

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसई की पूर्ण स्वामित्व प्राप्त सख्यक कंपनी)

## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 26.01.2016  
Date of Reporting : 27.01.2016



### 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
36802	1687	38489	50.07	30547	326	30872	50.10	826.7	33.69

\* 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	51.40	6.89		58.29	34.54	35.59	1.05	93.88	0.00
Haryana	54.45	0.26		54.70	59.64	57.55	-2.09	112.26	0.00
Rajasthan	138.48	4.83	4.27	147.59	69.12	72.14	3.02	219.73	0.00
Delhi	7.66			7.66	49.36	48.76	-0.60	56.42	0.02
UP	137.41	3.50		140.91	99.58	98.62	-0.97	239.53	22.73
Uttarakhand		9.37		9.37	22.90	23.16	0.26	32.53	0.00
HP		2.99		2.99	19.05	19.40	0.36	22.39	0.01
J & K		5.27	0.00	5.27	39.40	41.11	1.71	46.37	10.92
Chandigarh				0.00	3.51	3.60	0.27	3.60	0.00
<b>Total</b>	<b>389.40</b>	<b>33.10</b>	<b>4.27</b>	<b>426.77</b>	<b>397.09</b>	<b>399.92</b>	<b>3.02</b>	<b>826.69</b>	<b>33.69</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	4439	0	380	-613	3087	0	60	-111	5003
Haryana	6174	0	-123	-528	3521	0	-39	-420	6174
Rajasthan	8944	0	-420	499	8657	0	321	638	10353
Delhi	2522	0	-167	-345	1627	0	174	-1204	3324
UP	9692	1180	127	-51	9747	0	-165	124	11221
Uttarakhand	1704	0	-118	590	1196	0	-7	442	1811
HP	1109	0	-48	222	768	0	45	333	1229
J&K	2028	507	33	879	1845	326	120	744	2090
Chandigarh	189	0	-9	0	98	0	11	-31	211
<b>Total</b>	<b>36802</b>	<b>1687</b>	<b>-345</b>	<b>653</b>	<b>30547</b>	<b>326</b>	<b>521</b>	<b>517</b>	<b>38737</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	1875	2003	1593	39.71	1655	42.13	-2.42
	Rihand I STPS (2*500)	1000	871	787	731	18.18	758	17.94	0.25
	Rihand II STPS (2*500)	1000	964	826	793	19.80	825	19.50	0.30
	Rihand III STPS (2*500)	1000	914	789	786	19.37	807	19.27	0.10
	Dadri I STPS (4*210)	840	815	616	606	13.59	566	13.90	-0.31
	Dadri II STPS (2*490)	980	980	704	688	16.59	691	17.12	-0.53
	Unchahar I TPS (2*210)	420	406	290	296	6.92	288	7.40	-0.48
	Unchahar II TPS (2*210)	420	404	289	308	6.83	284	7.22	-0.39
	Unchahar III TPS (1*220)	210	202	146	150	3.40	142	3.63	-0.23
	ISTPP (Jhajhar) (3*500)	1500	1475	639	659	14.56	607	14.69	-0.13
	Dadri GPS (4*130.19+2*154.51)	830	813	372	368	8.16	340	8.49	-0.34
	Anta GPS (3*88.71+1*153.2)	419	415	-1	-1	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	653	157	158	3.57	149	3.66	-0.09
	Dadri Solar	5	0	0	0	0.01	0	0.01	0.00
	Unchahar Solar	10	1	0	0	0.03	1	0.02	0.00
	Singrauli Solar	15	3	0	0	0.07	3	0.06	0.01
	KHEP	800	655	0	0	1.94	81	1.97	-0.03
<b>Sub Total (A)</b>	<b>12112</b>	<b>11445</b>	<b>7617</b>	<b>7136</b>	<b>173</b>	<b>7197</b>	<b>177</b>	<b>-4</b>	
B. NPC	NAPS (2*220)	440	412	454	459	10.02	417	9.89	0.13
	RAPS- B (2*220)	440	385	424	426	9.17	382	9.24	-0.07
	RAPS- C (2*220)	440	420	420	420	10.08	420	10.08	0.00
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1217</b>	<b>1298</b>	<b>1305</b>	<b>29.26</b>	<b>1219</b>	<b>29.21</b>	<b>0.06</b>
C. NHPC	Chamera I HPS (3*180)	540	360	371	0	1.50	63	1.25	0.25
	Chamera II HPS (3*100)	300	200	203	0	0.96	40	0.88	0.08
	Chamera III HPS (3*77)	231	155	120	0	0.50	21	0.46	0.04
	Bairasuli HPS(3*60)	180	124	126	0	0.40	17	0.37	0.02
	Salal-HPS (6*115)	690	103	230	90	2.85	119	2.48	0.37
	Tanakpur-HPS (3*40)	94	16	32	16	0.43	18	0.39	0.04
	Uri-I HPS (4*120)	480	149	230	140	3.82	159	3.56	0.26
	Uri-II HPS (4*60)	240	98	147	153	2.42	101	2.35	0.07
	Dhauliganga-HPS (4*70)	280	210	205	0	0.79	33	0.70	0.09
	Dulhasi-HPS (3*130)	390	258	271	0	2.58	107	2.40	0.18
	Sewa-II HPS (3*40)	120	119	91	0	0.28	12	0.33	-0.05
Parbati 3 (4*130)	520	0	0	0	0.00	0	0.00	0.00	
<b>Sub Total (C)</b>	<b>4065</b>	<b>1792</b>	<b>2026</b>	<b>399</b>	<b>17</b>	<b>689</b>	<b>15</b>	<b>1</b>	
D.SJVNL	NJPC (6*250)	1500	1605	1617	0	6.25	260	6.00	0.25
	Rampur HEP (6*68.67)	412	344	371	0	1.69	71	1.56	0.13
<b>Sub Total (D)</b>	<b>1912</b>	<b>1949</b>	<b>1988</b>	<b>0</b>	<b>7.94</b>	<b>331</b>	<b>7.56</b>	<b>0.38</b>	
E. THDC	Tehri HPS (4*250)	1000	872	657	0	7.75	323	7.70	0.05
	Koteshwar HPS (4*100)	400	128	402	91	3.10	129	3.08	0.02
<b>Sub Total (E)</b>	<b>1400</b>	<b>1000</b>	<b>1059</b>	<b>91</b>	<b>10.85</b>	<b>452</b>	<b>10.78</b>	<b>0.07</b>	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	540	1002	359	13.15	548	12.96	0.19
	Dehar HPS (6*165)	990	108	495	0	2.42	101	2.60	-0.18
	Pong HPS (6*66)	396	290	384	60	6.83	285	6.96	-0.13
	<b>Sub Total (F)</b>	<b>2765</b>	<b>938</b>	<b>1881</b>	<b>419</b>	<b>22.40</b>	<b>933</b>	<b>22.52</b>	<b>-0.12</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.40	17	0.39	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	585	0	3.34	139	3.36	-0.02
	Malana Stg-II HPS (2*50)	100	0	0	0	0.15	6	0.14	0.01
	Shree Cement TPS (2*150)	300	0	296	205	6.37	265	6.30	0.07
	Budhi HPS(IPP) (2*35)	70	0	35	0	0.14	6	0.14	0.00
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>916</b>	<b>205</b>	<b>10.40</b>	<b>433</b>	<b>10.33</b>	<b>0.08</b>
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>18342</b>	<b>16785</b>	<b>9554</b>	<b>270.10</b>	<b>11254</b>	<b>272.57</b>	<b>-2.46</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	340	320	7.40	308
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.23	93
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	404	383	8.72	363
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	818	705	19.49	812
	Talwandi Saboo (2*660)	1320	370	669	13.56	565
	<b>Thermal (Total)</b>	<b>5360</b>	<b>2032</b>	<b>2177</b>	<b>51.40</b>	<b>2142</b>
	Total Hydro	1000	404	225	6.89	287
	<b>Total Punjab</b>	<b>6360</b>	<b>2436</b>	<b>2402</b>	<b>58.29</b>	<b>2429</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	239	225	5.27
DCRTPP (Yamuna nagar) (2*300)		600	550	465	11.23	468
Faridabad GPS (NTPC)		432	0	0	0.00	0
RGTPP (kheadar) (IPP) (2*600)		1200	1124	807	20.11	838
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	738	740	17.83	743
<b>Thermal (Total)</b>		<b>4944</b>	<b>2651</b>	<b>2237</b>	<b>54.45</b>	<b>2269</b>
Total Hydro		62	8	8	0.26	11
<b>Total Haryana</b>		<b>5006</b>	<b>2659</b>	<b>2245</b>	<b>54.70</b>	<b>2279</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	994	1026	25.43
	suratgarh TPS (6*250)	1500	942	957	23.22	967
	Chabra TPS (4*250)	1000	502	611	13.48	562
	Dholpur GPS (3*110)	330	94	119	2.96	123
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	185	175	4.29	179
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	157	92	2.63	110
	Giral LTPS (2*125)	250	42	42	0.79	33
	Rajwst LTPS (IPP) (8*135)	1080	657	707	17.76	740
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	851	843	22.76	948
	Kawai(Adani) (2*660)	1320	1160	855	25.18	1049
	<b>Thermal (Total)</b>	<b>8876</b>	<b>5584</b>	<b>5427</b>	<b>138</b>	<b>5770</b>
	Total Hydro	550	130	138	4.83	201
	Wind power	3214	59	279	3.71	154
	Biomass	99	24	24	0.57	24
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	83	303	4.27	178
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5797</b>	<b>5868</b>	<b>147.59</b>	<b>6149</b>
	UP	Anpara TPS (3*210+2*500)	1630	1342	1330	32.00
Obra TPS (2*50+2*94+5*200)		1194	429	472	10.20	425
Paricha TPS (2*110+2*220+2*250)		1140	650	842	20.60	858
Panki TPS (2*105)		210	0	0	0.00	0
Harduaagan TPS (1*60+1*105+2*250)		665	418	547	12.60	525
Tanda TPS (NTPC) (4*110)		440	276	276	8.01	334
Roza TPS (IPP) (4*300)		1200	378	383	11.10	463
Anpara-C (IPP) (2*600)		1200	639	1022	23.70	988
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>4132</b>	<b>4872</b>	<b>118</b>	<b>4925</b>
Vishnuparyag HPS (IPP)(4*110)		440	68	66	1.60	67
Alakanada(4*82.5)		330	72	0	1.00	42
Other Hydro		527	44	22	0.90	38
Cogeneration	981	800	800	19.20	800	
<b>Total UP</b>	<b>13547</b>	<b>5116</b>	<b>5760</b>	<b>141</b>	<b>5871</b>	
Uttarakhand	Total Hydro	1398	641	275	9.37	390
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>641</b>	<b>275</b>	<b>9.37</b>	<b>390</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	40	40	0.88	37
	Praagati Gas Turbine (2x104+ 1x122)	330	140	141	3.37	140
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	-5	-8	-0.13	-5
	Badarpur TPS (NTPC) (3*95+2*210)	705	162	163	3.55	148
	<b>Thermal (Total)</b>	<b>2917</b>	<b>337</b>	<b>336</b>	<b>7.66</b>	<b>319</b>
<b>Total Delhi</b>	<b>2917</b>	<b>337</b>	<b>336</b>	<b>7.66</b>	<b>319</b>	
HP	Baspa HPS (IPP) (3*100)	300	0	28	0.75	31
	Malana HPS (IPP) (2*43)	86	0	0	0.15	6
	Other Hydro	878	121	53	2.08	87
	<b>Total HP</b>	<b>1264</b>	<b>121</b>	<b>81</b>	<b>2.99</b>	<b>124</b>
J & K	Baglihar HPS (IPP) (3*150)	450	143	143	3.43	143
	Other Hydro/IPP	560	94	66	1.84	77
	Gas/Diesel/Others	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1200</b>	<b>237</b>	<b>209</b>	<b>5.27</b>	<b>219</b>
<b>Total State Control Area Generation</b>		<b>45161</b>	<b>17344</b>	<b>17176</b>	<b>426.77</b>	<b>17782</b>
<b>J. Net Inter Regional Exchange</b> (Import (+ve)/Export (-ve))			<b>4978</b>	<b>5673</b>	<b>151.96</b>	<b>6332</b>
<b>Total Regional Availability(Gross)</b>		<b>70398</b>	<b>39107</b>	<b>32403</b>	<b>848.83</b>	<b>35368</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	7539	909	63.55	2648
State Control Area Hydro	6581	1725	1024	33	1379
<b>Total Regional Hydro</b>	<b>18815</b>	<b>9264</b>	<b>1933</b>	<b>96.65</b>	<b>4027</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)	50	-50	100	200	0.79	1.23	-0.44	
765 KV Gwalior-Agra (D/C)	2154	2335	3187	0	63.75	0.00	63.75		
400 KV Zarda-Kankroli	-47	-150	122	189	0.00	0.74	-0.74		
400 KV Zarda-Bhinmal	75	-43	265	125	1.91	0.00	1.91		
220 KV Auraiya-Malanpur	-77	-44	0	80	0.00	1.13	-1.13		
220 KV Badod-Kota/Morak	32	0	40	16	0.81	0.00	0.81		
Mundra-Mohindergarh(HVDC Bipole)	2103	2098	2506	0	51.46	0.00	51.46		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Phagi-Gwalior (D/C)	780	806	559	0	21.66	0.00	21.66		
<b>Sub Total WR</b>	<b>5070</b>	<b>4960</b>			<b>140.38</b>	<b>3.10</b>	<b>137.28</b>		
Pusauli Bypass/HVDC	400	400	400	0	8.97	0.00	8.97		
400 KV MZP- GKP (D/C)	-478	-72	0	576	0.00	4.64	-4.64		
400 KV Patna-Balia(D/C) X 2	228	333	449	0	8.48	0.00	8.48		
400 KV B' Sharif-Balia (D/C)	-228	-95	0	374	0.00	2.77	-2.77		
765 KV Gaya-Balia	170	153	194	0	1.76	0.00	1.76		
765 KV Gaya-Fatehpur	123	106	289	0	4.06	0.00	4.06		
220 KV Pusauli-Sahupuri	137	109	182	0	3.10	0.00	3.10		
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96		
132 KV Son Ngr-Rihand	-32	-18	0	34	0.00	0.60	-0.60		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-266	-123	34	266	0.00	2.24	-2.24		
400 KV Barh -GKP (D/C)	354	420	468	0	9.71	0.00	9.71		
<b>Sub Total ER</b>	<b>408</b>	<b>1213</b>			<b>37.03</b>	<b>10.25</b>	<b>26.78</b>		
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500	0.00	12.11	-12.11		
<b>Sub Total NER</b>	<b>-500</b>	<b>-500</b>			<b>0.00</b>	<b>12.11</b>	<b>-12.11</b>		
<b>Total IR Exch</b>	<b>4978</b>	<b>5673</b>			<b>177.41</b>	<b>25.45</b>	<b>151.96</b>		

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

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdli (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
27.51	0.10	27.61	1.08	-3.32	0.33	16.11	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
33.95	119.54	153.49	14.67	137.28	151.96	-19.28	17.74	-1.53

**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	-31	-29	0	34	0	1	-0.67	

**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	2.28	47.53	76.12	15.72	5.57	0.36	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)			
50.39	18.01	49.84	8.17	50.01	0.035	0.059	50.13	49.91	23.88

**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	407	05:07	397	14:51	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	05:04	396	17:37	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	424	05:04	400	12:39	0.0	0.0	1.3	0.0	1.3
Kanpur	400	423	05:00	402	09:50	0.0	0.0	3.4	0.0	3.4
Dadr	400	427	02:59	404	11:11	0.1	0.1	20.0	0.0	20.0
Ballaahgarh	400	434	05:02	407	10:37	0.0	0.0	39.5	10.8	39.5
Bawana	400	429	02:56	407	11:07	0.0	0.0	30.7	0.0	30.7
Bassi	400	426	05:01	394	16:22	0.0	0.0	6.4	0.0	6.4
Hissar	400	421	03:01	399	11:07	0.0	0.0	0.0	0.0	0.0
Moga	400	423	02:59	404	11:09	0.0	0.0	14.5	0.0	14.5
Abdullapur	400	424	03:02	396	11:54	0.0	0.0	13.6	0.0	13.6
Nalagarh	400	435	02:59	411	10:21	0.0	0.0	52.3	16.4	52.3
Kishenpur	400	427	21:19	397	11:05	0.0	0.0	7.9	0.0	7.9
Wagoora	400	413	20:05	368	18:23	39.6	77.8	0.0	0.0	39.6
Amritsar	400	430	03:01	411	11:09	0.0	0.0	41.0	0.0	41.0
Kashipur	400	423	05:00	412	09:20	0.0	0.0	14.3	0.0	14.3
Hamirpur	400	424	03:42	409	12:53	0.0	0.0	21.9	0.0	21.9
Rishkesh	400	426	05:03	394	09:50	0.0	0.0	14.6	0.0	14.6

**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	779	21:46	735	16:22	0.0	3.0	0.0	0.0	0.0
Balia	765	764	21:55	738	16:22	0.0	13.9	0.0	0.0	0.0
Moga	765	805	21:47	764	11:07	0.0	0.0	2.4	0.0	2.4
Agra	765	797	05:03	750	16:22	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	805	02:57	766	10:21	0.0	0.0	13.8	0.0	13.8
Unnao	765	772	05:03	750	00:07	0.0	0.0	0.0	0.0	0.0
Lucknow	765	790	05:03	751	12:40	0.0	0.0	0.0	0.0	0.0
Meerut	765	813	05:02	769	11:38	0.0	0.0	25.0	0.0	25.0
Jhatikara	765	815	03:00	768	10:20	0.0	0.0	22.3	0.0	22.3
Bareilly 765 kV	765	795	05:03	753	12:39	0.0	0.0	0.0	0.0	0.0
Anta	765	781	02:24	756	09:47	0.0	0.0	0.0	0.0	0.0
Phagi	765	793	04:03	748	16:21	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	496.43	960.37	493.09	838.00	133.49	402.75
Pong	426.72	384.05	406.40	379.44	401.88	259.17	41.51	469.86
Tehri	829.79	740.04	790.45	460.00	799.80	608.00	58.23	213.00
Koteshwar	612.50	598.50	611.00	4.95	609.33	4.21	213.00	203.77
Chamera-I	760.00	748.75	758.46	0.00	0.00	0.00	37.69	40.33
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	495.87	0.74	502.96	0.84	43.18	12.46

\* 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	-358	247	0	-812	198	0	-15.18	5.60	-9.59
Delhi	-844	-360	0	-546	201	0	-13.95	-1.35	-15.30
Haryana	-595	175	0	-651	124	0	-16.07	3.45	-12.63
HP	163	170	0	225	-3	0	10.62	-2.85	7.77
J&K	720	24	0	781	98	0	16.79	1.42	18.21
CHD	-31	0	0	0	0	0	-0.25	0.21	-0.04
Rajasthan	-7	643	3	-7	504	3	8.99	12.18	21.16
UP	124	0	0	-51	0	0	-3.84	0.00	-3.84
Uttarakhand	383	59	0	383	207	0	9.32	1.90	11.22
<b>Total</b>	<b>-444</b>	<b>958</b>	<b>3</b>	<b>-677</b>	<b>1327</b>	<b>3</b>	<b>-3.57</b>	<b>20.55</b>	<b>16.97</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-358	-924	247	155	0	0
Delhi	-283	-874	396	-394	0	0
Haryana	-595	-856	178	59	0	0
HP	655	163	189	-807	0	0
J&K	781	570	146	-102	0	0
CHD	0	-31	44	-26	0	0
Rajasthan	884	-7	647	396	3	3
UP	155	-431	0	0	0	0
Uttarakhand	412	383	207	-41	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	2.08%
ER	0.00%
Simultaneous	0.00%

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

WR	10.42%
ER	0.00%
Simultaneous	0.00%

**XII. System Constraints:**

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

**XIV. Weather Conditions For 26.01.2016 :**

Normal

**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 :**