

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(सरकारी की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO1188682

Power Supply Position in Northern Region for 24.03.2016

Date of Reporting : 25.03.2016



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
31300	477	31777	49.99	29278	275	29554	50.04	743.1	9.55

* 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	19.49	8.36		27.85	50.43	51.54	1.11	79.39	0.00
Haryana	20.80	0.28		21.08	68.90	69.15	0.25	90.23	0.00
Rajasthan	92.28	1.90	12.64	106.82	49.95	52.59	2.64	159.41	0.00
Delhi	4.33			4.33	43.24	43.58	0.34	47.91	0.02
UP	155.84	4.30		160.14	121.14	123.66	2.51	283.80	0.00
Uttarakhand		8.14		8.14	15.67	15.97	-1.70	22.11	0.00
HP		7.42		7.42	8.67	9.62	0.95	17.05	0.00
J & K		10.02	0.00	10.02	30.56	30.41	-0.15	40.43	9.53
Chandigarh				0.00	2.87	2.78	0.27	2.78	0.00
Total	292.73	40.41	12.64	345.79	391.43	397.31	6.24	743.09	9.55

* 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	3388	0	238	-545	2717	0	51	51	3696
Haryana	4708	0	-169	-127	3085	0	64	-503	5090
Rajasthan	5430	0	-40	262	7092	0	343	305	7534
Delhi	2009	10	-207	-325	1807	0	141	-761	2388
UP	12029	0	33	872	11285	0	-296	804	13594
Uttarakhand	1068	0	-175	242	943	0	140	143	1141
HP	651	0	-33	-568	692	0	82	63	932
J&K	1869	467	12	351	1561	275	66	387	2020
Chandigarh	148	0	-23	-20	95	0	6	-15	154
Total	31300	477	-364	142	29278	275	598	472	35208

* 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	1883	1803	1995	42.37	1765	42.20	0.16
	Rihand I STPS (2*500)	1000	833	776	757	17.42	726	17.57	-0.15
	Rihand II STPS (2*500)	1000	949	844	767	19.98	833	19.97	0.01
	Rihand III STPS (2*500)	1000	949	980	815	20.59	858	20.77	-0.17
	Dadri I STPS (4*210)	840	815	300	308	7.25	302	7.47	-0.22
	Dadri II STPS (2*490)	980	980	427	453	9.83	409	10.15	-0.33
	Unchahar I TPS (2*210)	420	350	290	281	6.17	257	6.07	0.09
	Unchahar II TPS (2*210)	420	404	306	313	6.77	282	6.79	-0.02
	Unchahar III TPS (1*210)	210	202	153	154	3.37	140	3.39	-0.03
	ISTPP (Jhajhri) (3*500)	1500	950	302	299	6.74	281	6.84	-0.10
	Dadri GPS (4*130.19+2*154.51)	830	800	183	193	4.37	182	4.76	-0.39
	Anta GPS (3*88.71+1*153.2)	419	409	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	653	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.02	1	0.03	0.00
	Unchahar Solar(10)	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.07	0.00
	KHEP(4*200)	800	655	651	0	2.31	96	2.50	-0.19
Sub Total (A)	12112	10838	7015	6335	147	6137	149	-1	
B. NPC	NAPS (2*220)	440	400	432	444	9.70	404	9.60	0.10
	RAPS- B (2*220)	440	375	420	426	9.06	377	9.00	0.06
	RAPS- C (2*220)	440	418	443	450	9.67	403	10.03	-0.36
	Sub Total (B)	1320	1193	1295	1320	28.43	1185	28.63	-0.20
C. NHPC	Chamera I HPS (3*180)	540	534	540	0	4.23	176	4.11	0.12
	Chamera II HPS (3*100)	300	300	303	0	2.20	92	2.13	0.07
	Chamera III HPS (3*77)	231	235	232	0	1.17	49	1.17	0.01
	Bairasuli HPS(3*60)	180	179	183	62	0.27	11	2.72	-2.45
	Salal-HPS (6*115)	690	317	445	256	7.92	330	7.61	0.31
	Tanakpur-HPS (3*40)	94	17	16	16	0.39	16	0.40	-0.01
	Uri-I HPS (4*120)	480	464	474	471	11.25	469	11.13	0.12
	Uri-II HPS (4*60)	240	225	228	229	5.43	226	5.39	0.04
	Dhauliganga-HPS (4*70)	280	210	216	0	0.73	30	0.62	0.10
	Dulhasi-HPS (3*130)	390	387	408	0	3.54	147	3.38	0.15
	Sewa-II HPS (3*40)	120	119	122	119	2.86	119	2.85	0.01
	Parbati 3 (4*130)	520	138	265	0	0.61	26	0.58	0.04
Sub Total (C)	4065	3125	3431	1152	41	1692	42	-1	
D.SJVNL	NJPC (6*250)	1500	1350	1278	0	6.51	271	6.58	-0.08
	Rampur HEP (6*68.67)	412	375	375	0	1.85	77	1.84	0.01
	Sub Total (D)	1912	1725	1653	0	8.36	348	8.42	-0.06
E. THDC	Tehri HPS (4*250)	1000	628	636	0	5.83	243	5.70	0.13
	Koteswar HPS (4*100)	400	114	298	89	2.72	113	2.73	-0.01
	Sub Total (E)	1400	742	934	89	8.54	356	8.43	0.11
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	448	943	357	10.69	446	10.74	-0.05
	Dehar HPS (6*165)	990	197	660	0	4.83	201	4.73	0.10
	Pong HPS (6*66)	396	50	165	0	1.10	46	1.21	-0.11
	Sub Total (F)	2765	695	1768	357	16.62	693	16.68	-0.05
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.46	19	0.44	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	625	0	3.38	141	3.58	-0.20
	Malana Stg-II HPS (2*50)	100	0	0	0	0.28	12	0.26	0.02
	Shree Cement TPS (2*150)	300	0	297	297	6.42	267	6.44	-0.02
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.21	9	0.21	0.00
	Sub Total (G)	1662	0	922	297	10.75	448	10.92	-0.18
H. Total Regional Entities (A-G)	25237	18318	17017	9550	260.59	10858	263.79	-3.20	

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	157	3.54	147	
	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	-0.08	-3	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	330	330	8.16	340	
	Talwandi Saboo (2*660)	1320	308	308	7.88	328	
	Thermal (Total)	5360	798	795	19.49	812	
	Total Hydro	1000	325	362	8.36	348	
	Total Punjab	6360	1123	1157	27.85	1160	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	540	457	11.10	463	
Faridabad GPS (NTPC)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	469	372	9.70	404	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4944	1009	829	20.80	867	
Total Hydro		62	6	18	0.28	12	
Total Haryana		5006	1015	847	21.08	878	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	350	352	8.39	350
	suratgarh TPS (6*250)	1500	190	194	4.54	189	
	Chabra TPS (4*250)	1000	560	565	14.03	584	
	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	204	205	5.59	233	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingsar (NLC) (2*125)	250	171	180	4.11	171	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwast LTPS (IPP) (8*135)	1080	530	529	13.18	549	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalsindh Thermal(2*600)	1200	813	813	19.32	805	
	Kawail(Adani) (2*660)	1320	863	860	23.12	963	
	Thermal (Total)	8876	3681	3698	92	3845	
	Total Hydro	550	32	80	1.90	79	
	Wind power	3214	44	961	12.15	506	
	Biomass	99	20	20	0.49	20	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	64	981	12.64	527	
	Total Rajasthan	13469	3777	4759	106.82	4451	
	UP	Anpara TPS (3*210+2*500)	1630	1360	1356	25.70	1071
Obra TPS (2*50+2*94+5*200)		1194	436	421	10.20	425	
Paricha TPS (2*110+2*220+2*250)		1140	918	979	22.90	954	
Panki TPS (2*105)		210	68	68	1.60	67	
Harduaganj TPS (1*60+1*105+2*250)		665	302	307	7.50	313	
Tanda TPS (NTPC) (4*110)		440	378	384	9.24	385	
Roza TPS (IPP) (4*300)		1200	765	900	23.90	996	
Anpara-C (IPP) (2*600)		1200	1080	1076	25.70	1071	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0	
Anpara-D(2*500)		500	324	314	6.60	275	
Lalitpur TPS(2*660)		1320	303	313	8.10	338	
Bara(2*660)		1320	0	0	0.00	0	
Thermal (Total)		11269	5934	6118	141	5893	
Vishnuparyag HPS (IPP)(4*110)		440	65	65	1.60	67	
Alakananda(4*82.5)		330	0	71	0.90	38	
Other Hydro		527	27	2	1.80	75	
Cogeneration		981	600	600	14.40	600	
Total UP		13547	6626	6856	160	6673	
Uttarakhand		Total Hydro	1398	456	186	8.14	339
		Total Uttarakhand	1398	456	186	8.14	339
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	36	37	0.91	38	
	Pragati Gas Turbine (2x104+ 1x122)	330	0	0	0.00	0	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	0	0	0.00	0	
	Badarpur TPS (NTPC) (3*95+2*210)	705	161	161	3.42	142	
	Thermal (Total)	2917	197	198	4.33	180	
	Total Delhi	2917	197	198	4.33	180	
HP	Baspa HPS (IPP) (3*100)	300	39	0	0.75	31	
	Malana HPS (IPP) (2*43)	86	0	0	0.30	13	
	Other Hydro	878	280	208	6.37	266	
	Total HP	1264	319	208	7.42	309	
J & K	Baqilhar HPS (IPP) (3*150)	450	290	290	6.96	290	
	Other Hydro/IPP	560	160	79	3.06	127	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	450	369	10.02	417	
Total State Control Area Generation		45161	13963	14580	345.79	14408	
J. Net Inter Regional Exchange (Import +ve)Export -ve)			4718	6606	148.66	6194	
Total Regional Availability(Gross)		70398	35698	30736	755.03	31460	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9061	1598	80.55	3356
State Control Area Hydro	6581	1680	1361	40	1684
Total Regional Hydro	18815	10741	2959	120.96	5040

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)	-150	-150	0	150	0.00	3.63	-3.63
765 KV Gwalior-Agra (D/C)	1948	2576	3067	0	58.15	0.00	58.15
400 KV Zarda-Kankroli	-50	-220	0	306	0.00	3.84	-3.84
400 KV Zarda-Bhimmal	-60	-194	28	314	0.00	2.63	-2.63
220 KV Auraiya-Malanpur	-24	-14	0	30	0.00	0.08	-0.08
220 KV Badod-Kota/Morak	-36	-45	34	52	0.00	0.52	-0.52
Mundra-Mohinderghar(HVDC Bipole)	2003	2497	2506	0	52.58	0.00	52.58
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	582	848	494	0	18.91	0.00	18.91
Sub Total WR	4213	5298			129.64	10.70	118.94
Pusaali Bypass/HVDC	400	400	400	0	8.81	0.00	8.81
400 KV MZP- GKP (D/C)	-478	-232	0	478	0.00	6.98	-6.98
400 KV Patna-Balia(D/C) X 2	184	247	605	0	8.91	0.00	8.91
400 KV B Sharif-Balia (D/C)	-202	-200	0	202	0.00	2.52	-2.52
765 KV Gaya-Balia	93	609	241	0	2.32	0.00	2.32
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	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-13	-28	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	-351	-164	0	351	0.00	3.32	-3.32
400 KV Barh -GKP (D/C)	386	450	546	0	10.55	0.00	10.55
Sub Total ER	19	822			31.56	13.44	18.12
+/- 800 KV BiswanathCharialli-Agra	486	486	486	0	11.59	0.00	11.59
Sub Total NER	486	486			11.59	0.00	11.59
Total IR Exch	4718	6606			172.79	24.13	148.66

V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
31.30	0.11	31.42	1.23	-8.41	-1.25	6.20	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
31.41	116.36	147.77	29.71	118.94	148.66	-1.69	2.58	0.89

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	-30	-31	0	33	0	1	-0.67

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	0.56	30.13	64.63	23.90	10.09	0.88	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)		
50.26	19.06	49.86	6.32	50.03	0.043	0.058	50.28	50.02	35.37

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	17:16	399	19:51	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	414	03:45	397	18:59	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	03:59	403	12:17	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	03:59	403	19:09	0.0	0.0	0.0	0.0	0.0
Dadri	400	427	04:01	408	19:18	0.0	0.0	52.6	0.0	52.6
Balabgarh	400	433	04:01	412	19:11	0.0	0.0	77.4	12.6	77.4
Bawana	400	429	01:56	409	19:12	0.0	0.0	60.5	0.0	60.5
Bassi	400	427	16:02	406	22:19	0.0	0.0	39.9	0.0	39.9
Hissar	400	423	01:54	404	19:12	0.0	0.0	16.2	0.0	16.2
Moga	400	421	01:34	400	19:18	0.0	0.0	1.4	0.0	1.4
Abdullapur	400	429	02:51	401	19:19	0.0	0.0	28.3	0.0	28.3
Nalagarh	400	436	16:01	412	19:17	0.0	0.0	88.8	32.0	88.8
Kishenpur	400	426	02:53	403	19:06	0.0	0.0	23.5	0.0	23.5
Wagoora	400	404	03:43	378	19:40	2.2	27.1	0.0	0.0	2.2
Amritsar	400	430	01:33	408	19:04	0.0	0.0	47.1	0.0	47.1
Kashipur	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	428	03:45	408	19:03	0.0	0.0	81.2	0.0	81.2
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	778	17:03	738	18:59	0.0	0.8	0.0	0.0	0.0
Balia	765	767	03:46	739	18:58	0.0	0.8	0.0	0.0	0.0
Moga	765	800	01:54	763	19:18	0.0	0.0	0.0	0.0	0.0
Agra	765	796	16:01	758	20:46	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	807	16:00	778	19:06	0.0	0.0	33.2	0.0	33.2
Unnao	765	766	08:53	739	20:37	0.0	5.7	0.0	0.0	0.0
Lucknow	765	784	17:03	756	18:58	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	00:59	769	19:10	0.0	0.0	17.6	0.0	17.6
Jhatikara	765	812	16:02	776	19:07	0.0	0.0	43.9	0.0	43.9
Bareilly 765 kV	765	789	17:03	759	12:26	0.0	0.0	0.0	0.0	0.0
Anta	765	784	16:01	765	22:58	0.0	0.0	0.0	0.0	0.0
Phagi	765	794	15:59	757	22:58	0.0	0.0	0.0	0.0	0.0

Note : "0" in Max / Min Col -> Telemetry Outage

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	481.68	495.33	408.47	468.02	201.62	335.92
Pong	426.72	384.05	396.82	157.28	402.37	273.51	74.11	68.31
Tehri	829.79	740.04	758.10	105.63	775.75	268.00	50.00	196.00
Koteswar	612.50	598.50	611.01	5.07	611.20	5.20	196.00	178.98
Chamera-I	760.00	748.75	755.45	0.00	0.00	0.00	127.33	116.77
Rihand	268.22	252.98	844.00	174.00	846.00	176.00	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	496.96	5.80	507.72	3.50	143.32	218.12

* 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	5	45	0	-602	57	0	-2.10	1.33	-0.77
Delhi	-71	-50	0	-631	306	0	-15.78	3.71	-12.08
Haryana	-167	-337	0	-192	65	0	-5.29	0.38	-4.91
HP	30	33	0	82	-650	0	2.44	-6.60	-4.15
J&K	397	-10	0	311	39	0	7.85	-0.59	7.26
CHD	0	-15	0	0	-20	0	0.00	-0.27	-0.27
Rajasthan	-7	312	0	-7	269	0	0.60	6.36	6.97
UP	124	679	0	193	679	0	0.70	7.43	8.12
Uttarakhand	194	-51	0	194	49	0	4.82	-0.34	4.49
Total	-135	607	0	-652	794	0	-6.76	11.40	4.65

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	5	-602	100	14	0	0
Delhi	-622	-757	306	-105	0	0
Haryana	-167	-394	155	-416	0	0
HP	192	-13	33	-972	0	0
J&K	397	210	39	-238	0	0
CHD	0	0	0	-51	0	0
Rajasthan	186	-7	312	-144	0	0
UP	260	-118	777	0	0	0
Uttarakhand	223	194	58	-357	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 24.03.2016 :

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
0.00

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :