

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 27.03.2016
Date of Reporting : 28.03.2016



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
32740	662	33402	49.99	30168	613	30782	50.04	776.1	34.95

* 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	30.36	5.73		36.09	62.14	62.36	0.22	98.45	0.00
Haryana	18.97	0.27		19.25	81.90	81.64	-0.26	100.89	0.00
Rajasthan	94.31	2.01	8.82	105.13	62.60	65.19	2.59	170.32	0.00
Delhi	4.35			4.35	53.89	54.25	0.36	58.60	0.00
UP	140.04	3.50		143.54	102.93	105.71	2.78	249.25	24.41
Uttarakhand		9.15		9.15	20.23	21.84	1.61	30.99	0.13
HP		7.03		7.03	13.62	13.59	-0.04	20.62	0.00
J & K		10.61	0.00	10.61	29.05	33.40	4.35	44.01	10.41
Chandigarh				0.00	2.97	2.95	0.27	2.95	0.00
Total	288.03	38.30	8.82	335.15	429.34	440.94	11.89	776.08	34.95

* 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	3683	0	-133	-328	3182	0	-4	216	4310
Haryana	4891	0	-370	73	3227	0	-122	-82	5516
Rajasthan	6422	0	88	575	7034	0	-91	579	7675
Delhi	2644	35	-123	-102	1988	1	54	-733	2946
UP	10416	85	73	234	11187	335	391	140	11276
Uttarakhand	1476	0	37	343	1161	0	139	234	1501
HP	885	0	-37	-400	726	0	38	56	1157
J&K	2168	542	405	348	1572	277	28	397	2177
Chandigarh	154	0	7	-51	91	0	-2	-10	159
Total	32740	662	-53	693	30168	613	431	796	35809

* 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 (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	1726	1961	1830	41.55	1731	41.40	0.15
	Rihand I STPS (2*500)	1000	566	435	778	13.73	572	13.38	0.34
	Rihand II STPS (2*500)	1000	946	1043	1028	22.56	940	21.97	0.59
	Rihand III STPS (2*500)	1000	946	1018	1019	22.55	939	22.36	0.18
	Dadri I STPS (4*210)	840	815	288	388	7.91	329	8.19	-0.29
	Dadri II STPS (2*490)	980	980	461	458	10.87	453	11.40	-0.54
	Unchahar I TPS (2*210)	420	350	385	295	7.42	309	7.47	-0.05
	Unchahar II TPS (2*210)	420	404	439	314	7.82	326	7.90	-0.08
	Unchahar III TPS (1*210)	210	202	209	163	3.96	165	4.01	-0.05
	ISTPP (Jhajjar) (3*500)	1500	950	432	324	8.76	365	9.03	-0.27
	Dadri GPS (4*130 19+2*154.51)	830	800	184	192	4.40	183	4.60	-0.20
	Anta GPS (3*88.71+1*153.2)	419	410	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	0.00	0	0.02	-0.02
	Unchahar Solar(10)	10	1	0	0	0.01	0	0.02	-0.01
	Singrauli Solar(15)	15	2	0	0	0.03	1	0.04	0.00
	KHEP(4*200)	800	655	652	0	2.16	90	2.00	0.16
Sub Total (A)	12112	10406	7508	6789	6405	154	154	0	
B. NPC	NAPS (2*220)	440	432	443	442	9.69	404	9.89	-0.20
	RAPS- B (2*220)	440	375	419	426	9.09	379	9.00	0.09
	RAPS- C (2*220)	440	415	446	446	9.86	403	9.96	-0.30
	Sub Total (B)	1320	1222	1308	1316	28.45	1185	28.85	-0.41
C. NHPC	Chamera I HPS (3*180)	540	534	546	0	2.51	105	2.36	0.16
	Chamera II HPS (3*100)	300	300	308	0	2.51	105	2.26	0.25
	Chamera III HPS (3*77)	231	235	230	0	1.39	58	1.31	0.08
	Bairasuli HPS(3*60)	180	179	186	60	0.33	14	3.16	-2.83
	Salal-HPS (6*115)	690	321	475	408	8.65	361	7.70	0.95
	Tanakpur-HPS (3*40)	94	16	24	14	0.00	0	0.38	-0.38
	Uri-I HPS (4*120)	480	452	473	470	11.01	459	10.86	0.15
	Uri-II HPS (4*60)	240	218	224	220	5.28	220	5.24	0.04
	Dhauliganga-HPS (4*70)	280	280	218	0	0.96	40	0.87	0.09
	Dulhasi-HPS (3*130)	390	387	406	0	4.19	175	3.98	0.21
	Sewa-II HPS (3*40)	120	119	126	125	2.99	125	2.86	0.13
	Parbati 3 (4*130)	520	146	264	0	0.83	34	0.78	0.05
Sub Total (C)	4065	3188	3479	1298	41	1694	42	-1	
D.SJVNL	NJPC (6*250)	1500	1350	1324	0	7.17	299	7.04	0.13
	Rampur HEP (6*68.67)	412	375	375	0	2.04	85	1.96	0.08
	Sub Total (D)	1912	1725	1699	0	9.21	384	9.00	0.21
E. THDC	Tehri HPS (4*250)	1000	465	465	0	5.43	226	5.40	0.03
	Koteswar HPS (4*100)	400	114	301	92	2.78	116	2.73	0.05
	Sub Total (E)	1400	579	766	92	8.21	342	8.13	0.08
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	508	951	375	12.47	520	12.19	0.28
	Dehar HPS (6*165)	990	311	660	165	7.50	312	7.46	0.04
	Pong HPS (6*66)	396	76	220	0	1.73	72	1.83	-0.10
	Sub Total (F)	2765	895	1831	540	21.69	904	21.48	0.22
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	67	0.60	25	0.58	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	0.35	15	0.33	0.02
	Shree Cement TPS (2*150)	300	0	297	300	7.10	296	7.11	-0.02
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
	Sub Total (G)	1662	0	922	367	11.43	476	11.86	-0.43
H. Total Regional Entities (A-G)	25237	18014	17513	10401	273.37	11390	274.89	-1.52	

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	3.77	157	
	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	-0.11	-5	
	Goindwal(GVK)		0	0	5.28	220	
	Rajpura (2*700)	1400	560	330	11.65	485	
	Talwandi Saboo (2*660)	1320	358	308	9.79	408	
	Thermal (Total)	5360	1078	798	30.36	1265	
	Total Hydro	1000	159	318	5.73	239	
	Total Punjab	6360	1237	1116	36.09	1504	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	177	0	1.51	63
DCRTPP (Yamuna nagar) (2*300)		600	547	485	12.27	511	
Faridabad GPS (NTPC)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	0	382	5.19	216	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4944	724	867	18.97	791	
Total Hydro		62	8	14	0.27	11	
Total Haryana		5006	730	881	19.25	802	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	348	351	8.67	361
	suratgarh TPS (6*250)	1500	195	193	4.88	203	
	Chabra TPS (4*250)	1000	655	571	15.44	643	
	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	201	217	5.24	218	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingar (NLC) (2*125)	250	157	159	3.62	151	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwast LTPS (IPP) (8*135)	1080	662	584	18.00	750	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalsindh Thermal(2*600)	1200	873	820	24.05	1002	
	Kawai(Adani) (2*660)	1320	490	616	14.40	600	
	Thermal (Total)	8876	3581	3511	94	3929	
	Total Hydro	550	60	59	2.01	84	
	Wind power	3214	104	1010	8.40	350	
	Biomass	99	17	17	0.40	17	
	Solar	730	0	0	0.02	1	
	Renewable/Others (Total)	4043	121	1027	8.82	367	
	Total Rajasthan	13469	3762	4597	105.13	4380	
	UP	Anpara TPS (3*210+2*500)	1630	1068	1054	25.80	1075
Obra TPS (2*50+2*94+5*200)		1194	432	387	9.10	379	
Paricha TPS (2*110+2*220+2*250)		1140	936	959	22.00	917	
Panki TPS (2*105)		210	68	77	1.70	71	
Harduaganj TPS (1*60+1*105+2*250)		665	307	335	7.60	317	
Tanda TPS (NTPC) (4*110)		440	390	385	9.24	385	
Roza TPS (IPP) (4*300)		1200	572	819	18.00	750	
Anpara-C (IPP) (2*600)		1200	1089	1080	25.80	1075	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0	
Anpara-D(2*500)		500	302	269	6.40	267	
Lalitpur TPS(2*660)		1320	0	0	0.00	0	
Bara(2*660)		1320	0	0	0.00	0	
Thermal (Total)		11269	5164	5365	126	5235	
Vishnuparyag HPS (IPP)(4*110)		440	67	62	1.60	67	
Alakananda(4*82.5)		330	0	80	1.10	46	
Other Hydro		527	10	51	0.80	33	
Cogeneration		981	600	600	14.40	600	
Total UP		13547	5841	6158	144	5981	
Uttarakhand		Total Hydro	1398	503	321	9.15	381
		Total Uttarakhand	1398	503	321	9.15	381
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	37	37	0.92	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	3.43	143	
	Thermal (Total)	2917	198	198	4.35	181	
	Total Delhi	2917	198	198	4.35	181	
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.01	0	
	Malana HPS (IPP) (2*43)	86	0	21	0.00	0	
	Other Hydro	878	314	265	7.02	293	
	Total HP	1264	314	286	7.03	293	
J & K	Baqilhar HPS (IPP) (3*150)	450	440	300	8.18	341	
	Other Hydro/IPP	560	122	72	2.43	101	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	562	372	10.61	442	
Total State Control Area Generation		45161	13146	13929	335.15	13964	
J. Net Inter Regional Exchange (Import +ve)Export (-ve)			5350	6065	175.73	7322	
Total Regional Availability(Gross)		70398	36009	30396	784.24	32677	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9052	1996	86.26	3594
State Control Area Hydro	6581	1681	1563	38	1596
Total Regional Hydro	18815	10733	3560	124.56	5190

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)	100	100	100	0	2.43	0.00	2.43
765 KV Gwalior-Agra (D/C)	2105	2731	3025	0	64.56	0.00	64.56
400 KV Zarda-Kankroli	-24	-171	0	209	0.00	2.55	-2.55
400 KV Zarda-Bhimmal	-16	-142	44	208	0.00	1.37	-1.37
220 KV Auraiya-Malanpur	-25	-1	0	39	0.00	0.22	-0.22
220 KV Badod-Kota/Morak	16	-24	85	24	0.64	0.00	0.64
Mundra-Mohinderghar(HVDC Bipole)	2502	2498	2508	0	60.46	0.00	60.46
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kv Phagi-Gwalior (D/C)	911	973	1156	0	24.52	0.00	24.52
Sub Total WR	5569	5964			152.60	4.14	148.46
Pusaali Bypass/HVDC	400	400	400	0	9.23	0.00	9.23
400 KV MZP- GKP (D/C)	490	290	0	490	0.00	7.60	-7.60
400 KV Patna-Balia(D/C) X 2	153	387	456	0	7.50	0.00	7.50
400 KV B Sharif-Balia (D/C)	-172	-17	0	243	0.00	1.01	-1.01
765 KV Gaya-Balia	102	226	320	0	2.74	0.00	2.74
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	0.00	0.00	0.00
132 KV Son Ngr-Rihand	0	-23	27	33	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-310	-242	0	310	0.00	4.65	-4.65
400 KV Barh -GKP (D/C)	-398	-436	458	0	9.89	0.00	9.89
Sub Total ER	265	585			29.36	13.80	15.56
+/- 800 KV BiswanathCharialli-Agra	-484	-484	484	0	11.70	0.00	11.70
Sub Total NER	-484	-484			11.70	0.00	11.70
Total IR Exch	5350	6065			193.67	17.94	175.73

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
34.15	0.15	34.30	1.77	-7.50	0.73	22.10	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
36.80	138.48	175.28	27.26	148.46	175.73	-9.53	9.98	0.45

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 - Mahendnagar	-27	-32	0	34	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	0.94	13.23	63.11	73.30	10.46	2.96	0.08	0.00

Frequency (Hz)				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
50.21	18.01	49.75	14.24	49.97	0.056	0.070	50.16	49.88	26.70

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	15:05	400	19:16	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	09:01	406	05:08	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	18:00	401	11:37	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	16:03	404	19:11	0.0	0.0	0.0	0.0	0.0
Dadri	400	423	02:03	403	11:35	0.0	0.0	13.8	0.0	13.8
Balabgarh	400	428	01:56	408	11:35	0.0	0.0	61.2	0.0	61.2
Bawana	400	428	02:03	405	11:37	0.0	0.0	54.4	0.0	54.4
Bassi	400	425	18:00	402	19:18	0.0	0.0	4.1	0.0	4.1
Hissar	400	423	02:13	397	11:36	0.0	0.0	3.7	0.0	3.7
Moga	400	416	16:03	396	11:36	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	426	02:12	404	11:36	0.0	0.0	34.8	0.0	34.8
Nalagarh	400	433	02:04	404	11:36	0.0	0.0	58.1	8.8	58.1
Kishenpur	400	425	01:56	398	19:13	0.0	0.0	22.7	0.0	22.7
Wagoora	400	409	13:21	371	19:28	9.3	35.7	0.0	0.0	9.3
Amritsar	400	426	02:03	398	11:36	0.0	0.0	19.2	0.0	19.2
Kashipur	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	425	01:59	395	11:40	0.0	0.0	29.5	0.0	29.5
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	766	16:02	740	19:23	0.0	0.8	0.0	0.0	0.0
Balia	765	771	09:10	749	19:12	0.0	0.0	0.0	0.0	0.0
Moga	765	794	16:03	752	11:37	0.0	0.0	0.0	0.0	0.0
Agra	765	787	18:15	749	11:37	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	02:11	768	19:20	30.6	30.6	4.2	0.0	34.8
Unnao	765	763	18:04	745	11:37	0.0	0.0	0.0	0.0	0.0
Lucknow	765	782	16:03	763	11:37	0.0	0.0	0.0	0.0	0.0
Meerut	765	810	18:02	758	11:39	0.0	0.0	10.0	0.0	10.0
Jhatikara	765	806	18:01	766	11:38	0.0	0.0	18.9	0.0	18.9
Bareilly 765 kV	765	786	18:00	757	11:37	0.0	0.0	0.0	0.0	0.0
Anta	765	780	17:59	762	11:38	0.0	0.0	0.0	0.0	0.0
Phagi	765	791	18:02	759	11:33	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	481.13	481.64	480.38	468.02	196.97	390.94
Pong	426.72	384.05	396.75	157.28	402.54	281.22	66.43	135.64
Tehri	829.79	740.04	756.15	92.19	774.85	262.80	41.20	189.00
Koteswar	612.50	598.50	611.25	5.20	611.20	5.20	189.00	182.94
Chamera-I	760.00	748.75	756.35	0.00	0.00	0.00	126.11	69.82
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1139.00	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	496.22	2.10	508.50	3.42	124.64	247.61

* 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	210	0	-602	274	0	-2.10	6.78	4.68
Delhi	-701	-32	0	-600	498	0	-15.26	7.44	-7.82
Haryana	-163	81	0	-176	249	0	-5.14	3.10	-2.04
HP	30	26	0	132	-532	0	3.34	-3.26	0.08
J&K	397	0	0	274	74	0	7.61	-0.49	7.12
CHD	0	-10	0	0	-51	0	0.00	-0.42	-0.42
Rajasthan	-11	590	0	-7	582	0	0.57	13.83	14.40
UP	140	0	0	234	0	0	1.56	0.00	1.56
Uttarakhand	194	40	0	194	149	0	4.65	2.43	7.08
Total	-109	905	0	-551	1244	0	-4.77	29.40	24.63

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	5	-602	352	208	0	0
Delhi	-571	-701	637	-38	0	0
Haryana	-163	-391	283	-225	0	0
HP	242	30	36	-852	0	0
J&K	397	143	74	-202	0	0
CHD	0	0	0	-80	0	0
Rajasthan	185	-11	591	351	0	0
UP	336	-68	0	0	0	0
Uttarakhand	194	194	257	40	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	1.39%

(iii)%age of times Anqular 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 27.03.2016 :

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 :