

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 18.02.2016
Date of Reporting : 19.02.2016



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
37602	2016	39618	50.09	29661	405	30065	50.12	830.0	39.51

* 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	41.76	7.60		49.36	58.44	58.76	0.32	108.11	0.00
Haryana	46.77	0.26		47.03	63.73	62.37	-1.36	109.40	0.00
Rajasthan	105.91	4.40	29.46	139.78	65.35	67.19	1.84	206.97	0.00
Delhi	13.82			13.82	45.39	45.49	0.09	59.30	0.00
UP	127.94	4.20		132.14	104.76	105.92	1.16	238.06	28.97
Uttarakhand		9.75		9.75	23.76	24.98	1.22	34.73	0.00
HP		3.57		3.57	21.89	21.99	0.10	25.56	0.10
J & K		5.37	0.00	5.37	38.43	38.97	0.55	44.34	10.44
Chandigarh				0.00	3.44	3.52	0.27	3.52	0.00
Total	336.19	35.15	29.46	400.79	425.20	429.19	4.18	829.98	39.51

* 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	5077	0	54	19	3512	0	-16	203	5259
Haryana	6080	0	50	-56	3066	0	-110	-225	6080
Rajasthan	8781	0	325	554	7677	0	-109	661	9411
Delhi	3018	0	-156	-736	1436	0	108	-1596	3310
UP	9439	1500	-473	-595	10141	95	-7	135	10797
Uttarakhand	1780	0	100	606	1186	0	116	324	1823
HP	1176	0	-43	335	796	0	61	338	1426
J&K	2066	516	113	784	1756	310	-3	728	2080
Chandigarh	187	0	-7	0	91	0	1	-30	198
Total	37602	2016	-37	910	29661	405	42	537	38106

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

Diversity is: 1.06

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	1873	2022	1684	43.48	1812	42.59	0.89
	Rihand I STPS (2*500)	1000	868	909	692	17.67	736	17.68	-0.01
	Rihand II STPS (2*500)	1000	958	923	718	20.09	837	19.75	0.34
	Rihand III STPS (2*500)	1000	959	869	697	20.25	844	20.15	0.10
	Dadri I STPS (4*210)	840	815	667	552	13.55	564	13.86	-0.32
	Dadri II STPS (2*490)	980	980	724	563	16.51	688	17.32	-0.81
	Unchahar I TPS (2*210)	420	406	318	336	7.87	328	8.01	-0.14
	Unchahar II TPS (2*210)	420	404	321	303	7.15	298	7.08	0.07
	Unchahar III TPS (1*220)	210	202	153	153	3.47	145	3.50	-0.03
	ISTPP (Jhajhar) (3*500)	1500	1475	652	643	14.40	600	14.68	-0.28
	Dadri GPS (4*130.19+2*154.51)	830	815	494	499	11.50	479	11.73	-0.23
	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	656	285	285	6.88	287	7.13	-0.24
	Dadri Solar	5	0	0	0	0.01	0	0.01	0.00
	Unchahar Solar	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar	15	2	0	0	0.06	2	0.05	0.01
	KHEP	800	435	437	0	1.43	60	1.33	0.10
Sub Total (A)	12112	11264	8773	7125	184	7681	185	-1	
B. NPC	NAPS (2*220)	440	414	445	452	9.83	410	9.94	-0.11
	RAPS- B (2*220)	440	385	421	427	9.18	382	9.24	-0.06
	RAPS- C (2*220)	440	425	446	453	9.77	407	10.20	-0.43
	Sub Total (B)	1320	1224	1312	1332	28.77	1199	29.38	-0.60
C. NHPC	Chamera I HPS (3*180)	540	360	368	0	1.80	75	1.58	0.22
	Chamera II HPS (3*100)	300	206	207	0	0.95	40	0.89	0.05
	Chamera III HPS (3*77)	231	155	161	0	0.50	21	0.46	0.03
	Bairasuli HPS(3*60)	180	161	161	0	0.59	25	0.54	0.06
	Salal-HPS (6*115)	690	103	265	110	2.80	117	2.45	0.35
	Tanakpur-HPS (3*40)	94	16	12	14	0.39	16	0.38	0.01
	Uri-I HPS (4*120)	480	216	327	217	5.38	224	5.16	0.22
	Uri-II HPS (4*60)	240	143	147	140	3.52	147	3.41	0.11
	Dhauliganga-HPS (4*70)	280	280	215	0	0.66	27	0.56	0.10
	Dulhasi-HPS (3*130)	390	390	398	0	2.64	110	2.39	0.24
	Sewa-II HPS (3*40)	120	119	127	0	0.38	16	0.37	0.02
Parbati 3 (4*130)	520	0	0	0	0.02	1	0.00	0.02	
Sub Total (C)	4065	2149	2388	481	20	817	18	1	
D.SJVNL	NJPC (6*250)	1500	1605	1319	0	6.18	257	6.18	-0.01
	Rampur HEP (6*68.67)	412	385	334	0	1.69	70	1.69	0.00
Sub Total (D)	1912	1990	1653	0	7.87	328	7.87	-0.01	
E. THDC	Tehri HPS (4*250)	1000	784	777	0	7.40	309	7.40	0.00
	Koteshwar HPS (4*100)	400	130	399	90	3.17	132	3.13	0.04
Sub Total (E)	1400	914	1176	90	10.57	441	10.53	0.04	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	682	1136	433	16.69	695	16.36	0.32
	Dehar HPS (6*165)	990	97	495	0	2.48	104	2.32	0.16
	Pong HPS (6*66)	396	309	360	182	7.32	305	7.41	-0.09
Sub Total (F)	2765	1087	1991	615	26.50	1104	26.09	0.40	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.40	17	0.38	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	590	0	3.38	141	3.38	0.00
	Malana Stg-II HPS (2*50)	100	0	0	0	0.16	7	0.15	0.01
	Shree Cement TPS (2*150)	300	0	298	297	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	923	297	11.18	466	11.20	-0.02
H. Total Regional Entities (A-G)	25237	18629	18216	9939	288.84	12035	288.18	0.66	

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	160	210	4.19	175
	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	-0.10	-4
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1379	896	26.60	1109
	Talwandi Saboo (2*660)	1320	332	337	11.09	462
	Thermal (Total)	5360	1871	1443	41.76	1740
	Total Hydro	1000	303	304	7.60	317
	Total Punjab	6360	2174	1747	49.36	2056
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	573	592	13.67
DCRTPP (Yamuna nagar) (2*300)		600	548	456	11.19	466
Faridabad GPS (NTPC)		432	188	159	4.17	174
RGTPP (kheadar) (IPP) (2*600)		1200	0	0	0.00	0
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	724	736	17.73	739
Thermal (Total)		4944	2033	1943	46.77	1949
Total Hydro		62	11	9	0.26	11
Total Haryana		5006	2044	1952	47.03	1959
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	672	855	18.97
	suratgarh TPS (6*250)	1500	386	389	9.08	378
	Chabra TPS (4*250)	1000	567	569	13.85	577
	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	66	58	1.58	66
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	90	91	2.03	85
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwst LTPS (IPP) (8*135)	1080	714	498	16.45	685
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	863	850	20.39	850
	Kawail(Adani) (2*660)	1320	964	857	23.57	982
	Thermal (Total)	8876	4322	4167	106	4413
	Total Hydro	550	104	103	4.40	183
	Wind power	3214	1067	1278	28.98	1207
	Biomass	99	20	20	0.49	20
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	1087	1298	29.46	1228
	Total Rajasthan	13469	5513	5568	139.78	5824
	UP	Anpara TPS (3*210+2*500)	1630	1406	1387	33.20
Obra TPS (2*50+2*94+5*200)		1194	452	436	10.60	442
Paricha TPS (2*110+2*220+2*250)		1140	760	712	18.10	754
Panki TPS (2*105)		210	0	0	0.00	0
Harduaaganj TPS (1*60+1*105+2*250)		665	221	314	6.53	272
Tanda TPS (NTPC) (4*110)		440	360	375	8.90	371
Roza TPS (IPP) (4*300)		1200	576	832	18.59	775
Anpara-C (IPP) (2*600)		1200	540	531	12.83	534
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
Thermal (Total)		11269	4315	4587	109	4531
Vishnuparyag HPS (IPP)(4*110)		440	60	59	1.42	59
Alakanada(4*82.5)		330	83	0	0.91	38
Other Hydro		527	41	17	1.88	78
Cogeneration		981	800	800	19.20	800
Total UP		13547	5299	5463	132	5506
Uttarakhand	Total Hydro	1398	588	276	9.75	406
	Total Uttarakhand	1398	588	276	9.75	406
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	34	36	0.93	39
	Praagati Gas Turbine (2x104+ 1x122)	330	140	141	3.38	141
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	247	5.99	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	156	159	3.51	146
	Thermal (Total)	2917	583	583	13.82	576
	Total Delhi	2917	583	583	13.82	576
HP	Baspa HPS (IPP) (3*100)	300	64	0	1.16	48
	Malana HPS (IPP) (2*43)	86	0	0	0.18	8
	Other Hydro	878	126	54	2.23	93
	Total HP	1264	190	54	3.57	149
J & K	Baglihar HPS (IPP) (3*150)	450	143	143	3.40	142
	Other Hydro/IPP	560	107	63	1.97	82
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	250	206	5.37	224
Total State Control Area Generation		45161	16641	15849	400.79	16700
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			5978.06	4804.87	152.61	6359
Total Regional Availability(Gross)		70398	40835	30593	842.25	35094

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8235	1186	69.92	2913
State Control Area Hydro	6581	1630	1028	35	1464
Total Regional Hydro	18815	9865	2214	105.06	4378

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)	-150	-500	50	500	0.14	7.37	-7.23	
765 KV Gwalior-Agra (D/C)	2630	2305	3371	0	66.12	0.00	66.12		
400 KV Zerde-Kankroli	-122	-301	0	335	0.00	4.47	-4.47		
400 KV Zerde-Bhinmal	-75	-219	14	260	0.00	2.82	-2.82		
220 KV Auraiya-Malanpur	-90	-79	0	101	0.00	1.86	-1.86		
220 KV Badod-Kota/Morak	26	-56	26	57	0.00	0.48	-0.48		
Mundra-Mohindergarh (HVDC Bipole)	1998	2198	2505	0	54.17	0.00	54.17		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Phagi-Gwalior (D/C)	1050	644	1293	0	24.55	0.00	24.55		
Sub Total WR	5267	3992			144.98	17.00	127.98		
Pusauli Bypass/HVDC	100	250	250	0	4.06	0.00	4.06		
400 KV MZP- GKP (D/C)	-456	-404	0	560	0.00	8.68	-8.68		
400 KV Patna-Balia(D/C) X 2	484	537	717	0	14.00	0.00	14.00		
400 KV B' Sharif-Balia (D/C)	-162	-149	0	181	0.00	2.10	-2.10		
765 KV Gaya-Balia	143	153	246	0	2.17	0.00	2.17		
765 KV Gaya-Fatehpur	161	21	335	0	3.96	0.00	3.96		
220 KV Pusauli-Sahupuri	102	158	196	0	3.20	0.00	3.20		
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.91	-0.91		
132 KV Son Ngr-Rihand	-33	-40	0	44	0.00	0.81	-0.81		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-76	-213	144	233	0.00	1.59	-1.59		
400 KV Barh -GKP (D/C)	448	500	532	0	11.32	0.00	11.32		
Sub Total ER	711	813			38.71	14.08	24.63		
+/- 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	5978	4805			183.69	31.08	152.61		

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	
32.00	0.05	32.05	3.29	-2.02	0.03	22.84	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	
35.36	126.28	161.64	24.63	127.98	152.61	-10.74	1.70	-9.03	

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	-26	-28	0	33	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	0.25	8.98	52.68	70.75	14.24	5.83	0.24	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					
50.23	18.02	49.76	22.07	49.99	0.047	0.068	50.16	49.97	29.25

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	00:52	399	14:25	0.0	0.0	
Gorakhpur	400	415	21:58	403	07:13	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	18:03	375	16:45	0.0	0.0	0.0	0.0	0.0
Kanpur	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Dadrn	400	423	01:54	407	14:38	0.0	0.0	17.9	0.0	17.9
Ballabgarh	400	431	02:24	410	14:36	0.0	0.0	43.8	0.9	43.8
Bawana	400	430	02:20	407	14:39	0.0	0.0	35.9	0.0	35.9
Bassi	400	427	05:01	398	12:14	0.0	0.0	18.1	0.0	18.1
Hissar	400	422	02:20	398	14:36	0.0	0.0	4.9	0.0	4.9
Moga	400	422	20:52	403	12:15	0.0	0.0	1.9	0.0	1.9
Abdullapur	400	423	20:52	402	14:40	0.0	0.0	3.6	0.0	3.6
Nalagarh	400	436	20:53	408	14:38	0.0	0.0	42.4	7.5	42.4
Kishenpur	400	421	02:20	401	07:31	0.0	0.0	1.0	0.0	1.0
Wagoora	400	398	13:00	372	07:37	13.3	83.6	0.0	0.0	13.3
Amritsar	400	428	20:52	403	14:38	0.0	0.0	27.9	0.0	27.9
Kashipur	400	421	18:02	410	14:34	0.0	0.0	0.4	0.0	0.4
Hamirpur	400	423	02:21	402	10:07	0.0	0.0	29.7	0.0	29.7
Rishkesh	400	414	18:02	389	14:39	0.0	0.4	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	773	01:12	742	10:12	0.0	0.0	
Balia	765	765	04:04	744	10:09	0.0	0.0	0.0	0.0	0.0
Moga	765	804	20:56	769	09:14	0.0	0.0	1.5	0.0	1.5
Agra	765	789	22:00	753	10:13	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	770	04:03	739	14:37	0.0	1.7	0.0	0.0	0.0
Lucknow	765	783	04:03	754	14:41	0.0	0.0	0.0	0.0	0.0
Meerut	765	810	01:12	767	14:40	0.0	0.0	23.8	0.0	23.8
Jhatikara	765	0	00:00	9999	00:00	0.0	0.0	29.5	0.0	29.5
Bareilly 765 kV	765	787	04:02	750	14:39	0.0	0.0	0.0	0.0	0.0
Anta	765	779	21:59	755	16:46	0.0	0.0	0.0	0.0	0.0
Phagi	765	790	01:57	746	16:46	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	490.74	758.57	485.54	602.35	108.43	523.86
Pong	426.72	384.05	400.91	237.89	399.27	203.01	42.87	522.81
Tehri	829.79	740.04	778.50	302.86	789.40	444.82	63.52	217.00
Koteshwar	612.50	598.50	611.07	4.95	610.33	4.69	217.00	208.59
Chamera-I	760.00	748.75	757.36	0.00	0.00	0.00	46.39	48.15
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1138.47	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	495.80	0.29	500.85	3.10	51.81	15.93

* 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	299	0	-271	290	0	-2.67	6.09	3.43
Delhi	-1038	-557	0	-704	-32	0	-18.06	-3.79	-21.85
Haryana	-318	92	0	-343	287	0	-8.92	6.33	-2.59
HP	214	125	0	534	-199	0	10.62	-0.48	10.14
J&K	728	0	0	770	14	0	16.02	-0.11	15.91
CHD	-30	0	0	0	0	0	-0.24	-0.06	-0.30
Rajasthan	-6	664	3	-6	557	3	8.53	13.76	22.28
UP	135	0	0	-595	0	0	-8.11	0.00	-8.11
Uttarakhand	193	131	0	193	413	0	4.75	5.29	10.04
Total	-219	754	3	-422	1330	3	1.92	27.03	28.95

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-68	-271	299	159	0	0
Delhi	-502	-1068	151	-557	0	0
Haryana	-318	-546	316	-90	0	0
HP	588	214	163	-619	0	0
J&K	770	592	98	-152	0	0
CHD	0	-30	0	-41	0	0
Rajasthan	845	-6	664	60	3	2
UP	175	-629	0	0	0	0
Uttarakhand	221	193	413	125	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	0.69%

(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 18.02.2016 :

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 :