

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिस्ट की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO1188682

Power Supply Position in Northern Region for 01.03.2016  
Date of Reporting : 02.03.2016



### 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
38377	1534	39911	50.00	31645	1301	32945	50.11	867.2	40.09

\* 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 *
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	41.67	8.74		50.40	59.59	60.34	0.76	110.74	0.00
Haryana	43.69	0.29		43.98	83.97	83.65	-0.32	127.63	0.00
Rajasthan	135.39	4.24	10.92	150.55	61.58	64.32	2.74	214.86	0.00
Delhi	12.68			12.68	46.09	46.57	0.48	59.24	0.01
UP	131.30	3.80		135.10	115.42	114.07	-1.35	249.17	30.01
Uttarakhand		8.24		8.24	23.78	26.23	2.45	34.47	0.00
HP		3.90		3.90	21.14	20.98	-0.17	24.88	0.00
J & K		6.95	0.00	6.95	35.33	35.87	0.54	42.82	10.07
Chandigarh				0.00	3.51	3.42	0.27	3.42	0.00
Total	364.71	36.16	10.92	411.79	450.41	455.45	5.39	867.24	40.09

\* 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				UI [OD: (+ve), UD: (-ve)]	
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	# Max(hourly) Demand Met of Day (MW)	Shortages *
Punjab	5228	0	-89	-1228	3413	0	60	263		5340
Haryana	5864	0	-288	74	3806	0	3	17		6058
Rajasthan	8223	0	-57	447	8662	0	404	594		10021
Delhi	2860	0	-344	-564	1630	0	10	-1072		3192
UP	11092	990	370	667	10373	1005	103	130		11990
Uttarakhand	1744	0	125	518	1214	0	185	246		1744
HP	1066	14	-120	276	779	0	70	234		1368
J&K	2118	530	124	685	1675	296	-24	486		2118
Chandigarh	182	0	-3	-15	93	0	-7	0		186
Total	38377	1534	-282	859	31645	1301	804	897		40253

\* STOA figures are at sellers boundary & PX figures are at regional boundary.

# figures may not be at simultaneous hour.

Diversity is 1.04

### III. Regional Entities :

	Station/ Constituent	Inst. Capacity		Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy		Average Sentout(MW)	Schedule Net MU	UI	
		(Effective) MW					(Net MU)				Net MU	Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1890		2052	1968	44.98	1874	44.84		0.13	
	Rihand I STPS (2*500)	1000	851		890	689	18.39	766	18.30		0.09	
	Rihand II STPS (2*500)	1000	958		987	758	20.92	872	20.95		-0.03	
	Rihand III STPS (2*500)	1000	968		949	956	21.74	906	21.79		-0.04	
	Dadri I STPS (4*210)	840	815		410	423	9.64	402	10.31		-0.66	
	Dadri II STPS (2*490)	980	980		665	678	16.43	685	17.44		-1.01	
	Unchahar I TPS (2*210)	420	406		419	331	8.67	361	8.86		-0.19	
	Unchahar II TPS (2*210)	420	404		385	310	8.28	345	8.43		-0.15	
	Unchahar III TPS (1*220)	210	202		182	153	4.13	172	4.22		-0.09	
	ISTPP (Jhajhar) (3*500)	1500	950		620	626	13.96	582	14.14		-0.18	
	Dadri GPS (4*130.19+2*154.51)	830	800		481	478	11.77	490	12.28		-0.51	
	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		305	297	7.01	292	7.16		-0.15	
	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	2		0	0	0.06	3	0.05		0.01	
	KHEP	800	655		651	0	2.38	99	2.30		0.08	
	<b>Sub Total (A)</b>	<b>12112</b>	<b>10792</b>		<b>8996</b>	<b>7667</b>	<b>188</b>	<b>7850</b>	<b>191</b>		<b>-3</b>	
B. NPC	NAPS (2*220)	440	408		444	453	9.80	408	9.79		0.01	
	RAPS- B (2*220)	440	384		420	427	9.12	380	9.22		-0.09	
	RAPS- C (2*220)	440	425		447	451	9.76	407	10.20		-0.44	
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1217</b>		<b>1311</b>	<b>1331</b>	<b>28.68</b>	<b>1195</b>	<b>29.21</b>		<b>-0.53</b>	
	Chamera I HPS (3*180)	540	360		372	0	2.81	117	2.60		0.21	
C. NHPC	Chamera II HPS (3*100)	300	300		306	0	1.38	57	1.27		0.11	
	Chamera III HPS (3*77)	231	192		211	0	0.69	29	0.64		0.05	
	Bairasuli HPS(3*60)	180	182		183	0	0.74	31	0.72		0.02	
	Salal-HPS (6*115)	690	109		306	115	3.09	129	2.64		0.46	
	Tanakpur-HPS (3*40)	94	15		18	13	0.41	17	0.35		0.05	
	Uri-I HPS (4*120)	480	308		350	344	7.90	329	7.39		0.51	
	Uri-II HPS (4*60)	240	175		177	177	4.21	175	4.20		0.01	
	Dhauliganga-HPS (4*70)	280	210		210	0	0.81	34	0.73		0.08	
	Dulhasti-HPS (3*130)	390	387		365	0	2.74	114	2.60		0.13	
	Sewa-II HPS (3*40)	120	119		126	0	0.52	22	0.50		0.02	
	Parbati 3 (4*130)	520	130		132	0	0.41	17	0.39		0.02	
	<b>Sub Total (C)</b>	<b>4065</b>	<b>2487</b>		<b>2756</b>	<b>649</b>	<b>26</b>	<b>1071</b>	<b>24</b>		<b>2</b>	
D.SJVNL	NJPC (6*250)	1500	1605		1272	0	6.33	264	6.26		0.07	
	Rampur HEP (6*68.67)	412	375		352	0	1.71	71	1.66		0.05	
	<b>Sub Total (D)</b>	<b>1912</b>	<b>1980</b>		<b>1624</b>	<b>0</b>	<b>8.04</b>	<b>335</b>	<b>7.92</b>		<b>0.11</b>	
E. THDC	Tehri HPS (4*250)	1000	732		731	0	6.95	290	6.90		0.05	
	Koteshwar HPS (4*100)	400	130		398	91	3.17	132	3.13		0.04	
	<b>Sub Total (E)</b>	<b>1400</b>	<b>862</b>		<b>1129</b>	<b>91</b>	<b>10.13</b>	<b>422</b>	<b>10.03</b>		<b>0.10</b>	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	844		1284	506	20.23	843	20.25		-0.03	
	Dehar HPS (6*165)	990	132		495	0	3.08	128	3.16		-0.08	
	Pong HPS (6*66)	396	196		285	58	4.48	187	4.72		-0.23	
	<b>Sub Total (F)</b>	<b>2765</b>	<b>1172</b>		<b>2064</b>	<b>564</b>	<b>27.78</b>	<b>1158</b>	<b>28.13</b>		<b>-0.35</b>	
	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0		0	0	0.42	18	0.41		0.02	
G. IPP(s)/JV(s)	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0		630	0	3.38	141	3.60		-0.22	
	Malana Stg-II HPS (2*50)	100	0		0	0	0.20	9	0.19		0.01	
	Shree Cement TPS (2*150)	300	0		293	296	7.06	294	7.11		-0.06	
	Budhi HPS(IPP) (2*35)	70	0		0	0	0.14	6	0.14		0.00	
	Sub Total (G )	1662	0		923	296	11.21	467	11.45		-0.25	
	<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>18511</b>		<b>18803</b>	<b>10598</b>	<b>299.94</b>	<b>12497</b>	<b>301.87</b>		<b>-1.93</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	4.13	172
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.09	-4
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1320	660	27.17	1132
	Talwandi Saboo (2*660)	1320	614	308	10.48	437
	Thermal (Total)	5360	2144	1128	41.67	1736
	Total Hydro	1000	339	272	8.74	364
	Total Punjab	6360	2483	1400	50.40	2100
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	219	218	5.29	220
	DCRTPP (Yamuna nagar) (2*300)	600	546	457	12.12	505
	Faridabad GPS (NTPC)	432	194	152	4.39	183
	RGTPP (khedar) (IPP) (2*600)	1200	399	594	11.64	485
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	372	372	10.25	427
	Thermal (Total)	4944	1730	1793	43.69	1820
	Total Hydro	62	10	11	0.29	12
	Total Haryana	5006	1740	1804	43.98	1832
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1029	1031	25.82	1076
	suratgarh TPS (6*250)	1500	760	769	19.17	799
	Chabra TPS (4*250)	1000	566	579	13.39	558
	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	81	83	2.02	84
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	185	185	4.29	179
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	798	746	21.37	890
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	937	849	24.17	1007
	Kawai(Adani) (2*660)	1320	955	867	25.15	1048
	Thermal (Total)	8876	5311	5109	135	5641
	Total Hydro	550	173	127	4.24	177
	Wind power	3214	170	727	7.71	321
	Biomass	99	20	20	0.49	20
	Solar	730	0	0	2.73	114
	Renewable/Others (Total)	4043	190	747	10.92	455
	Total Rajasthan	13469	5674	5983	150.55	6273
UP	Anpara TPS (3*210+2*500)	1630	1075	1070	25.80	1075
	Obra TPS (2*50+2*94+5*200)	1194	420	420	10.10	421
	Paricha TPS (2*110+2*220+2*250)	1140	698	768	17.80	742
	Panki TPS (2*105)	210	0	0	0.50	21
	Harduaganj TPS (1*60+1*105+2*250)	665	304	84	6.50	271
	Tanda TPS (NTPC) (4*110)	440	272	204	6.60	275
	Roza TPS (IPP) (4*300)	1200	815	828	19.50	813
	Anpara-C (IPP) (2*600)	1200	542	527	12.80	533
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(1*500)	500	121	140	0.30	13
	Lalitpur TPS(2*660)	1320	0	0	0.00	0
	Bara(2*660)	1320	443	498	12.20	508
	Thermal (Total)	11269	4690	4539	112	4671
	Vishnuparyag HPS (IPP)(4*110)	440	0	0	0.00	0
	Alaknanda(4*82.5)	330	83	0	0.90	38
	Other Hydro	527	175	225	2.90	121
	Cogeneration	981	800	800	19.20	800
	Total UP	13547	5748	5564	135	5629
Uttarakhand	Total Hydro	1398	419	248	8.24	343
	Total Uttarakhand	1398	419	248	8.24	343
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	36	39	0.85	36
	Pragati Gas Turbine (2x104+ 1x122)	330	140	143	3.42	143
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	250	4.92	205
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.50	146
	Thermal (Total)	2917	592	597	12.68	528
	Total Delhi	2917	592	597	12.68	528
HP	Baspa HPS (IPP) (3*100)	300	30	40	0.88	37
	Malana HPS (IPP) (2*43)	86	0	0	0.22	9
	Other Hydro	878	146	80	2.80	117
	Total HP	1264	176	120	3.90	162
J & K	Baglihar HPS (IPP) (3*150)	450	272	142	4.19	175
	Other Hydro/IPP	560	138	123	2.76	115
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	410	265	6.95	290
Total State Control Area Generation		45161	17242	15981	411.79	17158
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			6386	6867	166.09	6921
Total Regional Availability(Gross)		70398	42431	33446	877.82	36576

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8854	1304	78.03	3251
State Control Area Hydro	6581	1785	1268	36	1507
Total Regional Hydro	18815	10639	2572	114.18	4758

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	
Vindhychal(HVDC B/B)	50	-250	50	250	0.03	7.97	-7.94
765 KV Gwalior-Agra (D/C)	2502	2809	3368	0	71.02	0.00	71.02
400 KV Zerda-Kankroli	-135	-216	0	267	0.00	3.41	-3.41
400 KV Zerda-Bhinmal	51	-139	108	230	0.00	1.21	-1.21
220 KV Auraiya-Malanpur	-112	-91	0	161	0.00	2.31	-2.31
220 KV Badod-Kota/Morak	-55	-21	18	55	0.00	0.29	-0.29
Mundra-Mohindergarh(HVDC Bipole)	2502	2503	2507	0	59.32	0.00	59.32
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	874	904	1170	0	23.10	0.00	23.10
Sub Total WR	5677	5499			153.47	15.19	138.28
Pusauli Bypass/HVDC	400	400	400	0	8.97	0.00	8.97
400 KV MZP- GKP (D/C)	-427	-246	0	580	0.00	8.62	-8.62
400 KV Patna-Ballia(D/C) X 2	497	625	643	0	14.96	0.00	14.96
400 KV B'Sharif-Ballia (D/C)	-189	-60	0	202	0.00	2.33	-2.33
765 KV Gaya-Ballia	79	152	199	0	1.88	0.00	1.88
765 KV Gaya-Fatehpur	72	97	260	0	3.70	0.00	3.70
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Knasa-Sahupuri	0	0	1	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-24	-24	0	30	0.00	0.62	-0.62
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-173	-112	47	178	0.00	1.79	-1.79
400 KV Barh -GKP (D/C)	474	536	548	0	11.66	0.00	11.66
Sub Total ER	709	1368			41.16	13.35	27.81
+/- 800 KV BiswanathCharialli-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total NER	0	0			0.00	0.00	0.00
Total IR Exch	6386	6867			194.63	28.54	166.09

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
29.58	0.07	29.65	0.08	-8.15	0.03	28.46	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
29.76	142.97	172.72	27.81	138.28	166.09	-1.95	-4.68	-6.63

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 - Mahendarnagar	-28	-27	0	32	0	1	-0.70

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	0.22	6.16	49.16	72.69	14.84	6.17	0.19	0.00

<div>←----- Frequency (Hz) -----&gt;</div>				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.23	18.00	49.78	17.53	50.00	0.043	0.066	50.17	49.97	27.31

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	406	18:20	400	23:10	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	414	16:06	400	12:15	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	00:58	398	12:18	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	00:57	400	12:11	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	01:55	401	11:32	0.0	0.0	0.0	0.0	0.0
Ballabhgarrh	400	428	01:33	404	11:35	0.0	0.0	28.9	0.0	28.9
Bawana	400	428	00:58	398	12:11	0.0	0.0	23.8	0.0	23.8
Bassi	400	423	21:41	393	12:11	0.0	0.0	2.2	0.0	2.2
Hissar	400	420	21:49	391	11:35	0.0	0.0	0.0	0.0	0.0
Moga	400	422	04:02	395	12:10	0.0	0.0	1.5	0.0	1.5
Abdullapur	400	424	01:10	401	10:55	0.0	0.10	9.7	0.0	9.7
Nalagarh	400	432	20:35	404	11:33	0.0	0.0	37.9	1.4	37.9
Kisherpur	400	425	04:00	400	19:02	0.0	0.0	17.5	0.0	17.5
Wagoora	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Amritsar	400	428	00:58	402	11:36	0.0	0.0	27.8	0.0	27.8
Kashipur	400	421	00:57	411	18:51	0.0	0.0	3.0	0.0	3.0
Hamirpur	400	425	00:59	398	12:18	0.0	0.0	25.9	0.0	25.9
Rishikesh	400	416	00:58	387	19:11	0.0	2.8	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	770	00:59	737	12:10	0.0	3.5	0.0	0.0	0.0
Ballia	765	762	00:58	737	19:19	0.0	7.2	0.0	0.0	0.0
Moga	765	804	00:59	752	12:11	0.0	0.0	7.8	0.0	7.8
Agra	765	789	01:57	746	12:19	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	802	00:58	2	21:54	1.0	1.0	9.1	0.0	10.1
Unnao	765	765	00:58	737	12:10	0.0	7.9	0.0	0.0	0.0
Lucknow	765	781	00:58	751	12:11	0.0	0.0	0.0	0.0	0.0
Meerut	765	814	01:57	756	12:10	0.0	0.0	19.4	0.0	19.4
Jhatikara	765					0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	787	00:59	750	12:10	0.0	0.0	0.0	0.0	0.0
Anita	765	779	18:02	755	12:10	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	18:15	746	12:11	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 (m³/s)	Usage (m³/s)
Bhakra	513.59	445.62	487.25	652.97	481.85	503.43	184.00	692.91
Pong	426.72	384.05	398.44	185.67	399.59	209.93	36.70	329.83
Tehri	829.79	740.04	771.60	229.79	784.25	371.99	36.33	212.00
Koteshwar	612.50	598.50	611.15	5.15	609.04	4.69	212.00	209.07
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	62.34	75.54
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	496.03	1.09	502.38	2.71	68.27	53.12

\* 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	309	0	-918	-309	0	-4.11	6.27	2.15
Delhi	-739	-334	0	-658	94	0	-16.28	-0.04	-16.32
Haryana	-183	200	0	-208	283	0	-5.69	6.40	0.71
HP	30	204	0	376	-100	0	8.07	0.19	8.26
J&K	486	0	0	548	137	0	11.26	0.24	11.50
CHD	0	0	0	0	-15	0	0.00	-0.10	-0.10
Rajasthan	-7	598	3	-7	452	3	0.60	12.85	13.45
UP	130	0	0	-12	679	0	-5.41	2.52	-2.89
Uttarakhand	193	53	0	193	325	0	4.75	4.86	9.61
Total	-136	1030	3	-687	1544	3	-6.81	33.20	26.39

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-45	-918	345	-509	0	0
Delhi	-650	-739	474	-334	0	0
Haryana	-183	-411	310	-5	0	0
HP	541	30	204	-569	0	0
J&K	548	446	147	-11	0	0
CHD	0	0	0	-46	0	0
Rajasthan	186	-7	781	-194	3	2
UP	159	-581	679	0	0	0
Uttarakhand	222	193	434	53	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	1.39%
ER	0.00%
Simultaneous	4.51%

(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 01.03.2016 :

Normal

XV. Synchronisation of new generating units :

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

- 1) 400 kV Varanasi-Allahabad first time charged at 16.48 Hrs.  
2) 400 kV Varanasi-Sarnath first time charged at 18.26 Hrs.

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :