

# पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(सार्वजनिक की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 08.11.2015  
Date of Reporting : 09.11.2015

### I. Regional Availability/Demand:

Evening Peak (19:00 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
37438	613	38052	49.91	28634	1775	30409	50.07	781.2	34.01

\* 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:

UI [OD:(+ve), UD: (-ve)]

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	27.93	10.29		38.22	49.67	49.75	0.08	87.97	0.00
Haryana	40.52	0.45		40.96	63.65	61.97	-1.68	102.93	0.00
Rajasthan	110.29	5.15	16.82	132.26	72.32	74.22	1.90	206.48	0.00
Delhi	8.81			8.81	49.06	50.53	1.46	59.34	0.00
UP	111.07	6.23		117.30	110.71	107.37	-3.34	224.67	24.51
Uttarakhand		8.00		8.00	21.54	24.80	3.26	32.80	0.00
HP		6.06		6.06	16.57	17.60	1.03	23.66	0.00
J & K		9.26	0.00	9.26	30.12	30.99	0.87	40.25	9.50
Chandigarh				0.00	3.11	3.07	0.27	3.07	0.00
<b>Total</b>	<b>298.61</b>	<b>45.43</b>	<b>16.82</b>	<b>360.87</b>	<b>416.76</b>	<b>420.30</b>	<b>3.85</b>	<b>781.17</b>	<b>34.01</b>

\* Shortage furnished by the respective constituent.\$ Others include UP Co-generation and JK Diesel

### II. B. State's Demand Met in MWs:

UI/OA/PX [OD/Import: (+ve), UD/Export: (-ve)]

State	Evening Peak (19:00 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	3945	0	-153	-315	3122	0	82	-379	4330
Haryana	6054	0	-116	-259	3235	0	-207	-227	6054
Rajasthan	8850	0	-57	168	8417	0	81	637	9815
Delhi	3019	0	-1	-189	1796	0	161	-851	3026
UP	10645	140	-520	-241	8566	1500	-71	114	11205
Uttarakhand	1681	0	95	230	1070	0	99	205	1707
HP	1188	0	100	-449	782	0	110	251	1236
J&K	1893	473	128	155	1556	275	79	247	1920
Chandigarh	163	0	-10	-70	92	0	1	-30	163
<b>Total</b>	<b>37438</b>	<b>613</b>	<b>-533</b>	<b>-971</b>	<b>28634</b>	<b>1775</b>	<b>335</b>	<b>-33</b>	<b>37438</b>

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

Diversity is 1.05

### III. Regional Entities :

UI [OG:(+ve), UG: (-ve)]

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	1900	2052	1857	45.46	1894	45.01	0.46
	Rihand I STPS (2*500)	1000	816	678	805	18.38	766	18.17	0.21
	Rihand II STPS (2*500)	1000	954	741	902	20.65	860	20.31	0.34
	Rihand III STPS (2*500)	1000	888	699	992	20.34	847	20.52	-0.19
	Dadri I STPS (4*210)	840	810	158	137	3.58	149	3.65	-0.07
	Dadri II STPS (2*490)	980	980	397	328	8.53	355	9.08	-0.55
	Unchahar I TPS (2*210)	420	406	300	297	7.18	299	7.78	-0.61
	Unchahar II TPS (2*210)	420	404	275	254	6.51	271	6.90	-0.39
	Unchahar III TPS (1*220)	210	202	150	142	3.37	140	3.55	-0.18
	ISTPP (Jhajjar) (3*500)	1500	1493	666	630	14.47	603	14.85	-0.38
	Dadri GPS (4*130.19+2*154.51)	830	690	278	282	6.65	277	7.07	-0.42
	Anta GPS (3*88.71+1*153.2)	419	275	160	171	4.20	175	4.58	-0.38
	Auraiya GPS (4*111.19+2*109.30)	663	652	197	189	4.64	193	4.73	-0.09
	Dadri Solar	5	1	0	0	0.02	1	0.01	0.00
	Unchahar Solar	10	1	0	0	0.02	1	0.04	-0.02
	Singrauli Solar	15	2	0	0	0.03	1	0.05	-0.01
	KHEP	800	870	350	0	2.95	123	2.80	0.15
<b>Sub Total (A)</b>	<b>12112</b>	<b>11343</b>	<b>7101</b>	<b>6986</b>	<b>167</b>	<b>6957</b>	<b>169</b>	<b>-2</b>	
B. NPC	NAPS (2*220)	440	400	438	442	9.59	400	9.60	-0.01
	RAPS- B (2*220)	440	393	433	437	9.46	394	9.43	0.02
	RAPS- C (2*220)	440	410	453	456	9.81	409	9.84	-0.03
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1203</b>	<b>1324</b>	<b>1335</b>	<b>28.85</b>	<b>1202</b>	<b>28.87</b>	<b>-0.02</b>
C. NHPC	Chamera I HPS (3*180)	540	540	552	0	1.76	74	1.62	0.14
	Chamera II HPS (3*100)	300	200	201	0	1.92	80	1.92	0.00
	Chamera III HPS (3*77)	231	229	200	0	1.15	48	1.05	0.10
	Bairasuli HPS (3*60)	180	179	114	0	0.90	37	0.85	0.04
	Salal-HPS (6*115)	690	225	435	230	6.18	258	5.39	0.79
	Tanakpur-HPS (3*40)	94	33	47	31	0.87	36	0.79	0.09
	Uri-I HPS (4*120)	480	473	475	471	11.45	477	11.35	0.10
	Uri-II HPS (4*60)	240	238	241	241	5.75	240	5.72	0.03
	Dhauliganga-HPS (4*70)	280	265	220	0	1.32	55	1.18	0.14
	Dulhasti-HPS (3*130)	390	387	389	0	5.01	209	5.00	0.01
	Sewa-II HPS (3*40)	120	119	124	0	1.01	42	0.90	0.11
	Parbati 3 (4*130)	520	130	133	0	0.81	34	0.59	0.22
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3017</b>	<b>3132</b>	<b>974</b>	<b>38</b>	<b>1589</b>	<b>36</b>	<b>2</b>
	D. SJVNL	NJPC (6*250)	1500	1605	1618	0	11.01	459	10.87
Rampur HEP (6*68.67)		412	432	439	0	3.10	129	3.01	0.09
<b>Sub Total (D)</b>		<b>1912</b>	<b>2037</b>	<b>2057</b>	<b>0</b>	<b>14.11</b>	<b>588</b>	<b>13.88</b>	<b>0.23</b>
E. THDC	Tehri HPS (4*250)	1000	1080	1073	0	5.16	215	5.00	0.16
	Koteshwar HPS (4*100)	400	92	102	90	2.22	93	2.20	0.02
	<b>Sub Total (E)</b>	<b>1400</b>	<b>1172</b>	<b>1175</b>	<b>90</b>	<b>7.38</b>	<b>308</b>	<b>7.20</b>	<b>0.18</b>
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	583	1041	367	14.13	589	13.99	0.13
	Dehar HPS (6*165)	990	184	495	0	4.58	191	4.42	0.16
	Pong HPS (6*66)	396	216	318	126	5.05	210	5.19	-0.14
	<b>Sub Total (F)</b>	<b>2765</b>	<b>983</b>	<b>1854</b>	<b>493</b>	<b>23.75</b>	<b>990</b>	<b>23.60</b>	<b>0.15</b>
	G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	108	0	0.73	30	0.69
KARCHAM WANGTOO HPS(IPP) (4*250)		1000	0	850	0	0.59	25	5.88	-5.29
Malana Stg-II HPS (2*50)		100	0	0	0	0.29	12	0.29	0.00
Shree Cement TPS (2*150)		300	0	260	261	6.24	260	6.25	-0.01
Budhil HPS(IPP) (2*35)		70	0	75	0	0.26	11	0.27	0.00
<b>Sub Total (G)</b>		<b>1662</b>	<b>0</b>	<b>1293</b>	<b>261</b>	<b>8.11</b>	<b>338</b>	<b>13.38</b>	<b>-5.26</b>
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>19755</b>	<b>17936</b>	<b>10138</b>	<b>287.31</b>	<b>11971</b>	<b>292.37</b>	<b>-5.06</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	160	160	3.53	147	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	80	80	1.91	80	
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	200	207	4.74	197	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	715	692	17.75	740	
	Talwandi Saboo (2*660)	1320	0	0	0.00	0	
	<b>Thermal (Total)</b>	<b>5360</b>	<b>1155</b>	<b>1139</b>	<b>27.93</b>	<b>1164</b>	
	Total Hydro	1000	433	405	10.29	429	
	<b>Total Punjab</b>	<b>6360</b>	<b>1588</b>	<b>1544</b>	<b>38.22</b>	<b>1592</b>	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	552	454	11.26	469	
Faridabad GPS (NTPC)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	1136	749	19.49	812	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	604	377	9.76	407	
<b>Thermal (Total)</b>		<b>4944</b>	<b>2292</b>	<b>1580</b>	<b>40.52</b>	<b>1688</b>	
Total Hydro		62	15	23	0.45	19	
<b>Total Haryana</b>		<b>5006</b>	<b>2307</b>	<b>1603</b>	<b>40.96</b>	<b>1707</b>	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	504	541	12.39	516
	suratgarh TPS (6*250)	1500	218	197	4.96	207	
	Chabra TPS (4*250)	1000	388	419	9.63	401	
	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	203	198	5.08	212	
	RAPS A (NPC) (1*100+1*200)	300	161	162	3.96	165	
	Barsingar (NLC) (2*125)	250	187	187	4.39	183	
	Giral LTPS (2*125)	250	0	59	0.43	18	
	Rajwest LTPS (IPP) (8*135)	1080	764	835	19.46	811	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	979	1141	23.14	964	
	Kawai(Adani) (2*660)	1320	1106	1142	26.86	1119	
	<b>Thermal (Total)</b>	<b>8876</b>	<b>4510</b>	<b>4881</b>	<b>110</b>	<b>4595</b>	
	Total Hydro	550	227	215	5.15	215	
	Wind power	3214	538	433	16.15	673	
	Biomass	99	28	28	0.67	28	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	566	461	16.82	701	
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5303</b>	<b>5557</b>	<b>132.26</b>	<b>5511</b>	
	UP	Anpara TPS (3*210+2*500)	1630	1355	1381	33.00	1375
Obra TPS (2*50+2*94+5*200)		1194	483	473	11.39	475	
Paricha TPS (2*110+2*220+2*250)		1140	633	593	14.87	619	
Panki TPS (2*105)		210	68	0	0.09	4	
Harduaganj TPS (1*60+1*105+2*250)		665	441	451	10.17	424	
Tanda TPS (NTPC) (4*110)		440	183	132	3.81	159	
Roza TPS (IPP) (4*300)		1200	846	194	10.84	452	
Anpara-C (IPP) (2*600)		1200	1080	900	24.96	1040	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	57	57	1.35	56	
Anpara-D(1*500)		500	0	0	0.00	0	
Lalitpur TPS(1*660)		660	0	0	0.00	0	
Bara(1*660)		660	0	0	0.00	0	
<b>Thermal (Total)</b>		<b>9949</b>	<b>5146</b>	<b>4181</b>	<b>110</b>	<b>4603</b>	
Vishnuparyag HPS (IPP)(4*110)		440	122	122	2.90	121	
Alakanada(4*82.5)		330	82	81	1.98	82	
Other Hydro		527	37	54	1.36	57	
Cogeneration		981	25	25	0.60	25	
<b>Total UP</b>		<b>12227</b>	<b>5412</b>	<b>4463</b>	<b>117</b>	<b>4888</b>	
Uttarakhand		Total Hydro	1398	461	271	8.00	333
		<b>Total Uttarakhand</b>	<b>1398</b>	<b>461</b>	<b>271</b>	<b>8.00</b>	<b>333</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1	
	Delhi Gas Turbine (6x30 + 3x34)	282	35	34	0.89	37	
	Pragati Gas Turbine (2x104+ 1x122)	330	154	159	3.76	157	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	0	0	-0.14	-6	
	Badarpur TPS (NTPC) (3*95+2*210)	705	164	165	4.32	180	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>353</b>	<b>358</b>	<b>8.81</b>	<b>367</b>	
	<b>Total Delhi</b>	<b>2917</b>	<b>353</b>	<b>358</b>	<b>8.81</b>	<b>367</b>	
HP	Baspa HPS (IPP) (3*100)	300	79	0	1.61	67	
	Malana HPS (IPP) (2*43)	86	33	0	0.27	11	
	Other Hydro	878	182	121	4.19	175	
	<b>Total HP</b>	<b>1264</b>	<b>294</b>	<b>121</b>	<b>6.06</b>	<b>253</b>	
J & K	Baglihar HPS (IPP) (3*150)	450	290	290	6.96	290	
	Other Hydro/IPP	560	101	118	2.30	96	
	Gas/Diesel/Others	190	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1200</b>	<b>391</b>	<b>408</b>	<b>9.26</b>	<b>386</b>	
<b>Total State Control Area Generation</b>		<b>43841</b>	<b>16109</b>	<b>14325</b>	<b>360.87</b>	<b>15036</b>	
<b>J. Net Inter Regional Exchange</b> [(Import +ve)/Export (-ve)]			<b>5618.81</b>	<b>5503.29</b>	<b>152.49</b>	<b>6354</b>	
<b>Total Regional Availability(Gross)</b>		<b>69078</b>	<b>39664</b>	<b>29967</b>	<b>800.67</b>	<b>33361</b>	

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	9526	1556	87.93	3664
State Control Area Hydro	6581	2062	1700	45	1893
<b>Total Regional Hydro</b>	<b>18815</b>	<b>11588</b>	<b>3256</b>	<b>133.36</b>	<b>5557</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	MW	MW	Import	Export	Import	Export	
Vindhyachal(HVDC B/B)	100	-100	200	100	2.03	0.79	1.24		
765 KV Gwalior-Agra (D/C)	2037	2526	2780	0	60.15	0.00	60.15		
400 KV Zerda-Kankroli	-169	-96	0	276	0.00	3.19	-3.19		
400 KV Zerda-Bhinmal	116	43	28	281	0.00	1.99	-1.99		
220 KV Auraiya-Malanpur	-86	-81	0	102	0.00	1.70	-1.70		
220 KV Badod-Kota/Morak	-52	-76	0	136	0.00	1.87	-1.87		
Mundra-Mohindergarh(HVDC Bipole)	2300	1698	2305	0	51.94	0.00	51.94		
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 kV Phagi-Gwalior (D/C)	726	773	1127	0	21.49	0.00	21.49		
<b>Sub Total WR</b>	<b>4972</b>	<b>4687</b>			<b>135.61</b>	<b>9.55</b>	<b>126.07</b>		
Pusaull Bypass/HVDC	50	50	50	0	1.27	0.00	1.27		
400 KV MZP- GKP (D/C)	70	274	454	0	6.65	0.00	6.65		
400 KV Patna-Balia(D/C) X 2	189	212	368	0	6.04	0.00	6.04		
400 KV B'Sharif-Balia (D/C)	-32	71	143	48	1.08	0.00	1.08		
765 KV Gaya-Balia	60	174	122	0	1.73	0.00	1.73		
765 KV Gaya-Fatehpur	48	65	270	0	3.48	0.00	3.48		
220 KV Pusaull-Sahupuri	141	117	141	0	2.58	0.00	2.58		
132 KV K'nasa-Sahupuri	0	0	0	0	2.47	0.00	2.47		
132 KV Son Ngr-Rihand	-26	-24	0	30	0.00	0.58	-0.58		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-85	-37	134	109	0.72	0.00	0.72		
400 KV Barh -GKP (D/C)	232	315	368	0	7.69	0.00	7.69		
<b>Sub Total ER</b>	<b>647</b>	<b>1217</b>			<b>33.70</b>	<b>0.58</b>	<b>33.12</b>		
+/- 800 KV BiswanathCharialli-Agra	0	-401	0	401	0.00	6.69	-6.69		
<b>Sub Total NER</b>	<b>0</b>	<b>-401</b>			<b>0.00</b>	<b>6.69</b>	<b>-6.69</b>		
<b>Total IR Exch</b>	<b>5619</b>	<b>5503</b>			<b>169.31</b>	<b>16.81</b>	<b>152.49</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	Total	Through ER	Through WR	Through ER	Through WR
28.29	1.07	29.35	3.67	-17.12	11.47	6.98	6.10	-6.10	
<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(including NER)	Through WR	Total	Through ER(including NER)	Through WR	Total	Total
50.59	87.67	138.27	26.43	126.07	152.49	-24.16	38.39	14.23	

**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	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-32	-30	0	34	0	1	-0.72		

**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	0.03	0.79	9.75	55.06	71.54	14.53	4.03	0.21	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					
50.24	16.03	49.70	17.52	49.99	0.049	0.069	0.00	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	408	18:54	401	00:27	0.0	0.0	0.0	0.0
Gorakhpur	400	423	21:46	408	05:49	0.0	0.0	5.0	0.0
Bareilly(PG)400kV	400	421	05:03	402	18:07	0.0	0.0	0.1	0.0
Kanpur	400	411	03:02	406	18:07	0.0	0.0	4.0	0.0
Dadri	400	427	04:00	400	18:07	0.0	0.0	21.7	0.0
Ballabgarh	400	430	04:00	404	18:07	0.0	0.0	37.9	0.0
Bawana	400	428	03:55	403	18:09	0.0	0.0	28.6	0.0
Bassi	400	426	21:44	395	06:45	0.0	0.0	8.0	0.0
Hissar	400	422	04:00	398	18:20	0.0	0.0	3.0	0.0
Moga	400	425	02:41	403	18:14	0.0	0.0	19.7	0.0
Abdullapur	400	428	01:42	400	18:22	0.0	0.0	26.9	0.0
Nalagarh	400	436	02:40	411	18:20	0.0	0.0	60.5	19.3
Kishenpur	400	428	03:00	400	18:18	0.0	0.0	18.9	0.0
Wagoora	400	412	03:38	378	18:27	2.8	25.5	0.0	0.0
Amritsar	400	430	02:22	408	18:19	0.0	0.0	41.9	0.0
Kashipur	400	421	04:00	411	17:57	0.0	0.0	2.4	0.0
Hamirpur	400	430	03:03	405	18:19	0.0	0.0	39.2	0.0
Rishikesh	400	420	04:03	384	17:59	0.0	10.1	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	781	21:46	638	16:25	0.1	0.1	0.0	0.0
Balia	765	779	21:56	755	18:39	0.0	0.0	0.0	0.0
Moga	765	802	04:00	772	06:41	0.0	0.0	10.6	0.0
Agra	765	795	21:47	758	18:07	0.0	0.0	0.0	0.0
Bhiwani	765	803	21:47	764	18:05	0.0	0.0	10.0	0.0
Unnao	765	777	21:46	753	18:09	0.0	0.0	0.0	0.0
Lucknow	765	786	21:56	759	18:07	0.0	0.0	0.0	0.0
Meerut	765	809	05:03	760	18:12	0.0	0.0	14.1	0.0
Jhatikara	765	805	00:00	759	00:00	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	803	00:00	761	00:00	0.0	0.0	0.0	0.0
Anta	765	783	20:11	759	06:24	0.0	0.0	0.0	0.0
Phagi	765	786	04:01	751	06:42	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	508.73	1485.27	506.13	1367.40	186.04	395.44
Pong	426.72	384.05	417.97	794.52	412.63	588.94	58.90	301.77
Tehri	829.79	740.04	816.15	925.25	822.75	1060.00	74.60	118.00
Koteshwar	612.50	598.50	611.02	5.20	608.96	4.21	118.00	146.00
Chamera-I	760.00	748.75	757.95	0.00	0.00	0.00	70.69	47.82
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	509.49	3.97	510.36	0.43	77.99	173.59

\* 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	-620	241	0	-601	286	0	-11.58	6.36	-5.22
Delhi	-693	-158	0	-496	306	0	-13.36	4.80	-8.56
Haryana	-312	85	0	-507	248	0	-8.61	1.05	-7.56
HP	83	167	0	232	-682	0	4.68	-2.32	2.36
J&K	373	-126	0	357	-201	0	8.58	-2.48	6.10
CHD	-30	0	0	0	-70	0	-0.24	-0.45	-0.69
Rajasthan	0	637	0	0	168	0	6.93	14.98	21.91
UP	114	0	0	-241	0	0	-3.11	0.00	-3.11
Uttarakhand	197	8	0	197	34	0	4.72	2.97	7.70
<b>Total</b>	<b>-888</b>	<b>855</b>	<b>0</b>	<b>-1060</b>	<b>89</b>	<b>0</b>	<b>-12.00</b>	<b>24.92</b>	<b>12.92</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-196	-620	309	188	0	0
Delhi	-491	-693	581	-163	0	0
Haryana	-297	-507	286	-506	0	0
HP	257	83	174	-839	0	0
J&K	373	337	0	-226	0	0
CHD	0	-30	0	-80	0	0
Rajasthan	533	0	1499	-542	0	0
UP	148	-286	0	0	0	0
Uttarakhand	197	197	366	-34	0	0

**XI. System Constraints:**

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

**XIII. Weather Conditions For 08.11.2015 :**  
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 :**