

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सख्यक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 26.02.2016
Date of Reporting : 27.02.2016



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
38180	942	39123	50.09	30755	1405	32159	50.12	856.1	47.93

* 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	42.36	8.71		51.07	52.31	53.65	1.35	104.73	0.00
Haryana	44.19	0.26		44.45	83.30	83.22	-0.08	127.67	0.00
Rajasthan	124.76	4.61	13.39	142.75	68.39	69.91	1.53	212.66	0.00
Delhi	13.86			13.86	45.32	46.00	0.68	59.87	0.05
UP	136.49	3.33		139.82	104.62	106.26	1.64	246.09	35.75
Uttarakhand		9.87		9.87	21.35	23.59	2.24	33.45	2.03
HP		4.00		4.00	20.15	21.13	0.97	25.12	0.00
J & K		6.19	0.00	6.19	36.68	36.86	0.18	43.05	10.11
Chandigarh				0.00	3.34	3.44	0.27	3.44	0.00
Total	361.66	36.97	13.39	412.02	435.45	444.06	8.78	856.08	47.93

* 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	4979	0	-267	-1305	3364	0	209	27	5287
Haryana	6037	0	-320	-71	3861	0	-124	-117	6257
Rajasthan	8240	0	-290	597	8556	0	171	641	10007
Delhi	2903	0	-134	-621	1529	0	10	-1454	3395
UP	11042	460	282	115	9718	1105	38	130	12076
Uttarakhand	1786	0	157	517	1145	0	70	343	1813
HP	1080	0	-38	205	791	0	86	253	1393
J&K	1929	482	-63	609	1699	300	-39	622	2008
Chandigarh	184	0	-9	-15	92	0	3	-30	190
Total	38180	942	-682	30	30755	1405	424	415	41195

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

Diversity is: 1.03

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	1890	2029	2033	44.83	1868	44.71	0.12
	Rihand I STPS (2*500)	1000	835	693	765	17.98	749	17.79	0.19
	Rihand II STPS (2*500)	1000	958	863	890	21.24	885	21.02	0.22
	Rihand III STPS (2*500)	1000	968	872	996	21.44	893	21.55	-0.11
	Dadri I STPS (4*210)	840	815	495	462	11.26	469	11.70	-0.43
	Dadri II STPS (2*490)	980	980	755	724	18.05	752	18.84	-0.79
	Unchahar I TPS (2*210)	420	406	372	318	8.61	359	8.77	-0.16
	Unchahar II TPS (2*210)	420	404	314	329	8.37	349	8.33	0.04
	Unchahar III TPS (1*220)	210	202	155	152	4.15	173	4.22	-0.07
	ISTPP (Jhajhar) (3*500)	1500	950	617	617	15.23	635	15.40	-0.17
	Dadri GPS (4*130.19+2*154.51)	830	809	579	445	11.69	487	12.80	-1.10
	Anta GPS (3*88.71+1*153.2)	419	415	0	0	0.00	0	0.15	-0.15
	Auraiya GPS (4*111.19+2*109.30)	663	494	292	281	6.83	284	7.04	-0.22
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	1	0	0	0.03	1	0.02	0.00
	Singrauli Solar	15	1	0	0	0.00	0	0.02	-0.02
	KHEP	800	655	437	0	2.36	98	2.30	0.06
Sub Total (A)	12112	10784	8473	8012	192	8004	195	-3	
B. NPC	NAPS (2*220)	440	410	443	448	9.77	407	9.84	-0.07
	RAPS- B (2*220)	440	385	422	429	9.18	383	9.24	-0.06
	RAPS- C (2*220)	440	425	452	455	9.80	408	10.20	-0.40
	Sub Total (B)	1320	1220	1317	1332	28.75	1198	29.28	-0.53
C. NHPC	Chamera I HPS (3*180)	540	360	369	0	3.38	141	3.10	0.28
	Chamera II HPS (3*100)	300	300	310	0	1.20	50	1.05	0.15
	Chamera III HPS (3*77)	231	190	195	0	0.63	26	0.57	0.06
	Bairasuli HPS(3*60)	180	182	184	0	0.88	37	0.80	0.08
	Salal-HPS (6*115)	690	112	343	147	3.20	133	2.70	0.50
	Tanakpur-HPS (3*40)	94	15	12	14	0.42	17	0.36	0.05
	Uri-I HPS (4*120)	480	338	353	348	8.48	353	8.08	0.40
	Uri-II HPS (4*60)	240	173	178	177	4.16	173	4.16	0.00
	Dhauliganga-HPS (4*70)	280	210	217	0	0.71	30	0.63	0.08
	Dulhasi-HPS (3*130)	390	387	399	0	2.92	122	2.69	0.23
	Sewa-II HPS (3*40)	120	119	127	0	0.04	2	0.37	-0.33
	Parbati 3 (4*130)	520	130	131	0	0.40	17	0.39	0.01
Sub Total (C)	4065	2515	2819	685	26	1100	25	2	
D.SJVNL	NJPC (6*250)	1500	1605	1614	0	6.66	277	6.64	0.01
	Rampur HEP (6*68.67)	412	375	297	0	1.77	74	1.78	-0.01
	Sub Total (D)	1912	1980	1911	0	8.42	351	8.42	0.01
E. THDC	Tehri HPS (4*250)	1000	748	747	0	7.37	307	7.40	-0.03
	Koteshwar HPS (4*100)	400	130	399	90	3.19	133	3.13	0.06
	Sub Total (E)	1400	878	1146	90	10.55	440	10.53	0.02
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	677	1209	388	16.17	674	16.25	-0.08
	Dehar HPS (6*165)	990	133	495	0	3.30	137	3.20	0.10
	Pong HPS (6*66)	396	197	295	59	4.58	191	4.72	-0.14
	Sub Total (F)	2765	1007	1999	447	24.05	1002	24.17	-0.12
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	96	0	0.41	17	0.39	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.38	141	3.72	-0.34
	Malana Stg-II HPS (2*50)	100	0	0	0	0.19	8	0.18	0.01
	Shree Cement TPS (2*150)	300	0	296	297	7.08	295	7.14	-0.06
	Budhi HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	1022	297	11.20	467	11.58	-0.38
H. Total Regional Entities (A-G)	25237	18385	18687	10864	301.47	12561	303.55	-2.08	

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	4.17	174
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.03	-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	1363	705	27.04	1127
	Talwandi Saboo (2*660)	1320	430	350	11.25	469
	Thermal (Total)	5360	2003	1215	42.36	1765
	Total Hydro	1000	422	259	8.71	363
	Total Punjab	6360	2425	1474	51.07	2128
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	233	219	5.32
DCRTPP (Yamuna nagar) (2*300)		600	550	457	12.11	505
Faridabad GPS (NTPC)		432	190	145	4.23	176
RGTPP (kheadar) (IPP) (2*600)		1200	560	383	11.01	459
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	592	367	11.52	480
Thermal (Total)		4944	2125	1571	44.19	1841
Total Hydro		62	9	9	0.26	11
Total Haryana		5006	2134	1580	44.45	1852
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1017	1006	26.11
	suratgarh TPS (6*250)	1500	755	765	19.56	815
	Chabra TPS (4*250)	1000	569	598	14.61	609
	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	83	2.10	87
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	89	90	2.10	87
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	789	826	19.44	810
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	698	500	14.20	592
	Kawai(Adani) (2*660)	1320	1016	1179	26.64	1110
	Thermal (Total)	8876	5016	5047	125	5198
	Total Hydro	550	127	152	4.61	192
	Wind power	3214	208	527	9.57	399
	Biomass	99	22	22	0.54	22
	Solar	730	0	0	3.28	137
	Renewable/Others (Total)	4043	230	549	13.39	558
	Total Rajasthan	13469	5373	5748	142.75	5948
	UP	Anpara TPS (3*210+2*500)	1630	1242	1200	29.76
Obra TPS (2*50+2*94+5*200)		1194	276	279	6.59	275
Paricha TPS (2*110+2*220+2*250)		1140	800	797	19.14	798
Panki TPS (2*105)		210	0	0	0.00	0
Harduaaganj TPS (1*60+1*105+2*250)		665	308	305	7.35	306
Tanda TPS (NTPC) (4*110)		440	292	280	6.95	290
Roza TPS (IPP) (4*300)		1200	810	567	18.61	775
Anpara-C (IPP) (2*600)		1200	531	540	12.77	532
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	81	81	1.94	81
Anpara-D(1*500)		500	140	47	0.19	8
Lalitpur TPS(2*660)		1320	537	0	0.00	0
Bara(2*660)		1320	537	540	13.99	583
Thermal (Total)		11269	5015	4636	117	4887
Vishnuparyag HPS (IPP)(4*110)		440	0	0	0.00	0
Alakanada(4*82.5)		330	82	0	0.93	39
Other Hydro		527	237	16	2.40	100
Cogeneration		981	800	800	19.20	800
Total UP		13547	6134	5452	140	5826
Uttarakhand	Total Hydro	1398	592	250	9.87	411
	Total Uttarakhand	1398	592	250	9.87	411
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	39	39	0.91	38
	Praagati Gas Turbine (2x104+ 1x122)	330	144	145	3.49	145
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	253	6.03	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	161	159	3.45	144
	Thermal (Total)	2917	595	596	13.86	578
	Total Delhi	2917	595	596	13.86	578
HP	Baspa HPS (IPP) (3*100)	300	30	30	0.83	34
	Malana HPS (IPP) (2*43)	86	45	0	0.23	9
	Other Hydro	878	146	84	2.94	123
	Total HP	1264	221	114	4.00	167
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
	Total J & K	1200	281	266	6.19	258
Total State Control Area Generation		45161	17755	15480	412.02	17167
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			6252	5821	176.09	7337
Total Regional Availability(Gross)		70398	42694	32164	889.57	37066

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9038	1222	75.77	3157
State Control Area Hydro	6581	1971	1066	37	1540
Total Regional Hydro	18815	11009	2288	112.73	4697

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)	-500	-300	0	500	0.00	10.62	-10.62	
765 KV Gwalior-Agra (D/C)	2652	2620	3314	0	66.21	0.00	66.21		
400 KV Zerda-Kankroli	12	12	56	2	0.00	3.33	-3.33		
400 KV Zerda-Bhinmal	19	-106	82	186	0.00	1.14	-1.14		
220 KV Auraiya-Malanpur	-65	-93	0	143	0.00	2.34	-2.34		
220 KV Badod-Kota/Morak	-6	11	23	27	0.00	0.09	-0.09		
Mundra-Mohindergarh (HVDC Bipole)	2098	1900	2507	0	53.97	0.00	53.97		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Phagi-Gwalior (D/C)	1027	931	1283	0	25.57	0.00	25.57		
Sub Total WR	5237	4975			145.75	17.52	128.22		
Pusauli Bypass/HVDC	400	400	400	0	8.96	0.00	8.96		
400 KV MZP- GKP (D/C)	-480	-500	0	-636	0.00	-10.79	10.79		
400 KV Patna-Balia(D/C) X 2	582	630	740	0	15.39	0.00	15.39		
400 KV B' Sharif-Balia (D/C)	-169	-169	0	-205	0.00	3.29	-3.29		
765 KV Gaya-Balia	114	139	230	0	1.62	0.00	1.62		
765 KV Gaya-Fatehpur	157	48	371	0	4.45	0.00	4.45		
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00		
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00		
132 KV Son Ngr-Rihand	-26	-30	34	0	0.00	0.64	-0.64		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-111	-200	110	223	0.00	1.80	-1.80		
400 KV Barh -GKP (D/C)	548	528	574	0	12.38	0.00	12.38		
Sub Total ER	1015	846			42.80	-5.07	47.86		
+/- 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	6252	5821			188.55	12.46	176.09		

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
33.02	0.28	33.30	3.05	-2.35	-0.10	5.00	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
36.24	121.77	158.02	47.86	128.22	176.09	11.62	6.45	18.07

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	-28	0	31	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	0.47	11.63	54.65	67.69	14.06	6.06	0.61	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	Std. Dev.	MAX (Hz)	MIN (Hz)	Freq Dev Index (% of Time)
50.35	18.03	49.76	5.41	49.99	0.060	0.077	50.23	49.94	32.31

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	404	18:07	400	04:50	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	414	01:13	400	22:13	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	01:05	399	17:54	0.0	0.0	0.0	0.0	0.0
Kanpur	400	415	01:40	400	16:39	0.0	0.0	0.0	0.0	0.0
Dadrn	400	419	20:54	404	11:18	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	426	02:00	407	11:23	0.0	0.0	29.2	0.0	29.2
Bawana	400	426	01:39	403	11:22	0.0	0.0	27.2	0.0	27.2
Bassi	400	423	21:12	398	08:47	0.0	0.0	3.7	0.0	3.7
Hissar	400	419	20:40	394	11:24	0.0	0.0	0.0	0.0	0.0
Moga	400	422	20:41	398	11:23	0.0	0.0	0.8	0.0	0.8
Abdullapur	400	423	20:57	398	11:18	0.0	0.0	4.5	0.0	4.5
Nalagarh	400	434	20:45	404	11:21	0.0	0.0	37.4	2.8	37.4
Kishenpur	400	418	04:00	397	07:46	0.0	0.0	0.0	0.0	0.0
Wagoora	400	398	13:01	372	19:04	29.4	72.2	0.0	0.0	29.4
Amritsar	400	428	20:37	401	11:22	0.0	0.0	24.9	0.0	24.9
Kashipur	400	421	00:57	411	17:56	0.0	0.0	2.3	0.0	2.3
Hamirpur	400	425	20:39	399	10:08	0.0	0.0	4.9	0.0	4.9
Rishkesh	400	416	01:00	392	18:50	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	768	02:00	743	09:16	0.0	0.0	0.0	0.0	0.0
Balia	765	763	01:40	741	22:13	0.0	0.5	0.0	0.0	0.0
Moga	765	803	20:40	760	11:23	0.0	0.0	1.9	0.0	1.9
Agra	765	788	18:16	755	08:48	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	799	20:38	764	11:20	0.0	0.0	0.0	0.0	0.0
Unnao	765	765	02:01	740	19:16	0.0	2.6	0.0	0.0	0.0
Lucknow	765	781	01:04	755	19:16	0.0	0.0	0.0	0.0	0.0
Meerut	765	810	20:59	768	11:24	0.0	0.0	5.5	0.0	5.5
Jhatikara	765					0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	786	01:00	760	09:12	0.0	0.0	0.0	0.0	0.0
Anta	765	778	18:04	759	07:10	0.0	0.0	0.0	0.0	0.0
Phagi	765	786	18:04	754	11:24	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 ³ /s)	Usage (m ³ /s)
Bhakra	513.59	445.62	488.61	690.35	482.89	527.87	158.04	517.01
Pong	426.72	384.05	399.29	203.01	399.37	203.01	34.40	333.15
Tehri	829.79	740.04	773.95	262.35	785.20	387.87	59.06	222.00
Koteshwar	612.50	598.50	610.99	4.95	610.57	4.69	222.00	209.78
Chamera-I	760.00	748.75	756.30	0.00	0.00	0.00	64.47	90.86
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	496.11	1.62	501.75	3.04	74.46	48.89

* 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	124	0	-617	-688	0	-3.71	-2.77	-6.47
Delhi	-1089	-364	0	-628	7	0	-18.20	-3.42	-21.62
Haryana	-338	221	0	-363	292	0	-9.41	5.95	-3.45
HP	225	28	0	351	-145	0	10.92	-3.56	7.36
J&K	724	-102	0	619	-11	0	15.45	-1.35	14.09
CHD	-30	0	0	0	-15	0	-0.24	-0.18	-0.42
Rajasthan	-7	646	2	-7	604	0	8.48	10.31	18.79
UP	130	0	0	64	51	0	-6.84	1.46	-5.38
Uttarakhand	193	150	0	193	324	0	4.74	3.23	7.98
Total	-290	703	2	-388	418	0	1.19	9.68	10.87

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-68	-617	133	-996	0	0
Delhi	-502	-1119	137	-398	0	0
Haryana	-338	-567	306	-8	0	0
HP	696	225	28	-827	0	0
J&K	724	589	0	-163	0	0
CHD	0	-30	0	-51	0	0
Rajasthan	843	-7	651	-142	2	0
UP	161	-753	678	0	0	0
Uttarakhand	221	193	324	1	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	5.21%

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

WR	13.89%
ER	0.00%
Simultaneous	41.32%

(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 26.02.2016 :

Normal

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 :