

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसईड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 11.01.2016  
Date of Reporting : 12.01.2016

### 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
40086	1691	41777	50.05	29596	464	30059	50.11	849.4	44.32

\* 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	46.78	10.78		57.56	46.78	48.63	1.85	106.19	0.00
Haryana	44.30	0.31		44.60	72.18	70.64	-1.54	115.24	0.00
Rajasthan	133.27	4.74	6.67	144.67	76.03	79.22	3.19	223.90	0.00
Delhi	16.24			16.24	45.25	44.36	-0.89	60.60	0.01
UP	124.20	4.80		129.00	103.15	105.61	2.45	234.61	33.59
Uttarakhand		10.30		10.30	24.40	25.71	1.31	36.01	0.58
HP		3.88		3.88	22.07	22.45	0.38	26.33	0.02
J & K		6.30	0.00	6.30	36.03	36.64	0.62	42.94	10.13
Chandigarh				0.00	3.62	3.62	0.27	3.62	0.00
<b>Total</b>	<b>364.78</b>	<b>41.11</b>	<b>6.67</b>	<b>412.56</b>	<b>429.50</b>	<b>436.87</b>	<b>7.64</b>	<b>849.43</b>	<b>44.32</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)
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	
Punjab	4595	0	-142	-489	3237	0	135	47	5334
Haryana	6462	0	96	-329	3161	-309	162	-309	6462
Rajasthan	9625	0	55	667	8368	0	41	689	10318
Delhi	3067	0	-173	-124	1447	0	110	-964	3604
UP	10892	1100	29	94	9810	180	87	102	10892
Uttarakhand	1835	75	22	596	1124	0	33	279	1908
HP	1353	0	-16	368	752	0	90	310	1417
J&K	2065	516	79	729	1607	284	-8	703	2065
Chandigarh	192	0	-16	0	90	0	6	-31	218
<b>Total</b>	<b>40086</b>	<b>1691</b>	<b>-66</b>	<b>1512</b>	<b>29596</b>	<b>464</b>	<b>656</b>	<b>826</b>	<b>40086</b>

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

# figures may not be at simultaneous hour.

Diversity is 1.05

### III. Regional Entities :

A. NTPC	Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
				(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
	Singrauli STPS (5*200+2*500)	2000	1704	1991	1476	40.34	1681	40.38	-0.05
	Rihand I STPS (2*500)	1000	878	905	625	18.38	766	18.89	-0.51
	Rihand II STPS (2*500)	1000	964	1034	634	20.02	834	20.72	-0.69
	Rihand III STPS (2*500)	1000	974	1000	824	20.61	859	21.44	-0.82
	Dadri I STPS (4*210)	840	815	447	435	10.03	418	10.60	-0.57
	Dadri II STPS (2*490)	980	980	468	339	9.07	378	9.79	-0.72
	Unchahar I TPS (2*210)	420	406	325	308	7.58	316	8.32	-0.74
	Unchahar II TPS (2*210)	420	404	293	271	6.99	291	7.73	-0.73
	Unchahar III TPS (1*220)	210	202	140	135	3.42	143	3.88	-0.46
	ISTPP (Jhajjar) (3*500)	1500	1500	843	634	15.43	643	15.80	-0.37
	Dadri GPS (4*130.19+2*154.51)	830	813	205	182	4.37	182	4.56	-0.19
	Anta GPS (3*88.71+1*153.2)	419	411	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	492	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	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar	15	2	0	0	0.05	2	0.04	0.01
	KHEP	800	870	849	0	2.72	113	2.61	0.11
	<b>Sub Total (A)</b>	<b>12112</b>	<b>11417</b>	<b>8500</b>	<b>5863</b>	<b>159</b>	<b>6628</b>	<b>165</b>	<b>-6</b>
B. NPC	NAPS (2*220)	440	408	443	450	9.86	411	9.79	0.06
	RAPS- B (2*220)	440	403	444	443	9.63	401	9.67	-0.05
	RAPS- C (2*220)	440	420	456	457	9.88	412	10.08	-0.20
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1231</b>	<b>1343</b>	<b>1350</b>	<b>29.37</b>	<b>1224</b>	<b>29.54</b>	<b>-0.18</b>
C. NHPC	Chamera I HPS (3*180)	540	540	490	0	1.84	77	1.62	0.22
	Chamera II HPS (3*100)	300	300	303	0	1.26	53	1.14	0.12
	Chamera III HPS (3*77)	231	154	151	0	0.68	28	0.60	0.08
	Bairasuli HPS(3*60)	180	124	126	0	0.54	23	0.50	0.04
	Salal-HPS (6*115)	690	156	230	115	4.49	187	3.71	0.78
	Tanakpur-HPS(3*40)	94	19	31	18	0.52	22	0.46	0.06
	Uri-I HPS (4*120)	480	218	323	154	5.42	226	5.21	0.21
	Uri-II HPS (4*60)	240	132	106	120	3.29	137	3.17	0.12
	Dhauliganga-HPS (4*70)	280	140	139	0	0.83	35	0.77	0.06
	Dulhasi-HPS (3*130)	390	258	269	0	2.92	121	2.80	0.12
	Sewa-II HPS (3*40)	120	119	0	0	0.37	16	0.37	0.01
	Parbati 3 (4*130)	520	0	0	0	0.81	34	0.00	0.81
	<b>Sub Total (C)</b>	<b>4065</b>	<b>2160</b>	<b>2168</b>	<b>407</b>	<b>23</b>	<b>957</b>	<b>20</b>	<b>3</b>
D.SJVNL	NJPC (6*250)	1500	1125	1315	0	7.41	309	7.28	0.13
	Rampur HEP (6*68.67)	412	280	299	0	2.09	87	1.99	0.10
	<b>Sub Total (D)</b>	<b>1912</b>	<b>1405</b>	<b>1614</b>	<b>0</b>	<b>9.49</b>	<b>396</b>	<b>9.27</b>	<b>0.23</b>
E. THDC	Tehri HPS (4*250)	1000	940	929	0	8.84	368	8.80	0.04
	Koteshwar HPS (4*100)	400	130	400	89	3.15	131	3.13	0.02
	<b>Sub Total (E)</b>	<b>1400</b>	<b>1070</b>	<b>1329</b>	<b>89</b>	<b>11.99</b>	<b>499</b>	<b>11.93</b>	<b>0.06</b>
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	611	1096	373	15.00	625	14.66	0.34
	Dehar HPS (6*165)	990	118	495	0	2.92	122	2.84	0.08
	Pong HPS (6*66)	396	229	384	66	5.54	231	5.49	0.05
	<b>Sub Total (F)</b>	<b>2765</b>	<b>958</b>	<b>1975</b>	<b>439</b>	<b>23.46</b>	<b>977</b>	<b>22.99</b>	<b>0.47</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	101	0	0.49	20	0.47	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.86	161	3.84	0.02
	Malana Stg-II HPS (2*50)	100	0	0	0	0.22	9	0.19	0.02
	Shree Cement TPS (2*150)	300	0	293	275	6.97	290	7.05	-0.08
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.14	6	0.14	0.00
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1062</b>	<b>275</b>	<b>11.68</b>	<b>487</b>	<b>11.69</b>	<b>-0.01</b>
<b>H. Total Regional Entities (A-G)</b>		<b>25237</b>	<b>18241</b>	<b>17990</b>	<b>8424</b>	<b>268.01</b>	<b>11167</b>	<b>270.56</b>	<b>-2.56</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	210	160	4.08	170
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	110	100	2.31	96
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	246	204	5.13	214
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1319	706	24.71	1030
	Talwandi Saboo (2*660)	1320	340	338	10.55	439
	<b>Thermal (Total)</b>	<b>5360</b>	<b>2225</b>	<b>1508</b>	<b>46.78</b>	<b>1949</b>
Total Hydro	1000	436	428	10.78	449	
<b>Total Punjab</b>	<b>6360</b>	<b>2661</b>	<b>1936</b>	<b>57.56</b>	<b>2398</b>	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	552	229	10.97	457
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1108	793	22.85	952
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	560	374	10.47	436
	<b>Thermal (Total)</b>	<b>4944</b>	<b>2220</b>	<b>1396</b>	<b>44.30</b>	<b>1846</b>
	Total Hydro	62	10	10	0.31	13
	<b>Total Haryana</b>	<b>5006</b>	<b>2230</b>	<b>1406</b>	<b>44.60</b>	<b>1859</b>
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	863	858	21.50
suratgarh TPS (6*250)		1500	579	387	13.69	570
Chabra TPS (4*250)		1000	575	601	15.17	632
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	192	195	4.85	202
RAPS A (NPC) (1*100+1*200)		300	165	164	4.06	169
Barsingsar (NLC) (2*125)		250	91	91	1.99	83
Giral LTSPS (2*125)		250	56	56	1.10	46
Rajwest LTSPS (IPP) (8*135)		1080	741	729	17.20	717
VS LIGNITE LTSPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	1078	1089	25.28	1053
Kawai(Adani) (2*660)		1320	1193	1190	28.44	1185
<b>Thermal (Total)</b>		<b>8876</b>	<b>5533</b>	<b>5360</b>	<b>133</b>	<b>5553</b>
Total Hydro		550	197	210	4.74	198
Wind power		3214	79	46	3.39	141
Biomass		99	18	18	0.44	18
Solar		730	0	0	2.84	118
Renewable/Others (Total)		4043	97	64	6.67	278
<b>Total Rajasthan</b>		<b>13469</b>	<b>5827</b>	<b>5634</b>	<b>144.67</b>	<b>6028</b>
UP		Anpara TPS (3*210+2*500)	1630	932	1400	27.30
	Obra TPS (2*50+2*94+5*200)	1194	447	474	10.90	454
	Paricha TPS (2*110+2*220+2*250)	1140	917	820	20.20	842
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*80+1*105+2*250)	665	320	327	7.50	313
	Tanda TPS (NTPC) (4*110)	440	391	370	8.80	367
	Roza TPS (IPP) (4*300)	1200	275	194	5.80	242
	Anpara-C (IPP) (2*600)	1200	1080	1071	24.50	1021
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(1*500)	500	0	0	0.00	0
	Lalitpur TPS(2*660)	1320	0	0	0.00	0
	Bara(2*660)	1320	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>11269</b>	<b>4362</b>	<b>4656</b>	<b>105</b>	<b>4375</b>
	Vishnuparyag HPS (IPP)(4*110)	440	76	72	1.80	75
	Alakanada(4*82.5)	330	55	53	1.00	42
	Other Hydro	527	37	60	2.00	83
	Cogeneration	981	800	800	19.20	800
<b>Total UP</b>	<b>13547</b>	<b>5330</b>	<b>5641</b>	<b>129</b>	<b>5375</b>	
Uttarakhand	Total Hydro	1398	631	363	10.30	429
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>631</b>	<b>363</b>	<b>10.30</b>	<b>429</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.04	-2
	Delhi Gas Turbine (6x30 + 3x34)	282	70	28	0.81	34
	Prahati Gas Turbine (2x104+ 1x122)	330	265	140	5.58	233
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	252	6.01	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.89	162
	<b>Thermal (Total)</b>	<b>2917</b>	<b>750</b>	<b>585</b>	<b>16.24</b>	<b>677</b>
<b>Total Delhi</b>	<b>2917</b>	<b>750</b>	<b>585</b>	<b>16.24</b>	<b>677</b>	
HP	Baspa HPS (IPP) (3*100)	300	106	0	1.01	42
	Malana HPS (IPP) (2*43)	86	45	0	0.23	10
	Other Hydro	878	113	86	2.64	110
	<b>Total HP</b>	<b>1264</b>	<b>264</b>	<b>86</b>	<b>3.88</b>	<b>162</b>
J & K	Badlihar HPS (IPP) (3*150)	450	260	150	4.26	178
	Other Hydro/IPP	560	110	72	2.04	85
	Gas/Diesel/Other	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1200</b>	<b>370</b>	<b>222</b>	<b>6.30</b>	<b>263</b>
<b>Total State Control Area Generation</b>		<b>45161</b>	<b>18063</b>	<b>15873</b>	<b>412.56</b>	<b>17190</b>
<b>J. Net Inter Regional Exchange</b> [Import(+ve)/Export(-ve)]			<b>8151.7</b>	<b>6636.81</b>	<b>186.83</b>	<b>7784</b>
<b>Total Regional Availability(Gross)</b>		<b>70398</b>	<b>44205</b>	<b>30933</b>	<b>867.39</b>	<b>36141</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	8665	935	75.18	3132
State Control Area Hydro	6581	2076	1504	41	1713
<b>Total Regional Hydro</b>	<b>18815</b>	<b>10741</b>	<b>2439</b>	<b>116.29</b>	<b>4845</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)	50	150	200	50	1.69	0.23	1.45
765 KV Gwalior-Agra (D/C)	2783	2563	3160	0	69.35	0.00	69.35
400 KV Zarda-Kankrol	-45	-90	47	104	0.00	0.61	-0.61
400 KV Zarda-Bhimnal	62	9	173	54	1.86	0.00	1.86
220 KV Auraiya-Malanpur	-40	-17	0	46	0.00	0.42	-0.42
220 KV Badod-Kota/Morak	27	12	37	0	0.40	0.00	0.40
Mundra-Mohindergarh(HVDC Bipole)	2502	1698	2514	0	55.09	0.00	55.09
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Phagi-Gwalior (D/C)	913	821	1153	0	23.90	0.00	23.90
<b>Sub Total WR</b>	<b>6252</b>	<b>5146</b>			<b>152.28</b>	<b>1.26</b>	<b>151.01</b>
Pusauli Bypass/HVDC	400	100	400	0	4.05	0.00	4.05
400 KV MZP- GKP (D/C)	-268	-252	0	782	0.00	10.62	-10.62
400 KV Patna-Balia(D/C) X 2	783	546	810	0	15.43	0.00	15.43
400 KV B'Shanif-Balia (D/C)	-40	-100	0	319	0.00	2.86	-2.86
765 KV Gaya-Balia	181	213	246	0	2.34	0.00	2.34
765 KV Gaya-Fatehpur	62	80	348	0	3.72	0.00	3.72
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV N'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-20	-18	0	29	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-235	-82	164	256	0.00	1.25	-1.25
400 KV Barh -GKP (D/C)	536	504	634	0	13.12	0.00	13.12
<b>Sub Total ER</b>	<b>1400</b>	<b>991</b>			<b>38.65</b>	<b>15.27</b>	<b>23.38</b>
+/- 800 KV BiswanathChariali-Agra	500	500	500	0	12.43	0.00	12.43
<b>Sub Total NER</b>	<b>500</b>	<b>500</b>			<b>12.43</b>	<b>0.00</b>	<b>12.43</b>
<b>Total IR Exch</b>	<b>8152</b>	<b>6637</b>			<b>203.36</b>	<b>16.53</b>	<b>186.83</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
28.58	0.17	28.75	1.62	-4.94	8.99		4.93	-4.93
<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
44.29	140.03	184.32	35.81	151.01	186.83	-8.47	10.98	2.51

**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	-26	-35	0	35	0	1	-0.75

**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	0.08	4.07	36.15	66.27	21.33	8.28	0.79	NA

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz	(Hz)	(Hz)			
50.30	21.59	49.74	18.10	50.02	0.044	0.064	0.00	0.00	33.73

**VII. Voltage profile 400 kV**

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>400 kV	>430 kV	
Rihand	400	406	05:02	399	11:21	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	426	05:37	404	22:54	0.0	0.0	12.5	0.0	12.5
Bareilly(PG)400kV	400	421	04:31	399	14:40	0.0	0.0	0.4	0.0	0.4
Kanpur	400	411	05:02	401	11:20	0.0	0.0	0.0	0.0	0.0
Dadri	400	426	04:00	401	11:19	0.0	0.0	27.9	0.0	27.9
Ballabgarh	400	431	04:04	404	11:21	0.0	0.0	37.7	0.3	37.7
Bawana	400	428	04:01	404	11:19	0.0	0.0	34.2	0.0	34.2
Bassi	400	425	20:37	391	08:55	0.0	0.0	6.7	0.0	6.7
Hissar	400	422	21:42	396	11:18	0.0	0.0	0.9	0.0	0.9
Moga	400	421	21:45	398	11:20	0.0	0.0	0.5	0.0	0.5
Abdullapur	400	424	20:56	403	11:18	0.0	0.0	16.6	0.0	16.6
Nalagarh	400	434	01:43	406	11:21	0.0	0.0	45.1	20.8	45.1
Kisherpur	400	429	00:46	393	11:22	0.0	0.0	9.8	0.0	9.8
Wagoora	400	406	00:45	366	11:22	68.5	81.5	0.0	0.0	68.5
Amritsar	400	430	00:45	404	11:24	0.0	0.0	41.3	0.0	41.3
Kashipur	400	422	04:04	412	11:19	0.0	0.0	5.7	0.0	5.7
Hamirpur	400	425	21:50	403	14:13	0.0	0.0	29.2	0.0	29.2
Rishikesh	400	422	05:02	397	14:35	0.0	0.0	0.8	0.0	0.8

**VIII. Voltage profile 765 kV**

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	770	05:02	736	22:09	0.0	3.9	0.0	0.0	0.0
Balia	765	778	05:02	740	22:09	0.0	0.6	0.0	0.0	0.0
Moga	765	804	21:43	758	11:21	0.0	0.0	1.4	0.0	1.4
Agra	765	790	21:43	745	11:21	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	21:39	761	11:36	0.0	0.0	1.8	0.0	1.8
Unnao	765	774	05:03	738	11:19	0.0	2.7	0.0	0.0	0.0
Lucknow	765	793	05:02	753	11:20	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	21:42	761	11:19	0.0	0.0	4.3	0.0	4.3
Jhatikara	765	808	21:42	762	11:21	0.0	0.0	23.6	0.0	23.6
Bareilly 765 kV	765	793	05:02	408	15:31	0.0	0.1	0.0	0.0	0.0
Anta	765	785	21:45	756	08:56	0.0	0.0	0.0	0.0	0.0
Phagi	765	793	21:44	743	09:34	0.0	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	499.05	1053.16	495.61	926.03	171.32	454.26
Pong	426.72	384.05	409.22	474.29	403.86	312.39	83.02	367.27
Tehri	829.79	740.04	797.70	571.54	806.30	725.00	58.91	234.00
Koteswar	612.50	598.50	610.69	4.95	608.83	4.21	234.00	207.22
Chamera-I	760.00	748.75	758.56	0.00	0.00	0.00	52.01	49.37
Rihand	268.22	252.98	848.70	234.80	850.70	266.70	0.00	0.00
RPS	352.80	343.81	0.00	0.00	0.00	0.00	0.00	0.00
Jawahar Sagar	296.70	295.78	0.00	0.00	0.00	0.00	0.00	0.00
RSD	527.91	487.91	496.64	3.38	504.65	2.18	57.60	142.82

\* 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	-274	321	0	-732	243	0	-11.81	6.50	-5.31
Delhi	-840	-124	0	-544	420	0	-13.87	7.94	-5.94
Haryana	-532	223	0	-588	259	0	-13.58	6.05	-7.53
HP	88	222	0	150	218	0	8.85	1.19	10.04
J&K	713	-10	0	702	27	0	15.94	-0.73	15.21
CHD	-31	0	0	0	0	0	-0.24	0.14	-0.10
Rajasthan	-7	693	3	-7	672	3	9.03	15.39	24.42
UP	102	0	0	94	0	0	-2.39	0.00	-2.39
Uttarakhand	193	86	0	193	403	0	4.74	6.43	11.17
<b>Total</b>	<b>-588</b>	<b>1412</b>	<b>3</b>	<b>-732</b>	<b>2241</b>	<b>3</b>	<b>-3.34</b>	<b>42.91</b>	<b>39.57</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-274	-732	321	198	0	0
Delhi	-281	-870	832	-187	0	0
Haryana	-507	-711	281	92	0	0
HP	582	88	318	-439	0	0
J&K	726	562	39	-174	0	0
CHD	0	-31	39	-25	0	0
Rajasthan	888	-7	717	44	3	3
UP	155	-340	0	0	0	0
Uttarakhand	221	193	527	67	0	0

**XI. System Reliability Indices:**

- (i)%age of times N-1 Criteria was violated in the inter - regional corridors  
0.00 %
- (ii)%age of times ATC violated on the inter-regional corridors  
0.00 %

**XII. System Constraints:**

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

**XIV. Weather Conditions For 11.01.2016 :**

**XV. Synchronisation of new generating units :**

**XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :**

**XVII. Tripping of lines in pooling stations :**

**XVIII. Complete generation loss in a generating station :**