35	0.00	0.35
220 KV Auraiya-Malanpur	-102	-117	0	138	0.00	2.32	-2.32	0.00	-2.32
220 KV Badoh-Kota/Morak	-12	-57	1	77	0.00	0.91	-0.91	0.00	-0.91
Mundra-Mohindergarh(HVDC Bipole)	2119	2117	2120	0	51.13	0.00	51.13	0.00	51.13
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	629	724	1066	0	20.56	0.00	20.56	0.00	20.56
<b>Sub Total WR</b>	<b>4799</b>	<b>4896</b>			<b>178.17</b>	<b>53.89</b>	<b>124.28</b>		
Pusaali Bypass/HVDC	400	400	400	0	8.93	0.00	8.93	0.00	8.93
400 KV MZP- GKP (D/C)	-78	270	318	112	3.59	0.00	3.59	0.00	3.59
400 KV Patna-Balia(D/C) X 2	223	337	453	0	7.73	0.00	7.73	0.00	7.73
400 KV B'Shanif-Balia (D/C)	-17	128	186	94	2.03	0.00	2.03	0.00	2.03
765 KV Gaya-Balia	80	131	220	0	1.62	0.00	1.62	0.00	1.62
765 KV Gaya-Fatehpur	-17	161	247	20	3.41	0.00	3.41	0.00	3.41
220 KV Pusaali-Sahupuri	176	127	187	0	3.27	0.00	3.27	0.00	3.27
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-28	-26	0	34	0.00	0.62	-0.62	0.00	-0.62
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-223	-12	75	223	0.00	0.98	-0.98	0.00	-0.98
400 KV Barh -GKP (D/C)	151	296	320	0	6.04	0.00	6.04	0.00	6.04
<b>Sub Total ER</b>	<b>667</b>	<b>1812</b>			<b>37.09</b>	<b>1.60</b>	<b>35.49</b>		
+/- 800 KV BiswanathChariali-Agra	0	0	150	0	0.00	0.00	0.00	0.00	0.00
<b>Sub Total NEH</b>	<b>0</b>	<b>0</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		
<b>Total IR Exch</b>	<b>5466</b>	<b>6708</b>			<b>215.27</b>	<b>55.50</b>	<b>159.77</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	Total	Through ER	Through WR	Through ER	Through WR
37.96	1.88	39.83	3.80	-8.48	13.68	10.62	1.93	-1.93	
<b>Total IR Schedule (MU)</b>			<b>Total IR Actual (MU)</b>			<b>Net IR UI (MU)</b>			
Through ER	Through WR Incids Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total	
59.24	94.61	153.85	35.49	124.28	159.77	-23.75	29.67	5.92	

**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	0	0	0	0	0	0	0.00	0.00	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	0.59	14.71	59.68	70.46	13.37	1.53	0.00	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX	MIN
Freq	Time	Freq	Time	Hz	(Hz)	(Hz)	(Hz)	(Hz)
50.18	13.02	49.76	12.42	49.98	0.054	0.070	50.19	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	400	00:00	0.0	0.0	0.0	0.0
Gorakhpur	400	419	07:52	402	18:12	0.0	0.0	0.0	0.0
Bareilly	400	415	01:30	396	18:11	0.0	0.0	0.0	0.0
Kanpur	400	411	01:47	401	18:13	0.0	0.0	0.0	0.0
Dadri	400	420	01:11	399	11:41	0.0	0.0	0.0	0.0
Ballabgarh	400	424	01:41	401	12:11	0.0	0.0	15.0	0.0
Bawana	400	422	01:46	401	11:48	0.0	0.0	7.0	0.0
Bassi	400	420	21:43	397	12:07	0.0	0.0	0.0	0.0
Hissar	400	419	01:29	397	18:13	0.0	0.0	0.0	0.0
Moga	400	424	01:13	402	18:14	0.0	0.0	15.0	0.0
Abdullapur	400	426	01:26	399	18:58	0.0	0.0	16.7	0.0
Nalagarh	400	434	01:29	406	18:50	0.0	0.0	33.2	14.3
Kishenpur	400	437	01:14	400	18:17	0.0	0.0	28.8	4.8
Wagoora	400	430	01:29	373	18:25	11.0	30.2	4.3	0.0
Amritsar	400	428	01:13	406	18:11	0.0	0.0	23.9	0.0
Kashipur	400	416	20:43	409	18:24	0.0	0.0	0.0	0.0
Hamirpur	400	419	00:00	402	18:11	0.0	0.0	0.0	0.0
Rishikesh	400	402	20:55	386	13:56	0.0	21.2	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	774	07:57	743	18:14	0.0	0.0	0.0	0.0
Balia	765	772	07:26	744	18:43	0.0	0.0	0.0	0.0
Moga	765	804	01:13	766	18:13	0.0	0.0	12.7	0.0
Agra	765	784	01:47	754	12:08	0.0	0.0	0.0	0.0
Bhiwani	765	802	01:46	766	18:14	0.0	0.0	10.0	0.0
Unnao	765	762	07:51	733	18:11	0.0	24.6	0.0	0.0
Lucknow	765	774	08:00	744	18:24	0.0	0.0	0.0	0.0
Meerut	765	809	01:44	768	12:08	0.0	0.0	16.9	0.0
Jhatikara	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Bareilly	765	776	08:04	760	05:55	0.0	0.0	0.0	0.0
Anta	765	779	20:54	760	10:47	0.0	0.0	0.0	0.0
Phagi	765	782	21:34	754	13:47	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	510.09	1545.02	508.34	1470.42	292.37	413.62
Pong	426.72	384.05	419.60	875.55	415.05	680.86	89.40	269.60
Tehri	829.79	740.04	819.30	988.26	824.45	1096.24	97.50	172.00
Koteshwar	612.50	598.50	611.18	4.95	609.05	4.21	172.00	167.55
Chamera-I	760.00	748.75	758.52	0.00	0.00	0.00	82.40	45.46
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	512.53	3.60	511.13	3.06	57.71	148.59

\* 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	-196	110	0	-198	166	0	-4.72	3.61	-1.11
Delhi	-271	251	0	-120	474	0	-4.00	11.01	7.01
Haryana	-340	47	0	-340	226	0	-8.16	3.61	-4.56
HP	-50	52	0	127	-537	0	1.34	-2.33	-1.00
J&K	264	-10	0	115	25	0	4.05	1.93	5.98
CHD	0	0	0	0	-30	0	0.00	-0.18	-0.18
Rajasthan	-5	676	2	-5	244	2	1.67	12.81	14.48
UP	230	0	0	96	0	0	3.36	0.00	3.36
Uttarakhand	197	0	0	197	71	0	4.72	0.53	5.25
<b>Total</b>	<b>-173</b>	<b>1126</b>	<b>2</b>	<b>-130</b>	<b>639</b>	<b>2</b>	<b>-1.75</b>	<b>30.99</b>	<b>29.24</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-196	-198	222	103	0	0
Delhi	-96	-271	804	132	0	0
Haryana	-340	-340	256	-216	0	0
HP	127	-50	107	-669	0	0
J&K	264	115	248	-25	0	0
CHD	0	0	40	-50	0	0
Rajasthan	195	-5	861	-265	2	2
UP	246	16	0	0	0	0
Uttarakhand	197	197	173	-121	0	0

**XI. System Constraints:**

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

**XIII. Weather Conditions For 19.10.2015 :**  
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 :**