

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(सर्वसंश्लेषित वीज उत्पादन व वितरण कंपनी)

## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 11.03.2016

Date of Reporting : 12.03.2016



### 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
33917	504	34421	50.03	31347	2019	33366	50.09	801.7	44.42

\* 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)	UI [OD:(+ve), UD:(-ve)] Shortages *
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	31.70	6.08		37.77	56.85	55.89	-0.96	93.66	0.00
Haryana	36.45	0.24		36.69	71.12	70.11	-1.01	106.80	0.00
Rajasthan	114.31	4.35	31.05	149.71	48.02	47.69	-0.33	197.40	0.15
Delhi	10.38			10.38	51.90	52.63	0.73	63.01	0.20
UP	126.16	2.40		128.56	108.38	110.04	1.66	238.60	34.54
Uttarakhand		7.65		7.65	25.21	26.09	0.88	33.73	0.07
HP		4.37		4.37	20.18	20.40	0.22	24.77	0.00
J & K		7.42	0.00	7.42	33.29	32.91	-0.38	40.33	9.47
Chandigarh				0.00	3.40	3.42	0.27	3.42	0.00
<b>Total</b>	<b>319.00</b>	<b>32.50</b>	<b>31.05</b>	<b>382.55</b>	<b>418.35</b>	<b>419.17</b>	<b>1.07</b>	<b>801.72</b>	<b>44.42</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	3952	0	103	-705	3184	0	-46	250	4881
Haryana	5255	0	-159	86	3521	0	153	-55	5609
Rajasthan	6959	0	-344	126	8561	0	118	139	9479
Delhi	2936	0	-124	-499	1930	0	290	-983	3373
UP	10169	80	303	17	10258	1710	328	129	11285
Uttarakhand	1740	0	140	666	1277	0	125	380	1740
HP	1033	0	-72	169	776	0	21	318	1371
J&K	1696	424	70	630	1751	309	115	502	1892
Chandigarh	177	0	-1	-30	90	0	10	-15	184
<b>Total</b>	<b>33917</b>	<b>504</b>	<b>-84</b>	<b>459</b>	<b>31347</b>	<b>2019</b>	<b>1113</b>	<b>667</b>	<b>37046</b>

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

Diversity is 1.07

### III. Regional Entities :

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	1888	2005	1882	44.87	1869	44.23	0.63
	Rihand I STPS (2*500)	1000	841	918	745	18.42	767	17.93	0.49
	Rihand II STPS (2*500)	1000	954	1031	755	21.31	888	20.46	0.85
	Rihand III STPS (2*500)	1000	955	1022	793	21.77	907	21.30	0.47
	Dadri I STPS (4*210)	840	815	337	298	8.05	335	8.25	-0.21
	Dadri II STPS (2*490)	980	980	860	671	17.83	743	18.58	-0.75
	Unchahar I TPS (2*210)	420	350	370	313	7.39	308	7.35	0.03
	Unchahar II TPS (2*210)	420	404	411	402	8.18	341	7.65	0.53
	Unchahar III TPS (1*210)	210	202	204	174	4.00	167	3.98	0.02
	ISTPP (Jhajjar) (3*500)	1500	950	323	317	6.83	285	7.20	-0.37
	Dadri GPS (4*130.19+2*154.51)	830	799	196	198	4.54	189	4.80	-0.26
	Anta GPS (3*88.71+1*153.2)	419	415	247	234	5.64	235	6.00	-0.36
	Auraiya GPS (4*111.19+2*109.30)	663	494	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.01	1	0.02	0.00
	Unchahar Solar(10)	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.06	0.01
	KHEP(4*200)	800	655	653	0	2.52	105	2.30	0.22
<b>Sub Total (A)</b>	<b>12112</b>	<b>10704</b>	<b>8577</b>	<b>6782</b>	<b>171</b>	<b>7144</b>	<b>170</b>	<b>1</b>	
B. NPC	NAPS (2*220)	440	409	436	448	9.74	406	9.82	-0.07
	RAPS- B (2*220)	440	380	419	422	9.10	379	9.12	-0.02
	RAPS- C (2*220)	440	425	444	448	9.68	403	10.20	-0.52
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1214</b>	<b>1299</b>	<b>1318</b>	<b>28.52</b>	<b>1188</b>	<b>29.14</b>	<b>-0.62</b>
C. NHPC	Chamera I HPS (3*180)	540	534	550	0	2.56	107	2.20	0.36
	Chamera II HPS (3*100)	300	300	308	0	1.33	56	1.17	0.16
	Chamera III HPS (3*77)	231	201	215	0	0.74	31	0.69	0.05
	Bairasuli HPS(3*60)	180	182	184	0	1.19	49	1.04	0.15
	Salal-HPS (6*115)	690	140	277	130	4.15	173	3.33	0.82
	Tanakpur-HPS (3*40)	94	15	25	14	0.38	16	0.35	0.03
	Uri-I HPS (4*120)	480	269	167	246	7.11	296	6.48	0.64
	Uri-II HPS (4*60)	240	186	236	163	4.56	190	4.44	0.12
	Dhauliganga-HPS (4*70)	280	210	220	0	0.71	30	0.63	0.08
	Dulhasi-HPS (3*130)	390	387	403	0	2.80	117	2.55	0.25
	Sewa-II HPS (3*40)	120	119	128	0	1.18	49	1.00	0.18
	Parbati 3 (4*130)	520	130	133	0	0.40	17	0.39	0.01
<b>Sub Total (C)</b>	<b>4065</b>	<b>2672</b>	<b>2846</b>	<b>553</b>	<b>27</b>	<b>1130</b>	<b>24</b>	<b>3</b>	
D.SJVNL	NJPC (6*250)	1500	1605	1617	0	6.70	279	6.55	0.15
	Rampur HEP (6*68.67)	412	442	370	0	1.89	79	1.82	0.06
	<b>Sub Total (D)</b>	<b>1912</b>	<b>2047</b>	<b>1987</b>	<b>0</b>	<b>8.59</b>	<b>358</b>	<b>8.37</b>	<b>0.21</b>
E. THDC	Tehri HPS (4*250)	1000	525	526	0	6.35	264	6.50	-0.15
	Koteswar HPS (4*100)	400	114	92	93	2.78	116	2.73	0.05
	<b>Sub Total (E)</b>	<b>1400</b>	<b>639</b>	<b>618</b>	<b>93</b>	<b>9.12</b>	<b>380</b>	<b>9.23</b>	<b>-0.11</b>
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	746	1267	497	17.71	738	17.91	-0.21
	Dehar HPS (6*165)	990	135	495	0	3.30	138	3.24	0.06
	Pong HPS (6*66)	396	91	165	56	1.99	83	2.18	-0.19
	<b>Sub Total (F)</b>	<b>2765</b>	<b>972</b>	<b>1927</b>	<b>553</b>	<b>23.00</b>	<b>958</b>	<b>23.33</b>	<b>-0.34</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.41	17	0.40	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	625	0	3.38	141	3.60	-0.22
	Malana Stg-II HPS (2*50)	100	0	0	0	0.19	8	0.18	0.01
	Shree Cement TPS (2*150)	300	0	296	298	7.08	295	7.12	-0.04
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.14	0.00
<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>921</b>	<b>298</b>	<b>11.21</b>	<b>467</b>	<b>11.44</b>	<b>-0.23</b>	
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>18248</b>	<b>18175</b>	<b>9597</b>	<b>278.99</b>	<b>11625</b>	<b>275.92</b>	<b>3.08</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	3.60	150	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	0.00	0	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	760	660	21.01	875	
	Talwandi Saboo (2*660)	1320	308	308	7.09	295	
	<b>Thermal (Total)</b>	<b>5360</b>	<b>1278</b>	<b>1128</b>	<b>31.70</b>	<b>1321</b>	
	Total Hydro	1000	229	282	6.08	253	
	<b>Total Punjab</b>	<b>6360</b>	<b>1507</b>	<b>1410</b>	<b>37.77</b>	<b>1574</b>	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	454	458	10.89	454	
Faridabad GPS (NTPC)		432	320	319	8.05	335	
RGTPP (khedar) (IPP) (2*600)		1200	776	794	17.52	730	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
<b>Thermal (Total)</b>		<b>4944</b>	<b>1550</b>	<b>1571</b>	<b>36.45</b>	<b>1519</b>	
Total Hydro		62	8	15	0.24	10	
<b>Total Haryana</b>		<b>5006</b>	<b>1558</b>	<b>1586</b>	<b>36.69</b>	<b>1529</b>	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	844	868	20.87	870
	suratgarh TPS (6*250)	1500	373	386	9.38	391	
	Chabra TPS (4*250)	1000	563	861	17.89	745	
	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	41	33	1.04	43	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingsar (NLC) (2*125)	250	80	96	2.01	84	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwast LTPS (IPP) (8*135)	1080	442	871	17.53	730	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalsindh Thermal(2*600)	1200	846	924	20.47	853	
	Kawail(Adani) (2*660)	1320	863	1130	25.13	1047	
	<b>Thermal (Total)</b>	<b>8876</b>	<b>4052</b>	<b>5169</b>	<b>114</b>	<b>4763</b>	
	Total Hydro	550	189	151	4.35	181	
	Wind power	3214	1406	1073	27.78	1158	
	Biomass	99	23	23	0.54	23	
	Solar	730	0	0	2.72	113	
	Renewable/Others (Total)	4043	1429	1096	31.05	1294	
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5670</b>	<b>6416</b>	<b>149.71</b>	<b>6238</b>	
	UP	Anpara TPS (3*210+2*500)	1630	1235	1247	5.30	221
Obra TPS (2*50+2*94+5*200)		1194	410	417	9.70	404	
Paricha TPS (2*110+2*220+2*250)		1140	592	722	16.80	700	
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaganj TPS (1*60+1*105+2*250)		665	225	222	29.70	1238	
Tanda TPS (NTPC) (4*110)		440	375	371	9.06	378	
Roza TPS (IPP) (4*300)		1200	405	549	12.90	538	
Anpara-C (IPP) (2*600)		1200	1080	1076	25.90	1079	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0	
Anpara-D(2*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>4322</b>	<b>4604</b>	<b>109</b>	<b>4557</b>	
Vishnuparyag HPS (IPP)(4*110)		440	0	0	0.20	8	
Alakananda(4*82.5)		330	84	0	0.90	38	
Other Hydro		527	12	185	1.30	54	
Cogeneration		981	700	700	16.80	700	
<b>Total UP</b>		<b>13547</b>	<b>5118</b>	<b>5489</b>	<b>129</b>	<b>5357</b>	
Uttarakhand		Total Hydro	1398	358	233	7.65	319
		<b>Total Uttarakhand</b>	<b>1398</b>	<b>358</b>	<b>233</b>	<b>7.65</b>	<b>319</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	35	35	0.89	37	
	Pragati Gas Turbine (2x104+ 1x122)	330	0	0	0.00	0	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	254	251	6.06	252	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.43	143	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>454</b>	<b>451</b>	<b>10.38</b>	<b>432</b>	
<b>Total Delhi</b>	<b>2917</b>	<b>454</b>	<b>451</b>	<b>10.38</b>	<b>432</b>		
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.73	30	
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8	
	Other Hydro	878	188	115	3.44	143	
	<b>Total HP</b>	<b>1264</b>	<b>188</b>	<b>115</b>	<b>4.37</b>	<b>182</b>	
J & K	Baglihar HPS (IPP) (3*150)	450	141	143	4.66	194	
	Other Hydro/IPP	560	138	123	2.76	115	
	Gas/Diesel/Others	190	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1200</b>	<b>279</b>	<b>266</b>	<b>7.42</b>	<b>309</b>	
<b>Total State Control Area Generation</b>		<b>45161</b>	<b>15132</b>	<b>15966</b>	<b>382.55</b>	<b>15940</b>	
<b>J. Net Inter Regional Exchange (Import +ve)Export (-ve)</b>			<b>5358</b>	<b>6926</b>	<b>158.77</b>	<b>6615</b>	
<b>Total Regional Availability(Gross)</b>		<b>70398</b>	<b>38664</b>	<b>32489</b>	<b>820.32</b>	<b>34180</b>	

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	8656	1198	74.32	3097
State Control Area Hydro	6581	1347	1247	33	1354
<b>Total Regional Hydro</b>	<b>18815</b>	<b>10003</b>	<b>2445</b>	<b>106.82</b>	<b>4451</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	
Vindhyachal(HVDC B/B)	50	250	250	50	4.53	0.17	4.36
765 KV Gwalior-Agra (D/C)	2394	2941	3165	0	66.74	0.00	66.74
400 KV Zarda-Kankroli	-256	-273	0	356	0.00	6.45	-6.45
400 KV Zarda-Bhinmal	-212	-240	0	359	0.00	5.25	-5.25
220 KV Auraiya-Malanpur	-26	-23	0	42	0.00	0.53	-0.53
220 KV Badod-Kota/Morak	-107	-66	0	107	0.00	1.75	-1.75
Mundra-Mohindergarh(HVDC Bipole)	2499	2498	2516	0	60.45	0.00	60.45
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Phagi-Gwalior (D/C)	571	693	957	0	18.19	0.00	18.19
<b>Sub Total WR</b>	<b>4913</b>	<b>5780</b>			<b>149.90</b>	<b>14.14</b>	<b>135.76</b>
Pusaali Bypass/HVDC	400	400	400	0	8.92	0.00	8.92
400 KV MZP- GKP (D/C)	-498	-194	0	546	0.00	8.16	-8.16
400 KV Patna-Balia(D/C) X 2	564	375	847	0	13.10	0.00	13.10
400 KV B Sharif-Balia (D/C)	-257	-50	0	260	0.00	2.89	-2.89
765 KV Gaya-Balia	21	277	305	0	2.28	0.00	2.28
765 KV Gaya-Varanasi -1	0	0	0	0	0.00	0.00	0.00
220 KV Pusaali-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Khasa-Sahupuri	0	0	1	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-24	-23	0	30	0.00	0.61	-0.61
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-281	-73	127	319	0.00	1.09	-1.09
400 KV Barh -GKP (D/C)	520	434	630	0	11.45	0.00	11.45
<b>Sub Total ER</b>	<b>445</b>	<b>1146</b>			<b>35.75</b>	<b>12.74</b>	<b>23.01</b>
+/- 800 KV BiswanathCharialli-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>5358</b>	<b>6926</b>			<b>185.65</b>	<b>26.88</b>	<b>158.77</b>

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

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
35.02	0.10	35.12	0.11	-8.57	4.16	15.05	0.00	0.00

  

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Inclds Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER(including NER)	Through WR	Total
39.39	123.32	162.71	23.01	135.76	158.77	-16.38	12.44	-3.94

**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 - Mahendnagar	-30	-30	0	32	0	1	-0.71

**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	2.14	26.18	69.74	60.66	9.97	3.24	0.00	0.00

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)			
50.19	18.02	49.73	4.52	49.95	0.087	0.082	50.14	49.87	39.34

**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	>420 kV	>430 kV	
Rihand	400	405	21:55	378	18:20	0.0	0.1	0.0	0.0	0.0
Gorakhpur	400	418	13:15	400	10:10	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	21:55	390	18:23	0.0	0.0	0.0	0.0	0.0
Kanpur	400	421	21:57	402	12:16	0.0	0.0	0.4	0.0	0.4
Dadri	400	424	23:56	401	12:17	0.0	0.0	6.1	0.0	6.1
Balabgarh	400	428	22:00	404	12:15	0.0	0.0	35.6	0.0	35.6
Bawana	400	426	02:29	403	12:16	0.0	0.0	26.6	0.0	26.6
Bassi	400	423	21:28	395	12:16	0.0	0.0	5.1	0.0	5.1
Hissar	400	425	20:32	400	12:16	0.0	0.0	7.2	0.0	7.2
Moga	400	426	20:28	152	16:12	25.8	25.8	10.8	0.0	36.6
Abdullapur	400	428	20:35	140	19:48	43.7	43.7	29.2	0.0	72.9
Nalagarh	400	434	16:02	415	19:08	0.0	0.0	75.9	5.5	75.9
Kishenpur	400	429	16:00	408	06:27	0.0	0.0	38.3	0.0	38.3
Wagoora	400	406	15:57	382	07:33	0.0	16.7	0.0	0.0	0.0
Amritsar	400	430	16:01	413	05:44	0.0	0.0	59.5	0.0	59.5
Kashipur	400	423	23:56	411	09:09	0.0	0.0	8.3	0.0	8.3
Hamirpur	400	428	16:02	409	05:51	0.0	0.0	33.6	0.0	33.6
Rishikesh	400	420	23:54	390	09:07	0.0	0.0	0.0	0.0	0.0

**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	780	22:00	733	12:18	0.0	6.4	0.0	0.0	0.0
Balia	765	782	21:57	752	10:21	0.0	0.0	0.0	0.0	0.0
Moga	765	809	20:28	768	12:17	0.0	0.0	3.0	0.0	3.0
Agra	765	792	22:00	751	12:18	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	767	21:59	736	12:18	0.0	8.9	0.0	0.0	0.0
Lucknow	765	790	21:57	757	12:18	0.0	0.0	0.0	0.0	0.0
Meerut	765	816	20:32	768	12:18	0.0	0.0	21.7	0.0	21.7
Jhatikara	765					0.0	0.0	9.9	0.0	9.9
Bareilly 765 kV	765	792	22:00	753	12:16	0.0	0.0	0.0	0.0	0.0
Anta	765	776	17:59	758	09:10	0.0	0.0	0.0	0.0	0.0
Phagi	765	789	18:23	753	12:09	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	483.06	536.06	481.69	495.33	172.62	628.55
Pong	426.72	384.05	397.25	162.91	401.27	244.95	67.11	184.55
Tehri	829.79	740.04	765.40	167.00	781.05	333.20	39.07	207.00
Koteswar	612.50	598.50	610.33	4.69	611.01	5.20	207.00	182.91
Chamera-I	760.00	748.75	754.64	0.00	0.00	0.00	61.56	69.48
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	496.71	0.00	505.27	3.16	66.28	0.00

\* 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	-45	296	0	-880	175	0	-3.56	7.23	3.66
Delhi	-762	-221	0	-732	233	0	-16.78	2.82	-13.97
Haryana	-180	126	0	-205	291	0	-5.61	6.47	0.85
HP	30	288	0	377	-208	0	7.52	-0.41	7.12
J&K	512	-10	0	608	21	0	11.49	-0.54	10.95
CHD	0	-15	0	0	-30	0	0.00	-0.25	-0.25
Rajasthan	-7	146	0	-7	133	0	0.60	2.71	3.31
UP	129	0	0	17	0	0	-5.35	0.00	-5.35
Uttarakhand	194	187	0	194	472	0	4.76	6.29	11.05
<b>Total</b>	<b>-129</b>	<b>796</b>	<b>0</b>	<b>-628</b>	<b>1087</b>	<b>0</b>	<b>-6.93</b>	<b>24.30</b>	<b>17.37</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	5	-880	357	144	0	0
Delhi	-648	-762	522	-226	0	0
Haryana	-180	-408	331	-79	0	0
HP	524	30	288	-787	0	0
J&K	633	407	32	-195	0	0
CHD	0	0	0	-51	0	0
Rajasthan	186	-7	147	-409	0	0
UP	175	-578	0	0	0	0
Uttarakhand	222	194	472	176	0	0

**XI. System Reliability Indices(Violation of TTC and ATC):**

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

WR	0.00%
ER	0.00%
Simultaneous	0.00%

(ii)%age of times ATC violated on the inter-regional corridors

WR	0.00%
ER	0.00%
Simultaneous	0.00%

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	0.00%
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**XII. System Constraints:**

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

**XIV. Weather Conditions For 11.03.2016 :**

Normal

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

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

0

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

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