

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसईए की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 15.01.2016

Date of Reporting : 16.01.2016

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
38150	2716	40866	50.05	28929	910	29839	50.11	811.9	65.59

\* 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	48.22	8.20		56.42	41.71	39.71	-2.00	96.13	0.00
Haryana	52.90	0.36		53.26	65.17	61.19	-3.98	114.45	0.09
Rajasthan	124.18	5.08	9.42	138.68	62.71	62.50	-0.21	201.18	12.65
Delhi	14.12			14.12	53.95	50.82	-3.13	64.93	0.14
UP	122.18	5.20		127.38	104.88	101.58	-3.29	228.96	36.06
Uttarakhand		10.01		10.01	20.11	21.87	1.77	31.88	5.07
HP		3.76		3.76	20.93	21.58	0.65	25.35	0.96
J & K		5.47	0.00	5.47	39.00	39.63	0.64	45.10	10.62
Chandigarh				0.00	3.58	3.98	0.27	3.98	0.00
<b>Total</b>	<b>361.59</b>	<b>38.07</b>	<b>9.42</b>	<b>409.08</b>	<b>412.04</b>	<b>402.87</b>	<b>-9.30</b>	<b>811.95</b>	<b>65.59</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	4172	0	-85	-731	2735	0	32	-245	5126
Haryana	6321	413	-52	-496	3428	0	116	-460	6321
Rajasthan	8722	779	132	-83	8408	0	446	114	8960
Delhi	3247	0	-243	-431	1474	0	-96	-991	3962
UP	10441	950	-101	94	9214	360	-296	125	10441
Uttarakhand	1794	75	89	271	1077	150	55	208	1794
HP	1252	0	-225	119	747	90	228	139	1406
J&K	1996	499	-211	796	1758	310	24	723	2005
Chandigarh	206	0	-14	0	88	0	3	-31	228
<b>Total</b>	<b>38150</b>	<b>2716</b>	<b>-710</b>	<b>-461</b>	<b>28929</b>	<b>910</b>	<b>513</b>	<b>-418</b>	<b>38150</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	
										UI [OD:(+ve), UD:(-ve)]
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1870	2005	1604	42.97	1790	42.75	0.21	
	Rihand I STPS (2*500)	1000	878	937	696	19.49	812	19.73	-0.24	
	Rihand II STPS (2*500)	1000	964	1041	734	21.48	895	21.65	-0.17	
	Rihand III STPS (2*500)	1000	774	1019	420	18.13	756	17.85	0.29	
	Dadri I STPS (4*210)	840	815	617	600	13.78	574	14.20	-0.42	
	Dadri II STPS (2*490)	980	980	958	952	19.72	822	20.40	-0.68	
	Unchahar I TPS (2*210)	420	406	402	335	8.26	344	8.96	-0.70	
	Unchahar II TPS (2*210)	420	404	348	311	7.71	321	8.08	-0.37	
	Unchahar III TPS (1*220)	210	202	198	146	4.00	167	4.30	-0.30	
	ISTPP (Jhajjar) (3*500)	1500	1500	1031	625	22.04	919	22.04	-0.57	
	Dadri GPS (4*130.19+2*154.51)	830	813	401	314	8.49	354	8.68	-0.19	
	Anta GPS (3*88.71+1*153.2)	419	411	401	221	6.98	291	7.05	-0.07	
	Auraiya GPS (4*111.19+2*109.30)	663	505	306	163	5.40	225	5.63	-0.23	
	Dadri Solar	5	0	0	0	0.06	2	0.01	0.05	
	Unchahar Solar	10	1	0	0	0.02	1	0.02	-0.01	
	Singrauli Solar	15	1	0	0	0.04	2	0.04	0.00	
	KHEP	800	870	592	0	2.71	113	2.61	0.10	
	<b>Sub Total (A)</b>	<b>12112</b>	<b>11395</b>	<b>10256</b>	<b>7121</b>	<b>201</b>	<b>8387</b>	<b>205</b>	<b>-3</b>	
	B. NPC	NAPS (2*220)	440	405	448	452	9.90	413	9.72	0.18
		RAPS- B (2*220)	440	401	443	445	9.66	402	9.62	0.04
RAPS- C (2*220)		440	420	457	454	9.80	408	10.08	-0.28	
<b>Sub Total (B)</b>		<b>1320</b>	<b>1226</b>	<b>1348</b>	<b>1351</b>	<b>29.36</b>	<b>1223</b>	<b>29.42</b>	<b>-0.07</b>	
C. NHPC	Chamera I HPS (3*180)	540	540	356	0	2.95	123	2.61	0.34	
	Chamera II HPS (3*100)	300	300	304	0	1.12	47	1.00	0.12	
	Chamera III HPS (3*77)	231	154	167	0	0.68	28	0.60	0.08	
	Bairasul HPS(3*60)	180	124	119	0	0.48	20	0.45	0.03	
	Salal-HPS (6*115)	690	102	240	115	2.97	124	2.46	0.52	
	Tanakpur-HPS (3*40)	94	17	32	29	0.49	21	0.42	0.08	
	Uri-I HPS (4*120)	480	198	277	211	4.96	207	4.70	0.26	
	Uri-II HPS (4*80)	240	121	126	126	2.97	124	2.90	0.07	
	Dhauliganga-HPS (4*70)	280	140	143	0	0.85	35	0.77	0.08	
	Dulhasti-HPS (3*130)	390	386	280	0	2.56	107	2.40	0.16	
	Sewa-II HPS (3*40)	120	119	123	0	0.38	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>2201</b>	<b>2166</b>	<b>481</b>	<b>21</b>	<b>884</b>	<b>19</b>	<b>3</b>	
D.SJVNL	NJPC (6*250)	1500	1605	785	0	6.37	265	6.20	0.17	
	Rampur HEP (6*68.67)	412	412	287	0	1.79	75	1.72	0.07	
	<b>Sub Total (D)</b>	<b>1912</b>	<b>2017</b>	<b>1072</b>	<b>0</b>	<b>8.16</b>	<b>340</b>	<b>7.92</b>	<b>0.24</b>	
E. THDC	Tehri HPS (4*250)	1000	912	912	0	8.58	358	8.40	0.18	
	Koteshwar HPS (4*100)	400	130	90	89	3.24	135	3.21	0.03	
	<b>Sub Total (E)</b>	<b>1400</b>	<b>1042</b>	<b>1002</b>	<b>89</b>	<b>11.82</b>	<b>493</b>	<b>11.61</b>	<b>0.21</b>	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	566	1020	374	13.72	572	13.59	0.13	
	Dehar HPS (6*165)	990	120	495	0	2.90	121	2.88	0.02	
	Pong HPS (6*66)	396	263	318	0	6.25	260	6.32	-0.07	
	<b>Sub Total (F)</b>	<b>2765</b>	<b>949</b>	<b>1833</b>	<b>374</b>	<b>22.87</b>	<b>953</b>	<b>22.79</b>	<b>0.08</b>	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	18	0	0.48	20	0.41	0.06	
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	585	0	3.28	137	3.36	-0.08	
	Malana Slg-II HPS (2*50)	100	0	0	0	0.21	9	0.21	0.00	
	Shree Cement TPS (2*150)	300	0	291	300	7.08	295	7.14	-0.06	
	Budhil HPS(IPP) (2*35)	70	0	0	36	0.14	6	0.14	0.00	
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>894</b>	<b>336</b>	<b>11.19</b>	<b>466</b>	<b>11.26</b>	<b>-0.08</b>	
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>18831</b>	<b>18571</b>	<b>9753</b>	<b>305.88</b>	<b>12745</b>	<b>306.24</b>	<b>-0.36</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	3.75	156	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	110	100	2.23	93	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.16	-7	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	719	700	22.39	933	
	Talwandi Saboo (2*660)	1320	673	678	20.01	834	
	<b>Thermal (Total)</b>	<b>5360</b>	<b>1712</b>	<b>1638</b>	<b>48.22</b>	<b>2009</b>	
	Total Hydro	1000	414	212	8.20	342	
	<b>Total Punjab</b>	<b>6360</b>	<b>2126</b>	<b>1850</b>	<b>56.42</b>	<b>2351</b>	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	238	232	5.47	228
DCRTPP (Yamuna nagar) (2*300)		600	564	539	12.72	530	
Faridabad GPS (NTPC)		432	0	0	0.00	0	
RGTPP (khedan) (IPP) (2*600)		1200	1040	1088	23.21	967	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	465	377	11.51	479	
<b>Thermal (Total)</b>		<b>4944</b>	<b>2307</b>	<b>2236</b>	<b>52.90</b>	<b>2204</b>	
Total Hydro		62	10	10	0.36	15	
<b>Total Haryana</b>		<b>5006</b>	<b>2317</b>	<b>2246</b>	<b>53.26</b>	<b>2219</b>	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	935	939	22.33	931
	suratgarh TPS (6*250)	1500	671	666	15.87	661	
	Chabra TPS (4*250)	1000	677	677	13.85	577	
	Dholpur GPS (3*110)	330	29	0	0.58	24	
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	179	181	4.28	178	
	RAPS A (NPC) (1*100+1*200)	300	163	165	4.06	169	
	Barsingsar (NLC) (2*125)	250	182	183	4.11	171	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Raiwest LTPS (IPP) (8*135)	1080	724	725	17.47	728	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalsindh Thermal(2*600)	1200	780	930	19.60	817	
	Kawal(Adani) (2*660)	1320	864	966	22.03	918	
	<b>Thermal (Total)</b>	<b>8876</b>	<b>5204</b>	<b>5432</b>	<b>124</b>	<b>5174</b>	
	Total Hydro	550	245	245	5.08	212	
	Wind power	3214	174	250	6.33	264	
	Biomass	99	23	23	0.55	23	
	Solar	730	0	0	2.55	106	
	Renewable/Others (Total)	4043	197	273	9.42	392	
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5646</b>	<b>5950</b>	<b>138.68</b>	<b>5778</b>	
	UP	Anpara TPS (3*210+2*500)	1630	1217	844	24.30	1013
Obra TPS (2*50+2*94+5*200)		1194	477	478	11.30	471	
Paricha TPS (2*110+2*220+2*250)		1140	780	879	20.90	871	
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaqani TPS (1*60+1*105+2*250)		665	536	535	12.80	533	
Tanda TPS (NTPC) (4*110)		440	279	390	8.98	374	
Rozsa TPS (IPP) (4*300)		1200	378	558	11.90	496	
Anpara-C (IPP) (2*600)		1200	539	536	12.80	533	
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>4206</b>	<b>4220</b>	<b>103</b>	<b>4291</b>	
Vishnupanyag HPS (IPP)(4*110)		440	77	0	1.30	54	
Alaknanda(4*82.5)		330	50	0	1.00	42	
Other Hydro		527	60	148	2.90	121	
Cogeneration		981	800	800	19.20	800	
<b>Total UP</b>		<b>13547</b>	<b>5193</b>	<b>5168</b>	<b>127</b>	<b>5307</b>	
Uttarakhand		Total Hydro	1398	546	353	10.01	417
		<b>Total Uttarakhand</b>	<b>1398</b>	<b>546</b>	<b>353</b>	<b>10.01</b>	<b>417</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	35	35	0.92	38	
	Pragati Gas Turbine (2x104+ 1x122)	330	140	140	3.38	141	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	253	249	6.04	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	164	164	3.79	158	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>592</b>	<b>588</b>	<b>14.12</b>	<b>588</b>	
	<b>Total Delhi</b>	<b>2917</b>	<b>592</b>	<b>588</b>	<b>14.12</b>	<b>588</b>	
HP	Baspa HPS (IPP) (3*100)	300	32	0	0.98	41	
	Malana HPS (IPP) (2*43)	86	0	0	0.18	8	
	Other Hydro	878	107	85	2.60	108	
	<b>Total HP</b>	<b>1264</b>	<b>139</b>	<b>85</b>	<b>3.76</b>	<b>157</b>	
J & K	Baqilhar HPS (IPP) (3*150)	450	143	143	3.43	143	
	Other Hydro/IPP	560	110	72	2.04	85	
	Gas/Diesel/Others	190	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1200</b>	<b>253</b>	<b>215</b>	<b>5.47</b>	<b>228</b>	
<b>Total State Control Area Generation</b>		<b>45161</b>	<b>16812</b>	<b>16455</b>	<b>409.08</b>	<b>17045</b>	
<b>J. Net Inter Regional Exchange</b> [Import (+ve)/Export (-ve)]			<b>6648.73</b>	<b>5939.56</b>	<b>171.98</b>	<b>7166</b>	
<b>Total Regional Availability(Gross)</b>		<b>70398</b>	<b>42031</b>	<b>32147</b>	<b>886.94</b>	<b>36956</b>	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	7268	944	70.74	2947
State Control Area Hydro	6581	1794	1268	38	1586
<b>Total Regional Hydro</b>	<b>18815</b>	<b>9062</b>	<b>2212</b>	<b>108.81</b>	<b>4534</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	
Vindhychal(HVDC B/B)	0	0	0	0	0	0	0.00	0.00	0.00
765 KV Gwalior-Agra (D/C)	2079	0	3355	0	74.70	0.00	74.70	0.00	74.70
400 KV Zarda-Kankrolli	-62	-179	106	235	0.00	2.74	0.00	2.74	-2.74
400 KV Zarda-Bhimnal	23	-80	246	138	0.00	0.22	0.00	0.22	-0.22
220 KV Auraiya-Malapur	-54	0	0	122	0.00	0.76	0.00	0.76	-0.76
220 KV Badod-Kota/Morak	-67	-55	63	108	0.00	1.28	0.00	1.28	-1.28
Mundra-Mohindergarh(HVDC Bipole)	2500	2501	2514	0	58.22	0.00	58.22	0.00	58.22
400 KV Vindhychal - Rihand	200	-100	350	350	2.58	2.02	0.56	0.56	0.56
765 KV Phagi-Gwalior (D/C)	108	1386	1876	0	20.66	0.00	20.66	0.00	20.66
<b>Sub Total WR</b>	<b>4727</b>	<b>3473</b>			<b>156.17</b>	<b>7.00</b>	<b>149.17</b>		
Pusaali Bypass/HVDC	400	400	400	0	9.16	0.00	9.16	0.00	9.16
400 KV MZP- GKP (D/C)	650	472	0	854	0.00	13.10	-13.10	0.00	-13.10
400 KV Patna-Balia(D/C) X 2	330	589	686	0	11.46	0.00	11.46	0.00	11.46
400 KV B Sharif-Balia (D/C)	-218	-158	0	294	0.00	3.97	-3.97	0.00	-3.97
765 KV Gaya-Balia	165	218	218	0	1.95	0.00	1.95	0.00	1.95
765 KV Gaya-Fatehpur	-59	58	309	59	2.28	0.00	2.28	0.00	2.28
220 KV Pusaali-Sahupuri	151	184	184	0	3.69	0.00	3.69	0.00	3.69
132 KV Knasa-Sahupuri	0	0	0	0	0.00	0.00	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-24	-29	0	31	0.00	0.60	-0.60	0.00	-0.60
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-371	-273	7	371	0.00	5.17	-5.17	0.00	-5.17
400 KV Barh-GKP (D/C)	398	506	562	0	8.47	0.00	8.47	0.00	8.47
<b>Sub Total ER</b>	<b>1422</b>	<b>1967</b>			<b>36.99</b>	<b>22.85</b>	<b>14.15</b>		
+/- 800 KV BiswanathChariali-Agra	500	500	500	0	8.67	0.00	8.67	0.00	8.67
<b>Sub Total NER</b>	<b>500</b>	<b>500</b>			<b>8.67</b>	<b>0.00</b>	<b>8.67</b>		
<b>Total IR Exch</b>	<b>6649</b>	<b>5940</b>			<b>201.83</b>	<b>29.85</b>	<b>171.98</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	
34.45	0.22	34.67	-0.10	-12.82	1.49	0.00	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	
41.00	89.95	130.95	22.81	149.17	171.98	-18.18	59.22	41.03	

**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	-27	-27	0	34	0	1	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	0.21	8.89	47.00	63.13	17.05	10.03	1.03	NA

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum	Time	Minimum	Time				MAX (Hz)	MIN (Hz)	
50.34	6.03	49.77	18.11	50.01	0.062	0.078	50.20	0.00	36.87

**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	01:04	396	06:04	0.0	0.0	
Gorakhpur	400	419	21:55	398	07:15	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	02:03	380	07:23	0.0	0.0	0.0	0.0	0.0
Kanpur	400	411	23:47	398	07:31	0.0	0.0	0.0	0.0	0.0
Dadri	400	425	02:01	401	11:15	0.0	0.0	21.5	0.0	21.5
Ballabgarh	400	411	00:00	411	00:00	0.0	0.0	0.0	0.0	0.0
Bawana	400	428	02:40	407	11:06	0.0	0.0	33.5	0.0	33.5
Bassi	400	422	20:41	380	07:48	0.0	1.7	0.7	0.0	0.7
Hissar	400	422	21:41	400	07:48	0.0	0.0	2.0	0.0	2.0
Moga	400	423	21:21	403	07:48	0.0	0.0	6.0	0.0	6.0
Abdullapur	400	427	02:03	408	06:48	0.0	0.0	21.0	0.0	21.0
Nalagarh	400	437	02:41	413	09:22	0.0	0.0	75.5	24.3	75.5
Kishenpur	400	422	03:03	398	07:48	0.0	0.0	3.5	0.0	3.5
Wagooora	400	398	13:02	371	18:22	23.6	80.6	0.0	0.0	23.6
Amritsar	400	431	20:42	410	07:48	0.0	0.0	61.7	0.0	61.7
Kashipur	400	420	19:37	412	17:52	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	427	03:03	404	07:47	0.0	0.0	27.9	0.0	27.9
Rishikesh	400	416	20:02	397	17:54	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	778	21:45	733	07:31	0.0	8.7	
Balia	765	770	21:55	735	07:31	0.0	10.6	0.0	0.0	0.0
Moga	765	805	20:43	758	07:48	0.0	0.0	2.7	0.0	2.7
Agra	765	794	23:33	742	07:31	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	805	21:46	757	07:44	0.0	0.0	12.1	0.0	12.1
Unnao	765	772	02:03	733	11:18	0.0	5.8	0.0	0.0	0.0
Lucknow	765	787	21:55	745	11:17	0.0	0.0	0.0	0.0	0.0
Meerut	765	811	21:22	765	07:48	0.0	0.0	22.6	0.0	22.6
Jhatikara	765	806	02:40	762	07:47	0.0	0.0	15.4	0.0	15.4
Bareilly 765 kV	765	790	21:55	741	11:18	0.0	0.1	0.0	0.0	0.0
Anta	765	783	12:27	750	07:40	0.0	0.0	0.0	0.0	0.0
Phagi	765	792	12:31	718	07:49	1.1	1.8	0.0	0.0	1.1

**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	498.38	1029.80	494.96	903.28	167.72	414.13
Pong	426.72	384.05	408.56	444.61	403.43	304.55	58.33	418.41
Tehri	829.79	740.04	795.70	552.00	804.60	696.77	46.99	229.00
Koteshwar	612.50	598.50	611.18	4.95	608.92	3.98	229.00	213.00
Chamera-I	760.00	748.75	758.09	0.00	0.00	0.00	57.15	79.14
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	496.56	1.83	504.00	2.33	45.23	107.48

\* 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	29	0	-785	53	0	-12.21	1.22	-10.99
Delhi	-840	-151	0	-544	113	0	-13.87	0.49	-13.39
Haryana	-541	81	0	-597	102	0	-14.78	1.67	-13.10
HP	110	29	0	164	-45	0	7.94	-2.09	5.85
J&K	723	0	0	761	35	0	16.66	-0.18	16.49
CHD	-31	0	0	0	0	0	-0.24	-0.03	-0.27
Rajasthan	-7	121	0	-7	-76	0	2.48	3.68	6.16
UP	125	0	0	94	0	0	-2.10	0.00	-2.10
Uttarakhand	193	16	0	193	78	0	4.74	1.55	6.28
<b>Total</b>	<b>-543</b>	<b>125</b>	<b>0</b>	<b>-722</b>	<b>260</b>	<b>0</b>	<b>-11.38</b>	<b>6.31</b>	<b>-5.07</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-274	-785	157	8	0	0
Delhi	-281	-870	309	-169	0	0
Haryana	-541	-801	304	-321	0	0
HP	489	102	301	-627	0	0
J&K	810	572	35	-114	0	0
CHD	0	-31	12	-31	0	0
Rajasthan	407	-7	769	-332	1	0
UP	156	-325	0	0	0	0
Uttarakhand	221	193	199	2	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	8
ER	0
Simultaneous	0

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

WR	27
ER	0
Simultaneous	0

**XII. System Constraints:**

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

**XIV. Weather Conditions For 15.01.2016 :**

**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 :**