

# 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 10.10.2015  
Date of Reporting : 11.10.2015

### I. Regional Availability/Demand:

Demand Met	Evening Peak (20:00 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
44454	1334	45788	50.04	38727	2241	40968	50.11	977.9	43.39

\* 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	72.17	12.35		84.52	70.28	69.20	-1.07	153.72	0.00	
Haryana	63.31	0.52		63.82	90.59	89.30	-1.29	153.13	0.00	
Rajasthan	114.84	1.19	34.12	150.15	52.12	52.14	0.02	202.29	0.00	
Delhi	14.24			14.24	73.54	71.07	-2.47	85.32	0.06	
UP	144.38	11.70		156.08	125.30	121.67	-3.63	277.74	33.95	
Uttarakhand		16.32		16.32	18.90	20.06	1.16	36.39	0.06	
HP		9.85		9.85	15.39	15.59	0.19	25.44	0.00	
J & K		11.81	0.00	11.81	26.26	27.74	1.48	39.55	9.33	
Chandigarh				0.00	4.42	4.30	0.27	4.30	0.00	
<b>Total</b>	<b>408.94</b>	<b>63.74</b>	<b>34.12</b>	<b>506.79</b>	<b>476.80</b>	<b>471.07</b>	<b>-5.34</b>	<b>977.86</b>	<b>43.39</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 (OD:(+ve), UD/Import: (+ve), UD/Export: (-ve))
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction		
Punjab	7023	0	-164	76	5798	0	105	32	7023	
Haryana	7448	0	64	265	5231	0	52	276	7448	
Rajasthan	8726	0	85	190	8744	0	118	321	9206	
Delhi	4069	0	2	348	3565	0	80	285	4069	
UP	12104	860	-464	282	11513	1980	-203	410	12504	
Uttarakhand	1767	0	-12	223	1380	0	159	209	1819	
HP	1202	0	50	-545	875	0	22	136	1234	
J&K	1896	474	119	-4	1480	261	129	-39	1896	
Chandigarh	219	0	-16	0	141	0	3	0	228	
<b>Total</b>	<b>44454</b>	<b>1334</b>	<b>-336</b>	<b>835</b>	<b>38727</b>	<b>2241</b>	<b>465</b>	<b>1630</b>	<b>44454</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 (OG:(+ve), UG: (-ve))	
								Net MU	Net MU
<b>A. NTPC</b>									
Singrauli STPS (5*200+2*500)	2000	1883	2058	2034	45.06	1878	44.76	0.30	
Rihand I STPS (2*500)	1000	857	972	905	20.16	840	20.19	-0.03	
Rihand II STPS (2*500)	1000	943	1001	1016	21.90	913	21.95	-0.04	
Rihand III STPS (2*500)	1000	480	512	505	11.04	460	11.17	-0.13	
Dadri I STPS (4*210)	840	800	429	418	10.86	452	10.94	-0.09	
Dadri II STPS (2*490)	980	970	838	721	18.37	766	19.04	-0.66	
Uncharhar I TPS (2*210)	420	200	214	168	4.22	176	4.63	-0.41	
Uncharhar II TPS (2*210)	420	400	414	333	8.48	353	9.08	-0.60	
Uncharhar III TPS (1*220)	210	200	206	132	3.81	159	4.32	-0.51	
ISTPP (Jhajjar) (3*500)	1500	1436	1004	763	18.72	780	19.23	-0.51	
Dadri GPS (4*130.19+2*154.51)	830	670	383	377	8.77	366	9.12	-0.34	
Anta GPS (3*88.71+1*153.2)	419	397	-1	-1	0.00	0	0.00	0.00	
Auraiya GPS (4*111.19+2*109.30)	663	530	260	286	6.28	261	6.41	-0.13	
Dadri Solar	5	1	0	0	0.02	1	0.02	0.00	
Uncharhar Solar	10	3	0	0	0.03	1	0.06	-0.03	
Singrauli Solar	15	3	0	0	0.04	2	0.08	-0.03	
KHEP	800	845	657	0	8.38	349	6.89	1.50	
<b>Sub Total (A)</b>	<b>12112</b>	<b>10618</b>	<b>8947</b>	<b>7657</b>	<b>186</b>	<b>7756</b>	<b>188</b>	<b>-2</b>	
<b>B. NPC</b>									
NAPS (2*220)	440	220	210	216	4.47	186	5.28	-0.81	
RAPS- B (2*220)	440	436	438	444	9.54	398	9.50	0.04	
RAPS- C (2*220)	440	206	228	230	4.79	200	4.94	-0.15	
<b>Sub Total (B)</b>	<b>1320</b>	<b>822</b>	<b>876</b>	<b>890</b>	<b>18.80</b>	<b>784</b>	<b>19.73</b>	<b>-0.92</b>	
<b>C. NHPC</b>									
Chamera I HPS (3*180)	540	537	365	0	5.01	209	4.80	0.21	
Chamera II HPS (3*100)	300	284	301	0	2.63	110	2.63	0.00	
Chamera III HPS (3*77)	231	229	233	0	1.85	77	1.70	0.15	
Bairasuli HPS(3*60)	180	179	181	0	1.01	42	0.97	0.04	
Saikal-HPS (6*115)	690	240	459	222	6.33	264	5.77	0.56	
Tanakpur-HPS (3*40)	94	56	61	61	1.48	62	1.33	0.15	
Uri-I HPS (4*120)	480	289	263	263	7.58	316	6.97	0.61	
Uri-II HPS (4*60)	240	168	242	162	4.17	174	4.03	0.13	
Dhauliganga-HPS (4*70)	280	280	280	0	2.57	107	2.38	0.19	
Dulhasti-HPS (3*130)	390	322	269	136	6.79	283	6.64	0.15	
Sewa-II HPS (3*40)	120	119	129	0	1.02	42	0.80	0.22	
Parbati 3 (4*130)	520	282	132	0	0.81	34	0.85	-0.04	
<b>Sub Total (C)</b>	<b>4065</b>	<b>2985</b>	<b>2915</b>	<b>844</b>	<b>41</b>	<b>1719</b>	<b>39</b>	<b>2</b>	
<b>D.SJVNL</b>									
NJPC (6*250)	1500	1605	1521	0	15.29	637	15.28	0.01	
Rampur HEP (6*68.67)	412	360	372	0	4.33	180	4.18	0.14	
<b>Sub Total (D)</b>	<b>1912</b>	<b>1965</b>	<b>1893</b>	<b>0</b>	<b>19.62</b>	<b>817</b>	<b>19.46</b>	<b>0.16</b>	
<b>E. THDC</b>									
Tehri HPS (4*250)	1000	1080	814	0	11.84	493	11.66	0.18	
Koteshwar HPS (4*100)	400	146	302	92	3.94	164	3.90	0.04	
<b>Sub Total (E)</b>	<b>1400</b>	<b>1226</b>	<b>1116</b>	<b>92</b>	<b>15.78</b>	<b>658</b>	<b>15.56</b>	<b>0.22</b>	
<b>F. BBMB</b>									
Bhakra HPS (2*108+3*126+5*157)	1379	756	1200	526	17.89	745	18.14	-0.25	
Dehar HPS (6*165)	990	288	660	165	7.12	297	6.91	0.21	
Pong HPS (6*66)	396	277	384	258	6.52	272	6.64	-0.11	
<b>Sub Total (F)</b>	<b>2765</b>	<b>1320</b>	<b>2244</b>	<b>949</b>	<b>31.53</b>	<b>1314</b>	<b>31.68</b>	<b>-0.15</b>	
<b>G. IPP(s)/JV(s)</b>									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	96	71	1.20	50	1.15	0.05	
KARCHAM W ANGT00 HPS(IPP) (4*250)	1000	0	770	210	8.34	348	8.07	0.27	
Malana Stg-II HPS (2*50)	100	0	105	25	0.61	25	0.57	0.04	
Shree Cement TPS (2*150)	300	0	143	141	3.45	144	3.65	-0.20	
Budhil HPS(IPP) (2*35)	70	0	76	0	0.53	22	0.49	0.04	
Sub Total (G)	1662	0	1190	448	14.13	589	13.93	0.20	
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>18936</b>	<b>19182</b>	<b>10879</b>	<b>327.26</b>	<b>13636</b>	<b>327.11</b>	<b>0.15</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	670	640	15.94	664	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	200	200	4.54	189	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	799	811	18.80	783	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	1381	1062	28.44	1185	
	Talwandi Saboo (1*660)	660	0	348	4.45	185	
	<b>Thermal (Total)</b>	<b>4700</b>	<b>3050</b>	<b>3061</b>	<b>72.17</b>	<b>3007</b>	
	Total Hydro	1000	477	487	12.35	515	
<b>Total Punjab</b>	<b>5700</b>	<b>3527</b>	<b>3548</b>	<b>84.52</b>	<b>3522</b>		
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	647	394	13.29	554	
	DCRTPP (Yamuna nagar) (2*300)	600	556	463	12.59	525	
	Faridabad GPS (NTPC)	432	154	164	4.06	169	
	RGTTP (khedar) (IPP) (2*600)	1200	576	774	21.11	880	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar(CLP) (2*660)	1320	563	370	12.26	511	
	<b>Thermal (Total)</b>	<b>4944</b>	<b>2496</b>	<b>2165</b>	<b>63.31</b>	<b>2638</b>	
	Total Hydro	62	22	19	0.52	21	
	<b>Total Haryana</b>	<b>5006</b>	<b>2518</b>	<b>2184</b>	<b>63.82</b>	<b>2659</b>	
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	831	849	20.37	849
suratgarh TPS (6*250)		1500	572	770	15.89	662	
Chabra TPS (4*250)		1000	374	379	9.00	375	
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	148	212	3.75	156	
RAPS A (NPC) (1*100+1*200)		300	160	161	3.96	165	
Barsingar (NLC) (2*125)		250	95	97	2.19	91	
Giral LTPS (2*125)		250	97	91	1.86	78	
Rajwest LTPS (IPP) (8*135)		1080	407	409	12.05	502	
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0	
Kalisindh Thermal(2*600)		1200	924	880	22.64	943	
Kawati(Adani) (2*660)		1320	900	860	23.14	964	
<b>Thermal (Total)</b>		<b>8876</b>	<b>4508</b>	<b>4708</b>	<b>115</b>	<b>4785</b>	
Total Hydro		550	115	0	1.19	50	
Wind power		3214	1116	1512	31.03	1293	
Biomass		99	21	21	0.51	21	
Solar		730	0	0	2.58	107	
Renewable/Others (Total)		4043	1137	1533	34.12	1421	
<b>Total Rajasthan</b>		<b>13469</b>	<b>5760</b>	<b>6241</b>	<b>150.15</b>	<b>6256</b>	
UP		Anpara TPS (3*210+2*500)	1630	1315	1358	31.80	1325
		Obra TPS (2*50+2*94+5*200)	1194	446	455	10.80	450
		Paricha TPS (2*110+2*220+2*250)	1140	580	584	14.20	592
		Panki TPS (2*105)	210	68	50	1.40	58
	Haridwar TPS (1*60+1*105+2*250)	665	321	310	7.30	304	
	Tanda TPS (NTPC) (4*110)	440	370	385	8.98	374	
	Roza TPS (IPP) (4*300)	1200	1080	1067	25.70	1071	
	Anpara-C (IPP) (2*600)	1200	1076	1085	25.90	1079	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	337	363	7.20	300	
	Anpara-D(1*500)	500	0	0	0.00	0	
	Lalitpur TPS(1*660)	660	390	389	8.70	363	
	<b>Thermal (Total)</b>	<b>9289</b>	<b>5983</b>	<b>6046</b>	<b>142</b>	<b>5916</b>	
	Vishnuparyag HPS (IPP)(4*110)	440	281	276	6.30	263	
	Alakanada(4*82.5)	330	130	146	3.40	142	
	Other Hydro	527	76	59	2.00	83	
	Cogeneration	981	100	100	2.40	100	
	<b>Total UP</b>	<b>11567</b>	<b>6570</b>	<b>6627</b>	<b>156</b>	<b>6503</b>	
Uttarakhand	Total Hydro	1398	791	635	16.32	680	
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>791</b>	<b>635</b>	<b>16.32</b>	<b>680</b>	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	36	35	0.90	37	
	Pragati Gas Turbine (2x104+ 1x122)	330	144	149	3.57	149	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	259	250	6.13	255	
	Badarpur TPS (NTPC) (3*95+2*210)	705	168	170	3.66	153	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>607</b>	<b>604</b>	<b>14.24</b>	<b>594</b>	
	<b>Total Delhi</b>	<b>2917</b>	<b>607</b>	<b>604</b>	<b>14.24</b>	<b>594</b>	
HP	Baspa HPS (IPP) (3*100)	300	64	64	2.51	105	
	Malana HPS (IPP) (2*43)	86	45	45	0.60	25	
	Other Hydro	878	286	261	6.73	281	
	<b>Total HP</b>	<b>1264</b>	<b>395</b>	<b>370</b>	<b>9.85</b>	<b>410</b>	
J & K	Baglihar HPS (IPP) (3*150)	450	390	390	9.36	390	
	Other Hydro/IPP	560	18	124	2.45	102	
	Gas/Diesel/Others	190	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1200</b>	<b>408</b>	<b>514</b>	<b>11.81</b>	<b>492</b>	
<b>Total State Control Area Generation</b>		<b>42521</b>	<b>20576</b>	<b>20723</b>	<b>506.79</b>	<b>21116</b>	
<b>J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))</b>			<b>5837</b>	<b>7981</b>	<b>159.66</b>	<b>6652</b>	
<b>Total Regional Availability(Gross)</b>		<b>67758</b>	<b>45594</b>	<b>39583</b>	<b>993.71</b>	<b>41405</b>	

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	9796	2191	126.71	5280
State Control Area Hydro	6581	2695	2506	64	2656
<b>Total Regional Hydro</b>	<b>18815</b>	<b>12491</b>	<b>4697</b>	<b>190.44</b>	<b>7935</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	
Vindhychal(HVDC B/B)	-50	50	250	150	2.12	0.46	1.66
765 KV Gwalior-Agra (D/C)	1840	3138	3808	0	55.75	0.00	55.75
400 KV Zerda-Kankrol	-121	-74	0	247	0.00	3.27	-3.27
400 KV Zerda-Bhinmal	-117	-63	0	295	0.00	2.97	-2.97
220 KV Auraiya-Malanpur	-168	-180	0	12	0.00	3.36	-3.36
220 KV Badoh-Kota/Morak	-8	10	19	86	-0.96	0.96	-1.91
Mundra-Mohindergarh(HVDC Bipole)	2500	2502	2505	0	60.42	0.00	60.42
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1020	1156	1156	0	23.54	0.00	23.54
<b>Sub Total WR</b>	<b>4896</b>	<b>6539</b>			<b>140.87</b>	<b>11.01</b>	<b>129.86</b>
Pusauli Bypass/HVDC	400	300	400	0	7.72	0.00	7.72
400 KV MZP- GKP (D/C)	8	276	388	0	5.30	0.00	5.30
400 KV Patna-Balia(D/C) X 2	226	242	289	0	6.18	0.00	6.18
400 KV B'Shanif-Balia (D/C)	4	79	127	0	1.45	0.00	1.45
765 KV Gaya-Balia	65	109	134	0	1.08	0.00	1.08
765 KV Gaya-Fatehpur	174	133	200	73	1.87	0.00	1.87
220 KV Pusauli-Sahupuri	181	119	183	0	3.53	0.00	3.53
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-26	0	30	0.00	0.60	-0.60
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-232	-25	50	234	0.00	1.76	-1.76
400 KV Barh -GKP (D/C)	141	235	290	0	5.04	0.00	5.04
<b>Sub Total ER</b>	<b>941</b>	<b>1442</b>			<b>32.16</b>	<b>2.36</b>	<b>29.80</b>
+/- 800 KV BiswanathChariali-Agra	0	0	0	0	0.00	0.00	0.00
<b>Sub Total NER</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>5837</b>	<b>7981</b>			<b>173.03</b>	<b>13.37</b>	<b>159.66</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
30.33	2.44	32.77	3.12	0.66	7.01	16.08	1.32	-1.32	
<b>Total IR Schedule (MU)</b>									
Through ER	Through WR Incids Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total	
44.22	115.16	159.37	29.80	129.86	159.66	-14.42	14.70	0.28	

**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	
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	1.68	13.94	56.65	69.86	11.71	4.21	0.31	0.00

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

Maximum				Minimum		Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Freq	Time	Freq	Time	Hz	MAX (Hz)				MIN (Hz)	
50.25	18.01	49.75	18.12	49.98	0.059	0.075	50.21	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	404	04:01	400	00:33	0.0	0.0	0.0	0.0
Gorakhpur	400	415	08:05	398	11:26	0.0	0.0	0.0	0.0
Bareilly	400	410	02:00	391	18:39	0.0	0.0	0.0	0.0
Kanpur	400	411	00:00	9999	00:00	0.0	0.0	0.0	0.0
Dadri	400	416	01:52	400	18:35	0.0	0.0	0.0	0.0
Ballabhgarh	400	423	04:02	403	18:36	0.0	0.0	5.6	0.0
Bawana	400	419	01:59	400	18:39	0.0	0.0	0.0	0.0
Bassi	400	423	04:02	401	18:42	0.0	0.0	0.6	0.0
Hissar	400	416	01:52	398	11:23	0.0	0.0	0.0	0.0
Moga	400	421	02:49	402	11:20	0.0	0.0	0.3	0.0
Abdullapur	400	423	01:52	400	18:39	0.0	0.0	5.2	0.0
Nalagarh	400	431	03:40	404	18:35	0.0	0.0	21.9	0.7
Kishenpur	400	429	02:45	402	18:51	0.0	0.0	18.6	0.0
Wagoora	400	417	03:40	382	18:51	0.0	10.8	0.0	0.0
Amritsar	400	425	03:40	400	11:40	0.0	0.0	16.1	0.0
Kashipur	400	416	01:58	407	18:37	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	404	01:59	380	11:40	0.0	15.7	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	08:06	741	18:38	0.0	0.1	0.0	0.0
Balia	765	767	08:05	738	22:20	0.0	3.4	0.0	0.0
Moga	765	800	04:02	766	11:24	0.0	0.0	0.0	0.0
Agra	765	787	04:02	752	18:42	0.0	0.0	0.0	0.0
Bhiwani	765	796	01:53	758	11:40	0.0	0.0	0.0	0.0
Unnao	765	755	08:03	730	18:35	0.0	49.6	0.0	0.0
Lucknow	765	767	08:05	739	18:38	0.0	2.0	0.0	0.0
Meerut	765	803	01:58	769	18:41	0.0	0.0	5.1	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	768	00:00	768	00:00	0.0	0.0	0.0	0.0
Phagi	765	787	03:59	756	10:50	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	510.69	1575.10	509.26	1515.08	413.23	512.39
Pong	426.72	384.05	420.24	902.94	415.93	718.14	89.57	379.45
Tehri	829.79	740.04	820.75	1017.27	818.40	972.25	106.84	263.00
Koteshwar	612.50	598.50	610.94	4.95	609.05	4.21	262.00	259.56
Chamera-I	760.00	748.75	755.96	0.00	0.00	0.00	115.44	135.68
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	513.55	4.02	512.18	5.16	128.37	154.41

\* 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	-90	122	0	-95	171	0	-1.95	4.26	2.31
Delhi	-94	382	-2	5	345	-2	-1.27	10.89	9.62
Haryana	39	236	0	39	226	0	0.94	5.54	6.49
HP	-50	186	0	-50	-495	0	-1.20	-1.68	-2.88
J&K	-39	0	0	-39	35	0	-0.55	0.97	0.42
CHD	0	0	0	0	0	0	0.00	0.33	0.33
Rajasthan	-5	324	2	-5	193	2	-0.12	4.33	4.20
UP	264	146	0	282	0	0	6.59	3.71	10.30
Uttarakhand	148	61	0	148	75	0	3.56	1.26	4.82
<b>Total</b>	<b>173</b>	<b>1457</b>	<b>0</b>	<b>286</b>	<b>550</b>	<b>0</b>	<b>6.00</b>	<b>29.62</b>	<b>35.61</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-70	-95	246	110	0	0
Delhi	35	-94	765	101	0	-2
Haryana	39	39	240	212	0	0
HP	-50	-50	206	-554	0	0
J&K	11	-39	185	-115	0	0
CHD	0	0	50	0	0	0
Rajasthan	-5	-5	576	-371	2	2
UP	312	205	495	0	0	0
Uttarakhand	148	148	205	-111	0	0

**XI. System Constraints:**

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

**XIII. Weather Conditions For 10.10.2015 :**

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 :**