

# 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 25.02.2016  
Date of Reporting : 26.02.2016



### 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
38391	1034	39426	50.09	30585	1626	32211	50.12	838.9	48.36

\* 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	36.58	8.17		44.74	58.12	57.78	-0.34	102.52	0.00
Haryana	43.58	0.29		43.88	80.30	80.16	-0.14	124.04	0.00
Rajasthan	126.72	4.11	4.15	134.97	75.09	76.80	1.72	211.78	0.00
Delhi	15.59			15.59	43.48	45.06	1.58	60.65	0.02
UP	125.72	4.39		130.11	103.90	105.67	1.77	235.78	38.45
Uttarakhand		9.80		9.80	22.90	24.35	1.45	34.15	0.00
HP		3.87		3.87	20.65	20.72	-0.07	24.59	0.02
J & K		6.19	0.00	6.19	35.82	35.77	-0.06	41.96	9.87
Chandigarh				0.00	3.36	3.42	0.27	3.42	0.00
<b>Total</b>	<b>348.19</b>	<b>36.82</b>	<b>4.15</b>	<b>389.15</b>	<b>443.61</b>	<b>449.73</b>	<b>6.33</b>	<b>838.88</b>	<b>48.36</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	4911	0	21	-303	3093	0	36	220	5079
Haryana	5972	0	-94	-76	3792	0	31	-143	6078
Rajasthan	8555	0	-70	649	8694	0	294	706	10135
Delhi	2900	0	-96	-492	1520	0	188	-1460	3217
UP	11059	555	282	64	9797	1335	91	130	11569
Uttarakhand	1782	0	22	412	1184	0	166	290	1782
HP	1113	0	-136	214	763	0	46	305	1365
J&K	1916	479	29	619	1652	291	-25	622	1991
Chandigarh	183	0	-8	-20	90	0	4	-30	188
<b>Total</b>	<b>38391</b>	<b>1034</b>	<b>-50</b>	<b>1067</b>	<b>30585</b>	<b>1626</b>	<b>831</b>	<b>640</b>	<b>39476</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	Off Peak MW	Energy	Average	Schedule	UI
				(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1869	1910	2029	45.12	1880	44.80	0.32
	Rihand I STPS (2*500)	1000	851	914	768	18.89	787	18.79	0.11
	Rihand II STPS (2*500)	1000	958	1022	796	22.03	918	21.34	0.70
	Rihand III STPS (2*500)	1000	968	998	846	22.05	919	21.70	0.35
	Dadri I STPS (4*210)	840	815	475	468	10.64	443	10.90	-0.26
	Dadri II STPS (2*490)	980	980	712	710	16.65	694	17.12	-0.47
	Unchahar I TPS (2*210)	420	406	428	325	8.34	348	8.34	0.01
	Unchahar II TPS (2*210)	420	404	435	314	7.66	319	7.60	0.06
	Unchahar III TPS (1*220)	210	202	223	154	3.98	166	3.98	0.00
	ISTPP (Jhajhar) (3*500)	1500	950	643	629	14.52	605	14.84	-0.31
	Dadri GPS (4*130.19+2*154.51)	830	816	506	346	10.15	423	10.71	-0.56
	Anta GPS (3*88.71+1*153.2)	419	415	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	494	294	301	6.83	285	7.06	-0.23
	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	3	0	0	0.06	3	0.07	-0.01
	KHEP	800	655	589	0	2.49	104	2.30	0.19
<b>Sub Total (A)</b>	<b>12112</b>	<b>10788</b>	<b>9149</b>	<b>7686</b>	<b>189</b>	<b>7895</b>	<b>190</b>	<b>0</b>	
B. NPC	NAPS (2*220)	440	408	439	454	9.82	409	9.79	0.03
	RAPS- B (2*220)	440	385	424	428	9.23	385	9.24	-0.01
	RAPS- C (2*220)	440	425	452	454	9.85	410	10.20	-0.35
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1218</b>	<b>1315</b>	<b>1336</b>	<b>28.90</b>	<b>1204</b>	<b>29.23</b>	<b>-0.33</b>
C. NHPC	Chamera I HPS (3*180)	540	360	374	0	3.22	134	2.90	0.32
	Chamera II HPS (3*100)	300	200	209	0	1.18	49	1.08	0.10
	Chamera III HPS (3*77)	231	190	222	0	0.64	27	0.57	0.07
	Bairasuli HPS(3*60)	180	182	184	0	0.08	3	0.72	-0.64
	Salal-HPS (6*115)	690	131	345	179	3.81	159	3.18	0.64
	Tanakpur-HPS (3*40)	94	15	16	14	0.41	17	0.36	0.05
	Uri-I HPS (4*120)	480	343	350	356	8.64	360	8.20	0.43
	Uri-II HPS (4*60)	240	175	178	178	4.22	176	4.20	0.02
	Dhauliganga-HPS (4*70)	280	280	286	0	0.70	29	0.63	0.07
	Dulhasti-HPS (3*130)	390	298	0	0	1.18	49	1.10	0.08
	Sewa-II HPS (3*40)	120	119	0	0	0.00	0	0.37	-0.37
	Parbati 3 (4*130)	520	130	135	0	0.41	17	0.39	0.02
	<b>Sub Total (C)</b>	<b>4065</b>	<b>2423</b>	<b>2299</b>	<b>726</b>	<b>24</b>	<b>1021</b>	<b>24</b>	<b>1</b>
D.SJVNL	NJPC (6*250)	1500	1605	1574	0	6.94	289	6.64	0.30
	Rampur HEP (6*68.67)	412	375	369	0	1.86	77	1.79	0.07
<b>Sub Total (D)</b>	<b>1912</b>	<b>1980</b>	<b>1943</b>	<b>0</b>	<b>8.80</b>	<b>367</b>	<b>8.43</b>	<b>0.37</b>	
E. THDC	Tehri HPS (4*250)	1000	752	754	0	7.43	309	7.40	0.03
	Koteshwar HPS (4*100)	400	130	402	91	3.17	132	3.13	0.04
<b>Sub Total (E)</b>	<b>1400</b>	<b>882</b>	<b>1156</b>	<b>91</b>	<b>10.60</b>	<b>441</b>	<b>10.53</b>	<b>0.07</b>	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	643	1209	365	15.71	654	15.43	0.27
	Dehar HPS (6*165)	990	127	495	0	3.21	134	3.04	0.17
	Pong HPS (6*66)	396	215	295	59	5.00	209	5.16	-0.16
<b>Sub Total (F)</b>	<b>2765</b>	<b>985</b>	<b>1999</b>	<b>424</b>	<b>23.92</b>	<b>997</b>	<b>23.63</b>	<b>0.28</b>	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.43	18	0.41	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.38	141	4.08	-0.70
	Malana Stg-II HPS (2*50)	100	0	0	0	0.19	8	0.18	0.01
	Shree Cement TPS (2*150)	300	0	300	296	7.10	296	7.15	-0.05
	Budhi HPS(IPP) (2*35)	70	0	35	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	964	296	11.24	468	11.95	-0.72
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>18276</b>	<b>18826</b>	<b>10559</b>	<b>297.43</b>	<b>12393</b>	<b>297.05</b>	<b>0.37</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	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	1370	703	24.32	1013	
	Talwandi Saboo (2*660)	1320	341	333	8.59	358	
	<b>Thermal (Total)</b>	<b>5360</b>	<b>1921</b>	<b>1196</b>	<b>36.58</b>	<b>1524</b>	
	Total Hydro	1000	417	293	8.17	340	
	<b>Total Punjab</b>	<b>6360</b>	<b>2338</b>	<b>1489</b>	<b>44.74</b>	<b>1864</b>	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	219	219	5.29	220
DCRTPP (Yamuna nagar) (2*300)		600	553	460	12.07	503	
Faridabad GPS (NTPC)		432	156	161	4.21	175	
RGTPP (Khedar) (IPP) (2*600)		1200	393	394	10.65	444	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	544	368	11.37	474	
<b>Thermal (Total)</b>		<b>4944</b>	<b>1865</b>	<b>1602</b>	<b>43.58</b>	<b>1816</b>	
Total Hydro		62	2	18	0.29	12	
<b>Total Haryana</b>		<b>5006</b>	<b>1867</b>	<b>1620</b>	<b>43.88</b>	<b>1828</b>	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1047	1129	26.82	1118
	suratgarh TPS (6*250)	1500	771	893	20.29	845	
	Chabra TPS (4*250)	1000	633	658	15.70	654	
	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	83	84	2.07	86	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingsar (NLC) (2*125)	250	90	90	2.04	85	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	791	845	19.27	803	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	486	574	12.58	524	
	Kawai(Adani) (2*660)	1320	1105	1179	27.95	1165	
	<b>Thermal (Total)</b>	<b>8876</b>	<b>5006</b>	<b>5452</b>	<b>127</b>	<b>5280</b>	
	Total Hydro	550	128	133	4.11	171	
	Wind power	3214	59	49	3.02	126	
	Biomass	99	22	22	0.53	22	
	Solar	730	11	0	0.59	25	
	Renewable/Others (Total)	4043	92	71	4.15	173	
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5226</b>	<b>5656</b>	<b>134.97</b>	<b>5624</b>	
	UP	Anpara TPS (3*210+2*500)	1630	1284	1226	29.64	1235
		Obra TPS (2*50+2*94+5*200)	1194	266	330	7.00	292
		Paricha TPS (2*110+2*220+2*250)	1140	803	760	12.05	502
		Panki TPS (2*105)	210	0	0	0.00	0
		Harduaaganj TPS (1*60+1*105+2*250)	665	308	304	6.85	285
		Tanda TPS (NTPC) (4*110)	440	295	294	6.99	291
Roza TPS (IPP) (4*300)		1200	824	828	18.51	771	
Anpara-C (IPP) (2*600)		1200	535	531	12.76	532	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	81	0	0.56	23	
Anpara-D(1*500)		500	800	56	0.11	5	
Lalitpur TPS(2*660)		1320	0	0	0.00	0	
Bara(2*660)		1320	0	0	12.05	502	
<b>Thermal (Total)</b>		<b>11269</b>	<b>5194</b>	<b>4329</b>	<b>107</b>	<b>4438</b>	
Vishnuparyag HPS (IPP)(4*110)		440	0	0	0.00	0	
Alakanada(4*82.5)		330	83	82	1.06	44	
Other Hydro		527	193	224	3.33	139	
Cogeneration		981	800	800	19.20	800	
<b>Total UP</b>		<b>13547</b>	<b>6270</b>	<b>5435</b>	<b>130</b>	<b>5421</b>	
Uttarakhand	Total Hydro	1398	576	245	9.80	408	
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>576</b>	<b>245</b>	<b>9.80</b>	<b>408</b>	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	35	34	0.90	38	
	Praagati Gas Turbine (2x104+ 1x122)	330	141	140	3.50	146	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	249	250	6.01	250	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	5.20	217	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>590</b>	<b>589</b>	<b>15.59</b>	<b>650</b>	
	<b>Total Delhi</b>	<b>2917</b>	<b>590</b>	<b>589</b>	<b>15.59</b>	<b>650</b>	
HP	Baspa HPS (IPP) (3*100)	300	30	0	0.64	27	
	Malana HPS (IPP) (2*43)	86	0	0	0.28	11	
	Other Hydro	878	147	82	2.96	123	
	<b>Total HP</b>	<b>1264</b>	<b>177</b>	<b>82</b>	<b>3.87</b>	<b>161</b>	
J & K	Baglihar HPS (IPP) (3*150)	450	143	143	3.43	143	
	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>281</b>	<b>266</b>	<b>6.19</b>	<b>258</b>	
<b>Total State Control Area Generation</b>		<b>45161</b>	<b>17325</b>	<b>15382</b>	<b>389.15</b>	<b>16215</b>	
<b>J. Net Inter Regional Exchange</b> (Import (+ve)/Export (-ve))			<b>5816</b>	<b>6542</b>	<b>168.20</b>	<b>7008</b>	
<b>Total Regional Availability(Gross)</b>		<b>70398</b>	<b>41967</b>	<b>32483</b>	<b>854.77</b>	<b>35615</b>	

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	8617	1241	74.30	3096
State Control Area Hydro	6581	1857	1343	37	1534
<b>Total Regional Hydro</b>	<b>18815</b>	<b>10474</b>	<b>2584</b>	<b>111.12</b>	<b>4630</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	-200	150	200	0.20	3.50	-3.30	
765 KV Gwalior-Agra (D/C)	2376	2616	3375	0	67.45	0.00	67.45		
400 KV Zerdia-Kankroli	-68	-85	41	166	0.00	1.49	-1.49		
400 KV Zerdia-Bhimnal	17	9	151	101	0.85	0.00	0.85		
220 KV Auraiya-Malanpur	-219	-90	0	265	0.00	3.09	-3.09		
220 KV Badod-Kota/Morak	-9	5	29	27	0.11	0.00	0.11		
Mundra-Mohindergarh(HVDC Bipole)	1902	2203	2504	0	50.92	0.00	50.92		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Phagi-Gwalior (D/C)	1102	894	1285	0	26.89	0.00	26.89		
<b>Sub Total WR</b>	<b>5151</b>	<b>5352</b>			<b>146.42</b>	<b>8.08</b>	<b>138.34</b>		
Pusauli Bypass/HVDC	400	400	400	0	8.63	0.00	8.63		
400 KV MZP- GKP (D/C)	-536	-320	0	566	0.00	9.14	-9.14		
400 KV Patna-Balia(D/C) X 2	518	559	751	0	14.78	0.00	14.78		
400 KV B'Sharif-Balia (D/C)	-203	-124	0	203	0.00	2.57	-2.57		
765 KV Gaya-Balia	98	158	224	0	2.11	0.00	2.11		
765 KV Gaya-Fatehpur	95	94	340	0	4.48	0.00	4.48		
220 KV Pusauli-Sahupuri	0	150	198	0	2.32	0.00	2.32		
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00		
132 KV Son Ngr-Rihand	-30	-26	0	30	0.00	0.60	-0.60		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-187	-185	54	196	0.00	2.19	-2.19		
400 KV Barh -GKP (D/C)	510	484	586	0	12.05	0.00	12.05		
<b>Sub Total ER</b>	<b>665</b>	<b>1190</b>			<b>44.36</b>	<b>14.51</b>	<b>29.85</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>5816</b>	<b>6542</b>			<b>190.78</b>	<b>22.58</b>	<b>168.20</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
31.59	0.28	31.87	2.95	-2.66	0.03	25.53	0.00	0.00
<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
34.85	137.19	172.03	29.85	138.34	168.20	-4.99	1.16	-3.84

**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	-29	-30	0	31	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	1.92	15.29	63.85	70.41	9.93	4.14	0.28	0.00

<----- Frequency (Hz) ----->				Average Frequency	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	Index				
50.30	18.03	49.71	22.07	49.97	0.064	0.076	50.17	49.84	29.59

**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	404	01:54	398	15:40	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	05:04	398	10:23	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	02:02	396	16:53	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	02:16	399	10:16	0.0	0.0	0.0	0.0	0.0
Dadrn	400	420	02:02	400	16:41	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	426	02:00	404	10:20	0.0	0.0	25.8	0.0	25.8
Bawana	400	426	21:39	401	16:57	0.0	0.0	18.8	0.0	18.8
Bassi	400	425	21:39	395	10:16	0.0	0.0	3.0	0.0	3.0
Hissar	400	422	21:40	394	10:21	0.0	0.0	0.7	0.0	0.7
Moga	400	423	21:40	399	10:24	0.0	0.0	1.0	0.0	1.0
Abdullapur	400	422	21:40	401	16:40	0.0	0.0	0.9	0.0	0.9
Nalagarh	400	433	21:38	408	10:20	0.0	0.0	39.4	1.6	39.4
Kishenpur	400	418	02:00	395	19:33	0.0	0.0	0.0	0.0	0.0
Wagoora	400	403	13:01	371	19:32	24.5	62.3	0.0	0.0	24.5
Amritsar	400	430	21:40	406	10:20	0.0	0.0	31.0	0.0	31.0
Kashipur	400	421	01:59	411	10:16	0.0	0.0	0.7	0.0	0.7
Hamirpur	400	426	21:39	402	11:35	0.0	0.0	4.7	0.0	4.7
Rishkesh	400	417	02:01	390	16:54	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	769	02:03	733	10:20	0.0	6.6	0.0	0.0	0.0
Balia	765	763	02:03	734	10:20	0.0	3.4	0.0	0.0	0.0
Moga	765	805	21:40	759	16:40	0.0	0.0	1.0	0.0	1.0
Agra	765	787	21:40	747	10:19	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	21:39	760	16:39	0.0	0.0	0.8	0.0	0.8
Unnao	765	766	02:00	736	10:20	0.0	7.9	0.0	0.0	0.0
Lucknow	765	782	02:01	749	10:20	0.0	0.0	0.0	0.0	0.0
Meerut	765	812	21:40	760	16:55	0.0	0.0	7.3	0.0	7.3
Jhatikara	765					0.0	0.0	3.0	0.0	3.0
Bareilly 765 kV	765	787	02:02	746	16:55	0.0	0.0	0.0	0.0	0.0
Anta	765	782	21:36	756	10:09	0.0	0.0	0.0	0.0	0.0
Phagi	765	788	21:30	752	10:08	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	488.88	700.02	483.25	536.06	147.50	502.43
Pong	426.72	384.05	399.48	209.93	399.26	203.01	34.46	362.57
Tehri	829.79	740.04	774.60	258.45	785.60	392.00	78.31	223.00
Koteshwar	612.50	598.50	611.04	4.95	610.59	4.69	223.00	208.66
Chamera-I	760.00	748.75	756.86	0.00	0.00	0.00	63.68	86.55
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1138.40	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	496.13	0.97	501.06	2.98	84.77	34.00

\* 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	-96	316	0	-617	314	0	-3.71	7.55	3.84
Delhi	-1096	-364	0	-631	139	0	-18.30	-1.32	-19.62
Haryana	-338	195	0	-363	287	0	-9.41	6.66	-2.75
HP	225	79	0	351	-136	0	10.60	-1.47	9.13
J&K	724	-102	0	619	0	0	15.45	-1.31	14.13
CHD	-30	0	0	0	-20	0	-0.24	-0.19	-0.43
Rajasthan	-7	710	3	-7	653	3	8.48	16.12	24.60
UP	130	0	0	64	0	0	-6.82	0.00	-6.82
Uttarakhand	193	97	0	193	220	0	4.74	4.40	9.14
<b>Total</b>	<b>-296</b>	<b>933</b>	<b>3</b>	<b>-391</b>	<b>1455</b>	<b>3</b>	<b>0.80</b>	<b>30.43</b>	<b>31.23</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-68	-617	347	237	0	0
Delhi	-505	-1125	255	-369	0	0
Haryana	-338	-567	315	-32	0	0
HP	716	225	79	-652	0	0
J&K	724	589	0	-152	0	0
CHD	0	-30	0	-46	0	0
Rajasthan	843	-7	1371	437	3	3
UP	161	-753	0	0	0	0
Uttarakhand	221	193	394	62	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	1.74%

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

Rihand - Dadri	0.00%
----------------	-------

**XII. System Constraints:**

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

**XIV. Weather Conditions For 25.02.2016 :**

Normal

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

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

1) LIL0 of 400 kV Meerut- Kaithal-1 at Bagpat. 400 kV Meerut-Bagpat-I & 400kV Kaithal-Bagpat charged for first time at 10:49 & 11:46 hrs. respectively.

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

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