

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(सर्वरक्षित की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO1188682

Power Supply Position in Northern Region for 13.03.2016

Date of Reporting : 14.03.2016



### 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
31310	1681	32991	50.05	25729	836	26565	50.06	692.7	45.13

\* 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	19.74	1.92		21.66	50.31	48.85	-1.46	70.51	0.00
Haryana	18.23	0.41		18.63	67.94	68.81	0.87	87.44	0.00
Rajasthan	115.93	3.54	5.48	124.95	59.59	61.40	1.82	186.35	0.00
Delhi	10.37			10.37	44.97	44.99	0.02	55.36	0.01
UP	109.59	2.94		112.53	85.37	89.74	4.38	202.28	35.61
Uttarakhand		9.24		9.24	19.81	17.54	-2.27	26.79	0.00
HP		7.44		7.44	15.99	13.34	-2.65	20.77	0.00
J & K		10.05	0.00	10.05	32.61	30.20	-2.41	40.25	9.51
Chandigarh				0.00	3.31	2.96	0.27	2.96	0.00
<b>Total</b>	<b>273.85</b>	<b>35.54</b>	<b>5.48</b>	<b>314.87</b>	<b>379.89</b>	<b>377.84</b>	<b>-1.43</b>	<b>692.70</b>	<b>45.13</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	3245	0	219	-358	2430	0	-155	251	3535
Haryana	4803	0	180	2	2758	0	-53	-508	5207
Rajasthan	6881	0	-392	444	8005	0	278	446	8881
Delhi	2507	0	-256	-656	1641	0	35	-1064	2972
UP	9273	1175	160	-218	8025	590	525	125	9886
Uttarakhand	1510	0	200	425	733	0	-290	341	1510
HP	909	0	-160	76	651	0	16	52	1137
J&K	2025	506	146	517	1397	246	-168	421	2069
Chandigarh	156	0	-2	-51	89	0	-10	-15	165
<b>Total</b>	<b>31310</b>	<b>1681</b>	<b>94</b>	<b>181</b>	<b>25729</b>	<b>836</b>	<b>178</b>	<b>48</b>	<b>33686</b>

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

Diversity is 1.05

### 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	1890	1793	1475	36.50	1521	35.14	1.35
	Rihand I STPS (2*500)	1000	889	706	656	15.61	650	15.00	0.61
	Rihand II STPS (2*500)	1000	980	719	697	16.85	702	16.41	0.44
	Rihand III STPS (2*500)	1000	980	753	683	17.08	712	17.00	0.08
	Dadri I STPS (4*210)	840	815	304	286	6.72	280	6.74	-0.02
	Dadri II STPS (2*490)	980	980	707	646	15.76	657	16.22	-0.46
	Unchahar I TPS (2*210)	420	350	268	282	6.03	251	5.79	0.24
	Unchahar II TPS (2*210)	420	404	304	288	6.53	272	6.69	-0.16
	Unchahar III TPS (1*210)	210	202	151	149	3.31	138	3.34	-0.03
	ISTPP (Jhajhar) (3*500)	1500	950	304	309	6.62	276	6.84	-0.22
	Dadri GPS (4*130 19+2*154.51)	830	799	192	205	4.61	192	4.93	-0.32
	Anta GPS (3*88.71+1*153.2)	419	415	258	212	5.07	211	5.97	-0.90
	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	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	1	0	0	0.02	1	0.02	0.00
Singrauli Solar(15)	15	1	0	0	0.00	0	0.00	-0.02	
KHEP(4*200)	800	655	247	0	2.75	116	2.80	-0.02	
<b>Sub Total (A)</b>	<b>12112</b>	<b>10805</b>	<b>6706</b>	<b>5888</b>	<b>144</b>	<b>5980</b>	<b>143</b>	<b>1</b>	
B. NPC	NAPS (2*220)	440	410	440	456	9.81	409	9.84	-0.03
	RAPS- B (2*220)	440	378	423	426	9.18	383	9.07	0.11
	RAPS- C (2*220)	440	418	450	450	9.72	405	10.03	-0.31
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1206</b>	<b>1313</b>	<b>1332</b>	<b>28.71</b>	<b>1196</b>	<b>28.94</b>	<b>-0.23</b>
C. NHPC	Chamera I HPS (3*180)	540	534	538	168	10.92	455	10.70	0.22
	Chamera II HPS (3*100)	300	300	307	0	2.28	95	2.08	0.20
	Chamera III HPS (3*77)	231	235	232	0	1.03	43	0.99	0.04
	Bairasuli HPS(3*60)	180	182	184	112	2.29	95	2.28	0.00
	Salal-HPS (6*115)	690	330	345	345	8.08	337	7.75	0.33
	Tanakpur-HPS (3*40)	94	16	16	15	0.40	17	0.38	0.02
	Uri-I HPS (4*120)	480	451	473	450	11.02	459	10.79	0.24
	Uri-II HPS (4*60)	240	237	238	237	5.68	237	5.69	-0.01
	Dhauliganga-HPS (4*70)	280	210	205	0	0.74	31	0.63	0.11
	Dulhasi-HPS (3*130)	390	387	407	0	3.45	144	3.27	0.17
	Sewa-II HPS (3*40)	120	119	130	130	3.08	128	2.86	0.22
Parbati 3 (4*130)	520	130	131	0	0.66	28	0.64	0.02	
<b>Sub Total (C)</b>	<b>4065</b>	<b>3130</b>	<b>3206</b>	<b>1456</b>	<b>50</b>	<b>2068</b>	<b>48</b>	<b>2</b>	
D.SJVNL	NJPC (6*250)	1500	1605	1516	0	6.32	263	6.29	0.03
	Rampur HEP (6*68.67)	412	442	447	0	1.77	74	1.75	0.02
	<b>Sub Total (D)</b>	<b>1912</b>	<b>2047</b>	<b>1963</b>	<b>0</b>	<b>8.09</b>	<b>337</b>	<b>8.03</b>	<b>0.05</b>
E. THDC	Tehri HPS (4*250)	1000	513	513	0	6.06	253	6.10	-0.04
	Koteswar HPS (4*100)	400	114	298	90	2.76	115	2.73	0.03
	<b>Sub Total (E)</b>	<b>1400</b>	<b>627</b>	<b>811</b>	<b>90</b>	<b>8.82</b>	<b>367</b>	<b>8.83</b>	<b>-0.01</b>
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	533	866	376	11.73	489	12.78	-1.05
	Dehar HPS (6*165)	990	408	495	445	10.87	453	9.80	1.07
	Pong HPS (6*66)	396	15	55	0	0.21	9	0.37	-0.17
	<b>Sub Total (F)</b>	<b>2765</b>	<b>956</b>	<b>1416</b>	<b>821</b>	<b>22.81</b>	<b>950</b>	<b>22.95</b>	<b>-0.15</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.40	17	0.38	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	0.22	9	0.20	0.01
	Shree Cement TPS (2*150)	300	0	296	297	7.09	295	7.35	-0.26
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.16	7	0.14	0.02
<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>921</b>	<b>297</b>	<b>11.24</b>	<b>468</b>	<b>11.68</b>	<b>-0.44</b>	
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>18771</b>	<b>16336</b>	<b>9885</b>	<b>272.81</b>	<b>11367</b>	<b>271.45</b>	<b>1.35</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	3.49	146
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.07	-3
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	660	660	16.45	685
	Talwandi Saboo (2*660)	1320	0	0	-0.11	-5
	<b>Thermal (Total)</b>	<b>5360</b>	<b>870</b>	<b>820</b>	<b>19.74</b>	<b>822</b>
	Total Hydro	1000	44	112	1.92	80
	<b>Total Punjab</b>	<b>6360</b>	<b>914</b>	<b>932</b>	<b>21.66</b>	<b>902</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	456	466	10.65	444
Faridabad GPS (NTPC)		432	311	316	7.58	316
RGTPP (khedar) (IPP) (2*600)		1200	0	0	0.00	0
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>767</b>	<b>782</b>	<b>18.23</b>	<b>759</b>
Total Hydro		62	19	13	0.41	17
<b>Total Haryana</b>		<b>5006</b>	<b>786</b>	<b>795</b>	<b>18.63</b>	<b>776</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	858	877	21.09
	suratgarh TPS (6*250)	1500	379	399	9.17	382
	Chabra TPS (4*250)	1000	739	808	17.78	741
	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	183	87	3.87	161
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	175	188	4.29	179
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwast LTPS (IPP) (8*135)	1080	472	842	16.94	706
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalsindh Thermal(2*600)	1200	840	877	19.95	831
	Kawail(Adani) (2*660)	1320	865	941	22.83	951
	<b>Thermal (Total)</b>	<b>8876</b>	<b>4511</b>	<b>5019</b>	<b>116</b>	<b>4830</b>
	Total Hydro	550	97	110	3.54	148
	Wind power	3214	573	37	5.04	210
	Biomass	99	17	17	0.42	17
	Solar	730	0	0	0.02	1
	Renewable/Others (Total)	4043	590	54	5.48	228
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5198</b>	<b>5183</b>	<b>124.95</b>	<b>5206</b>
UP	Anpara TPS (3*210+2*500)	1630	1248	1233	29.80	1242
	Obra TPS (2*50+2*94+5*200)	1194	413	370	9.43	393
	Paricha TPS (2*110+2*220+2*250)	1140	603	520	14.01	584
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	160	159	4.12	172
	Tanda TPS (NTPC) (4*110)	440	276	276	6.80	283
	Roza TPS (IPP) (4*300)	1200	374	374	9.06	377
	Anpara-C (IPP) (2*600)	1200	1084	648	19.57	815
	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>4158</b>	<b>3580</b>	<b>93</b>	<b>3866</b>
	Vishnuparyag HPS (IPP)(4*110)	440	80	0	1.24	52
	Alakananda(4*82.5)	330	84	0	1.23	51
	Other Hydro	527	32	3	0.47	19
	Cogeneration	981	700	700	16.80	700
	<b>Total UP</b>	<b>13547</b>	<b>5054</b>	<b>4283</b>	<b>113</b>	<b>4689</b>
	Uttarakhand	Total Hydro	1398	425	324	9.24
<b>Total Uttarakhand</b>		<b>1398</b>	<b>425</b>	<b>324</b>	<b>9.24</b>	<b>385</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	35	34	0.89	37
	Pragati Gas Turbine (2x104+ 1x122)	330	0	0	-0.01	0
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	250	6.04	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.46	144
	<b>Thermal (Total)</b>	<b>2917</b>	<b>452</b>	<b>449</b>	<b>10.37</b>	<b>432</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>452</b>	<b>449</b>	<b>10.37</b>	<b>432</b>
HP	Baspa HPS (IPP) (3*100)	300	31	0	0.84	35
	Malana HPS (IPP) (2*43)	86	0	0	0.25	11
	Other Hydro	878	274	273	6.34	264
	<b>Total HP</b>	<b>1264</b>	<b>305</b>	<b>273</b>	<b>7.44</b>	<b>310</b>
J & K	Baglihar HPS (IPP) (3*150)	450	291	291	7.29	304
	Other Hydro/IPP	560	139	123	2.76	115
	Gas/Diesel/Others	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1200</b>	<b>430</b>	<b>414</b>	<b>10.05</b>	<b>419</b>
<b>Total State Control Area Generation</b>		<b>45161</b>	<b>13564</b>	<b>12653</b>	<b>314.87</b>	<b>13119</b>
<b>J. Net Inter Regional Exchange (Import +ve)Export (-ve)</b>			<b>5156</b>	<b>4792</b>	<b>135.07</b>	<b>5628</b>
<b>Total Regional Availability(Gross)</b>		<b>70398</b>	<b>35056</b>	<b>27330</b>	<b>722.74</b>	<b>30114</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	8268	2367	96.11	4005
State Control Area Hydro	6581	1516	1249	36	1481
<b>Total Regional Hydro</b>	<b>18815</b>	<b>9784</b>	<b>3616</b>	<b>131.65</b>	<b>5485</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)	-100	-250	0	250	0.00	4.22	-4.22
765 KV Gwalior-Agra (D/C)	2095	1987	2845	0	56.40	0.00	56.40
400 KV Zerda-Kankroli	0	0	0	0	0.00	0.00	0.00
400 KV Zerda-Bhinmal	-235	-129	0	289	0.00	3.32	-3.32
220 KV Auraiya-Malanpur	-43	-52	0	58	0.00	0.71	-0.71
220 KV Badod-Kota/Morak	-43	-26	12	72	0.00	0.60	-0.60
Mundra-Mohinderghar(HVDC Bipole)	2498	2203	2506	0	56.70	0.00	56.70
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kv Phagi-Gwalior (D/C)	445	639	960	0	17.08	0.00	17.08
<b>Sub Total WR</b>	<b>4617</b>	<b>4371</b>			<b>130.18</b>	<b>8.85</b>	<b>121.33</b>
Pusaali Bypass/HVDC	400	400	400	0	8.93	0.00	8.93
400 KV MZP- GKP (D/C)	-492	-382	0	544	0.00	9.89	-9.89
400 KV Patna-Balia(D/C) X 2	462	343	553	0	10.27	0.00	10.27
400 KV B Sharif-Balia (D/C)	-213	-196	0	393	0.00	5.52	-5.52
765 KV Gaya-Balia	111	2	119	0	1.21	0.00	1.21
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	0	0	1.44	0.00	1.44
132 KV Son Ngr-Rihand	16	2	0	24	0.00	0.24	-0.24
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-193	-136	99	242	0.00	2.70	-2.70
400 KV Barh -GKP (D/C)	448	388	514	0	10.47	0.00	10.47
<b>Sub Total ER</b>	<b>539</b>	<b>421</b>			<b>32.32</b>	<b>18.35</b>	<b>13.97</b>
+/- 800 KV BiswanathCharialli-Agra	0	0	0	500	0.00	0.23	-0.23
<b>Sub Total NER</b>	<b>0</b>	<b>0</b>			<b>0.00</b>	<b>0.23</b>	<b>-0.23</b>
<b>Total IR Exch</b>	<b>5156</b>	<b>4792</b>			<b>162.50</b>	<b>27.43</b>	<b>135.07</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
22.67	0.07	22.74	-0.36	-7.31	-0.79	12.79	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
21.59	106.07	127.66	13.74	121.33	135.07	-7.85	15.26	7.41

**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	-27	-28	0	32	0	1	-0.69

**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	0.00	1.54	38.40	66.35	21.59	10.44	0.15	0.00

<----- Frequency (Hz) ----->				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
Freq	Time	Freq	Time	Hz					
50.21	14.06	49.83	7.49	50.02	0.042	0.061	50.16	49.95	33.65

**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	03:01	398	10:27	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	03:02	402	10:29	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	02:59	399	10:33	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	02:58	402	10:29	0.0	0.0	0.0	0.0	0.0
Dadri	400	423	02:58	403	12:19	0.0	0.0	4.5	0.0	4.5
Ballabgarh	400	429	02:55	406	11:09	0.0	0.0	31.4	0.0	31.4
Bawana	400	426	02:47	404	12:25	0.0	0.0	24.6	0.0	24.6
Bassi	400	420	18:15	397	22:34	0.0	0.0	0.0	0.0	0.0
Hissar	400	421	02:57	401	11:09	0.0	0.0	0.5	0.0	0.5
Moga	400	423	01:12	402	11:25	0.0	0.0	6.3	0.0	6.3
Abdullapur	400	424	02:59	180	10:03	42.3	42.3	16.7	0.0	59.0
Nalagarh	400	432	02:56	412	18:53	0.0	0.0	59.3	3.4	59.3
Kishenpur	400	427	02:56	403	19:12	0.0	0.0	24.7	0.0	24.7
Wagoor	400	406	02:58	379	07:37	1.1	39.3	0.0	0.0	1.1
Amritsar	400	429	20:54	406	11:16	0.0	0.0	38.8	0.0	38.8
Kashipur	400	420	20:59	411	18:52	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	423	20:29	408	10:11	0.0	0.0	10.0	0.0	10.0
Rishikesh	400	414	02:58	388	10:33	0.0	1.6	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	769	03:00	735	12:25	0.0	3.9	0.0	0.0	0.0
Balia	765	792	15:04	759	18:55	0.0	0.0	0.0	0.0	0.0
Moga	765	802	01:12	762	11:11	0.0	0.0	1.7	0.0	1.7
Agra	765	786	21:50	752	10:29	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	765	02:59	736	10:29	0.0	8.1	0.0	0.0	0.0
Lucknow	765	791	03:02	760	10:29	0.0	0.0	0.0	0.0	0.0
Meerut	765	812	01:23	766	11:09	0.0	0.0	13.3	0.0	13.3
Jhatikara	765	805	02:55	768	10:27	0.0	0.0	10.1	0.0	10.1
Bareilly 765 kV	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Anta	765	778	04:02	755	22:35	0.0	0.0	0.0	0.0	0.0
Phagi	765	784	04:06	751	11:13	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	482.74	527.87	481.42	488.47	233.87	343.43
Pong	426.72	384.05	397.42	168.56	401.39	252.05	162.37	19.88
Tehri	829.79	740.04	764.30	157.04	780.25	323.56	40.98	194.00
Koteswar	612.50	598.50	611.07	4.95	610.88	4.95	194.00	182.00
Chamera-I	760.00	748.75	754.24	0.00	0.00	0.00	181.10	299.85
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	497.50	0.00	505.46	2.89	70.40	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	5	246	0	-637	279	0	-2.13	7.21	5.08
Delhi	-838	-226	0	-717	61	0	-17.01	0.09	-16.92
Haryana	-160	-348	0	-189	191	0	-5.17	1.89	-3.28
HP	30	21	0	377	-301	0	8.29	-4.94	3.35
J&K	421	0	0	528	-11	0	9.83	-0.35	9.48
CHD	0	-15	0	0	-51	0	0.00	-0.56	-0.56
Rajasthan	-11	457	0	-7	451	0	0.54	10.64	11.18
UP	125	0	0	-218	0	0	-6.00	0.00	-6.00
Uttarakhand	194	148	0	194	232	0	4.76	4.18	8.94
<b>Total</b>	<b>-234</b>	<b>282</b>	<b>0</b>	<b>-670</b>	<b>851</b>	<b>0</b>	<b>-6.87</b>	<b>18.15</b>	<b>11.28</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	5	-637	363	222	0	0
Delhi	-648	-838	412	-277	0	0
Haryana	-160	-388	255	-586	0	0
HP	574	30	43	-1040	0	0
J&K	528	385	0	-177	0	0
CHD	0	0	0	-80	0	0
Rajasthan	182	-11	462	336	0	0
UP	166	-568	0	0	0	0
Uttarakhand	222	194	330	99	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 13.03.2016 :**

Rain/ Squall/ Storm in some places of Haryana, Delhi NCR, Punjab , Jammu, HP & Western UP

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

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

0.00

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

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