

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(सर्वरक्षित की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO1188682

Power Supply Position in Northern Region for 19.03.2016

Date of Reporting : 20.03.2016



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
34845	1816	36662	50.09	30316	1583	31899	49.89	808.4	43.09

* 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)	UI [OD:(+ve), UD: (-ve)] Shortages *
	Thermal	Hydro	Renewable/others †	Total					
Punjab	24.66	4.15		28.80	54.37	54.74	0.37	83.54	0.00
Haryana	32.79	0.33		33.12	76.76	76.85	0.09	109.96	0.00
Rajasthan	121.87	2.55	18.70	143.12	55.88	57.39	1.51	200.51	0.00
Delhi	10.19			10.19	50.56	52.10	1.54	62.29	0.07
UP	127.82	5.19		133.01	117.53	122.34	4.81	255.36	34.65
Uttarakhand		10.00		10.00	21.43	21.43	1.78	33.22	0.00
HP		7.99		7.99	16.39	16.89	0.50	24.88	0.00
J & K		12.53	0.00	12.53	26.90	22.82	-4.09	35.34	8.37
Chandigarh				0.00	3.15	3.27	0.27	3.27	0.00
Total	317.33	42.73	18.70	378.76	422.97	429.60	6.78	808.36	43.09

† 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				# Max(hourly) Demand Met of Day (MW)
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	
Punjab	3582	0	-333	-768	2877	0	198	40	3935
Haryana	5186	0	-450	137	3405	0	251	-1023	5821
Rajasthan	7441	0	122	-121	8500	0	19	432	9098
Delhi	3007	0	-33	-585	1910	48	115	-1123	3236
UP	10689	1320	170	545	10783	1385	323	539	11619
Uttarakhand	1759	0	263	469	1142	0	51	243	1759
HP	1020	0	-1	-94	759	0	-6	187	1350
J&K	1985	496	209	273	850	150	-753	382	1986
Chandigarh	176	0	22	-25	89	0	3	-10	176
Total	34845	1816	-30	-170	30316	1583	202	-334	37468

† 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 :

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	1890	2027	2037	44.78	1866	45.24	-0.45
	Rihand I STPS (2*500)	1000	841	748	838	18.74	781	19.03	-0.29
	Rihand II STPS (2*500)	1000	948	930	1009	21.58	899	21.76	-0.18
	Rihand III STPS (2*500)	1000	948	921	1015	21.80	908	22.01	-0.21
	Dadri I STPS (4*210)	840	815	329	311	8.21	342	8.48	-0.27
	Dadri II STPS (2*490)	980	980	813	692	17.97	749	18.74	-0.76
	Unchahar I TPS (2*210)	420	350	303	361	7.74	322	7.90	-0.16
	Unchahar II TPS (2*210)	420	404	311	400	8.04	335	8.24	-0.20
	Unchahar III TPS (1*210)	210	202	154	194	3.89	162	4.09	-0.20
	ISTPP (Jhajjar) (3*500)	1500	950	315	309	7.26	303	7.56	-0.30
	Dadri GPS (4*130.19+2*154.51)	830	600	185	150	4.08	170	4.16	-0.08
	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	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.00	0	0.02	-0.02
	Unchahar Solar(10)	10	1	0	0	0.00	0	0.03	-0.03
	Singrauli Solar(15)	15	3	0	0	0.00	0	0.07	-0.07
	KHEP(4*200)	800	655	653	0	2.57	107	2.50	0.07
Sub Total (A)	12112	10496	7689	7316	167	6944	170	-0.3	
B. NPC	NAPS (2*220)	440	408	435	444	9.65	402	9.79	-0.14
	RAPS- B (2*220)	440	381	420	425	9.08	378	9.14	-0.07
	RAPS- C (2*220)	440	418	448	452	9.67	403	10.03	-0.36
	Sub Total (B)	1320	1207	1303	1321	28.39	1183	28.97	-0.57
C. NHPC	Chamera I HPS (3*180)	540	534	537	0	4.36	182	4.23	0.13
	Chamera II HPS (3*100)	300	300	305	0	2.48	104	2.37	0.12
	Chamera III HPS (3*77)	231	235	231	0	1.28	53	1.21	0.07
	Bairasuli HPS(3*60)	180	182	186	152	4.37	182	4.29	0.08
	Salal-HPS (6*115)	690	371	533	504	9.33	389	9.02	0.32
	Tanakpur-HPS (3*40)	94	16	15	14	0.41	17	0.38	0.03
	Uri-I HPS (4*120)	480	423	464	471	10.46	436	10.19	0.26
	Uri-II HPS (4*60)	240	201	213	218	4.92	205	4.85	0.07
	Dhauliganga-HPS (4*70)	280	210	215	0	0.71	30	0.65	0.06
	Dulhasi-HPS (3*130)	390	387	402	0	3.06	128	2.63	0.43
	Sewa-II HPS (3*40)	120	119	125	126	2.98	124	2.86	0.12
Parbati 3 (4*130)	520	319	132	0	0.63	26	0.59	0.03	
Sub Total (C)	4065	3117	3359	1484	45	1874	43	2	
D.SJVNL	NJPC (6*250)	1500	1350	1348	0	6.97	290	6.95	0.02
	Rampur HEP (6*68.67)	412	442	375	0	1.97	82	1.94	0.03
	Sub Total (D)	1912	1792	1723	0	8.94	373	8.89	0.05
E. THDC	Tehri HPS (4*250)	1000	535	660	0	5.66	236	5.79	-0.04
	Koteswar HPS (4*100)	400	114	91	91	2.77	115	2.73	0.04
	Sub Total (E)	1400	648	751	91	8.43	351	8.43	0.00
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	449	753	376	10.94	456	10.78	0.16
	Dehar HPS (6*165)	990	382	495	330	9.52	396	9.16	0.36
	Pong HPS (6*66)	396	101	220	0	2.15	89	2.42	-0.27
	Sub Total (F)	2765	932	1468	706	22.60	942	22.36	0.24
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.41	17	0.40	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	625	0	3.38	141	3.84	-0.46
	Malana Stg-II HPS (2*50)	100	0	0	0	0.23	9	0.21	0.01
	Shree Cement TPS (2*150)	300	0	293	297	7.05	294	7.12	-0.07
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	918	297	11.22	467	11.71	-0.49
H. Total Regional Entities (A-G)	25237	18192	17211	11215	291.23	12135	293.44	-2.21	

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	160	3.66	152
	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	1.85	77
	Rajpura (2*700)	1400	1060	660	19.25	802
	Talwandi Saboo (2*660)	1320	0	0	0.00	0
	Thermal (Total)	5360	1220	820	24.66	1027
	Total Hydro	1000	173	151	4.15	173
	Total Punjab	6360	1393	971	28.80	1200
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	553	458	11.66	486
Faridabad GPS (NTPC)		432	0	158	1.27	53
RGTPP (khedar) (IPP) (2*600)		1200	1021	482	19.86	828
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4944	1574	1098	32.79	1366
Total Hydro		62	15	16	0.33	14
Total Haryana		5006	1589	1114	33.12	1380
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	688	696	17.03
	suratgarh TPS (6*250)	1500	376	381	9.25	386
	Chabra TPS (4*250)	1000	736	823	19.67	819
	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	217	214	5.41	225
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingar (NLC) (2*125)	250	95	95	2.13	89
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwast LTPS (IPP) (8*135)	1080	637	844	18.66	778
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalsindh Thermal(2*600)	1200	805	1065	22.40	933
	Kawail(Adani) (2*660)	1320	950	1170	27.33	1139
	Thermal (Total)	8876	4504	5288	122	5078
	Total Hydro	550	93	94	2.55	106
	Wind power	3214	632	516	15.46	644
	Biomass	99	11	11	0.26	11
	Solar	730	0	0	2.98	124
	Renewable/Others (Total)	4043	643	527	18.70	779
	Total Rajasthan	13469	5240	5909	143.12	5963
UP	Anpara TPS (3*210+2*500)	1630	1053	376	21.57	899
	Obra TPS (2*50+2*94+5*200)	1194	436	404	10.25	427
	Paricha TPS (2*110+2*220+2*250)	1140	761	769	18.21	759
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	326	330	7.64	318
	Tanda TPS (NTPC) (4*110)	440	382	398	9.13	380
	Roza TPS (IPP) (4*300)	1200	549	770	15.34	639
	Anpara-C (IPP) (2*600)	1200	1078	1080	25.70	1071
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	500	0	0	3.19	133
	Lalitpur TPS(2*660)	1320	0	0	0.00	0
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	11269	4585	4127	111	4626
	Vishnuparyag HPS (IPP)(4*110)	440	62	64	1.51	63
	Alakananda(4*82.5)	330	0	78	1.05	44
	Other Hydro	527	28	210	2.63	110
	Cogeneration	981	700	700	16.80	700
	Total UP	13547	5375	5179	133	5542
	Uttarakhand	Total Hydro	1398	476	374	10.00
Total Uttarakhand		1398	476	374	10.00	417
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	49	41	0.75	31
	Pragati Gas Turbine (2x104+ 1x122)	330	0	0	-0.02	-1
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	254	6.02	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	161	161	3.45	144
	Thermal (Total)	2917	462	456	10.19	425
	Total Delhi	2917	462	456	10.19	425
HP	Baspa HPS (IPP) (3*100)	300	34	0	0.77	32
	Malana HPS (IPP) (2*43)	86	0	0	0.28	12
	Other Hydro	878	308	265	6.94	289
	Total HP	1264	342	265	7.99	333
J & K	Baqilhar HPS (IPP) (3*150)	450	438	248	9.47	394
	Other Hydro/IPP	560	160	79	3.06	127
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	598	327	12.53	522
Total State Control Area Generation		45161	15475	14595	378.76	15782
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			5485.87	6489.74	150.37	6265
Total Regional Availability(Gross)		70398	38172	32300	820.36	34182

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8579	2281	91.55	3815
State Control Area Hydro	6581	1787	1579	43	1781
Total Regional Hydro	18815	10366	3860	134.28	5595

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	
Vindhyachal(HVDC B/B)	-50	150	150	-250	0.44	3.77	-3.33
765 KV Gwalior-Agra (D/C)	2171	2811	3311	0	68.25	0.00	68.25
400 KV Zarda-Kankroli	159	187	0	235	0.00	3.53	-3.53
400 KV Zarda-Bhimmal	-110	-164	12	232	0.00	2.49	-2.49
220 KV Auraiya-Malanpur	-46	-26	0	53	0.00	0.26	-0.26
220 KV Badod-Kota/Morak	-14	10	76	24	0.43	0.00	0.43
Mundra-Mohinderghar(HVDC Bipole)	2499	2103	2506	0	57.85	0.00	57.85
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kv Phagi-Gwalior (D/C)	560	616	846	0	15.81	0.00	15.81
Sub Total WR	5169	5687			142.77	10.05	132.72
Pusaali Bypass/HVDC	400	400	400	0	8.95	0.00	8.95
400 KV MZP- GKP (D/C)	-604	-462	0	660	0.00	11.69	-11.69
400 KV Patna-Balia(D/C) X 2	212	354	410	0	7.92	0.00	7.92
400 KV B Sharif-Balia (D/C)	-288	-183	0	288	0.00	5.18	-5.18
765 KV Gaya-Balia	38	80	248	0	1.47	0.00	1.47
765 KV Gaya-Varanasi -1	0	0	0	0	0.00	0.00	0.00
220 KV Pusaali-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Khasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-27	-25	0	30	0.00	0.52	-0.52
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-336	-317	0	336	0.00	4.96	-4.96
400 KV Barh -GKP (D/C)	422	456	520	0	11.00	0.00	11.00
Sub Total ER	-183	303			29.82	22.34	7.48
+/- 800 KV BiswanathCharialli-Agra	500	500	500	0	10.16	0.00	10.16
Sub Total NER	500	500			10.16	0.00	10.16
Total IR Exch	5486	6490			182.76	32.39	150.37

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
30.89	0.19	31.08	-1.93	-7.50	-0.86	4.47	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
28.29	124.38	152.67	17.64	132.72	150.37	-10.65	8.35	-2.30

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 - Mahendmagar	-31	-30	0	32	0	1	-0.69

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	2.62	38.59	68.48	22.37	5.50	0.16	0.00

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)	(Hz)		
50.21	16.05	49.84	16.14	50.01	0.034	0.057	50.17	50.01	31.52

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	10:03	398	23:06	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	415	02:30	402	19:12	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	417	02:29	402	13:21	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	02:29	400	19:33	0.0	0.0	0.0	0.0	0.0
Dadri	400	424	02:29	405	19:18	0.0	0.0	7.6	0.0	7.6
Balabgarh	400	431	02:30	410	19:17	0.0	0.0	37.1	0.0	37.1
Bawana	400	429	02:30	407	19:16	0.0	0.0	19.5	0.0	19.5
Bassi	400	418	05:01	397	22:15	0.0	0.0	0.0	0.0	0.0
Hissar	400	424	02:27	402	19:16	0.0	0.0	6.8	0.0	6.8
Moga	400	423	02:29	399	19:16	0.0	0.0	4.8	0.0	4.8
Abdullapur	400	430	02:29	402	19:09	0.0	0.0	33.9	0.0	33.9
Nalagarh	400	434	02:25	410	18:55	0.0	0.0	81.0	12.9	81.0
Kishenpur	400	431	03:54	396	19:13	0.0	0.0	31.2	0.5	31.2
Wagoora	400	417	04:57	369	19:17	20.0	0.0	0.0	0.0	20.0
Amritsar	400	428	02:29	404	19:07	0.0	0.0	25.7	0.0	25.7
Kashipur	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	427	02:17	406	18:53	0.0	0.0	13.3	0.0	13.3
Rishikesh	400	0	00:00	0	00:00	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	02:28	737	19:19	0.0	3.7	0.0	0.0	0.0
Balia	765	770	02:29	748	19:10	0.0	0.0	0.0	0.0	0.0
Moga	765	803	02:30	760	19:17	0.0	0.0	0.6	0.0	0.6
Agra	765	787	02:29	755	22:19	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	02:18	768	19:20	0.0	0.0	3.2	0.0	3.2
Unnao	765	762	02:29	739	19:18	0.0	3.4	0.0	0.0	0.0
Lucknow	765	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	02:28	770	06:40	0.0	0.0	7.7	0.0	7.7
Jhatikara	765	807	02:29	768	19:17	0.0	0.0	11.1	0.0	11.1
Bareilly 765 kV	765	784	02:29	760	19:31	0.0	0.0	0.0	0.0	0.0
Anta	765	775	07:56	755	12:45	0.0	0.0	0.0	0.0	0.0
Phagi	765	783	02:30	752	22:21	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 ³ /s)	Usage (m ³ /s)
Bhakra	513.59	445.62	482.19	511.55	480.88	481.64	277.93	341.59
Pong	426.72	384.05	396.94	157.28	402.04	266.33	70.54	164.18
Tehri	829.79	740.04	760.90	128.01	777.65	285.60	44.12	186.00
Koteswar	612.50	598.50	611.29	4.95	610.87	4.95	186.00	182.31
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	214.39	120.28
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	497.61	0.00	507.54	3.13	83.62	0.00

* 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	5	35	0	-781	13	0	-2.53	-1.04	-3.57
Delhi	-838	-285	0	-656	71	0	-17.54	0.10	-17.44
Haryana	-342	-681	0	-175	313	0	-6.45	-0.63	-7.08
HP	30	157	0	132	-226	0	3.13	-0.26	2.87
J&K	400	-18	0	192	80	0	7.53	-0.74	6.79
CHD	0	-10	0	0	-25	0	0.00	-0.30	-0.30
Rajasthan	-11	443	0	-7	-114	0	0.57	7.16	7.73
UP	140	399	0	545	0	0	2.87	1.96	4.83
Uttarakhand	193	49	0	193	276	0	4.75	2.54	7.29
Total	-424	90	0	-557	387	0	-7.66	8.78	1.12

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	5	-781	153	-777	0	0
Delhi	-656	-910	346	-295	0	0
Haryana	-167	-571	330	-784	0	0
HP	242	30	199	-581	0	0
J&K	400	192	80	-236	0	0
CHD	0	0	0	-56	0	0
Rajasthan	185	-11	600	-404	0	0
UP	545	-66	485	0	0	0
Uttarakhand	222	193	276	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	0.00%

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

WR	0.00%
ER	0.00%
Simultaneous	0.00%

(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 19.03.2016 :

Normal

XV. Synchronisation of new generating units :

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

0.00
0.00

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :