

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(सर्वसंश्लेषित की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO1188682

Power Supply Position in Northern Region for 17.03.2016

Date of Reporting : 18.03.2016



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
35245	1185	36430	50.09	30421	643	31064	49.89	787.2	36.55

* 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	23.00	4.07		27.08	52.68	54.52	1.84	81.59	0.00
Haryana	25.99	0.42		26.40	75.68	77.37	1.69	103.77	0.17
Rajasthan	115.33	4.15	17.07	136.54	54.64	54.20	-0.44	190.75	0.00
Delhi	10.27			10.27	49.52	49.29	-0.23	59.57	0.07
UP	128.14	3.09		131.23	104.25	116.11	11.87	247.34	26.55
Uttarakhand	8.61	8.61		8.61	21.71	24.72	3.01	33.33	0.00
HP		6.20		6.20	16.77	19.63	2.86	25.83	0.00
J & K		9.76	0.00	9.76	31.31	31.91	0.60	41.67	9.76
Chandigarh				0.00	3.12	3.32	0.27	3.32	0.00
Total	302.72	36.30	17.07	356.09	409.68	431.07	21.47	787.16	36.55

* 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	3675	0	-34	-774	2694	0	-65	164	3902
Haryana	5288	17	32	117	3256	0	96	-266	5592
Rajasthan	7138	0	-470	176	8352	0	141	444	8993
Delhi	2801	5	-270	-433	1743	0	135	-985	3122
UP	11405	675	970	448	10914	385	546	717	11687
Uttarakhand	1666	0	147	372	1123	0	45	272	1715
HP	1148	0	-53	135	786	0	133	211	1402
J&K	1950	488	99	395	1464	258	-76	392	1977
Chandigarh	175	0	-5	-25	89	0	6	-10	184
Total	35245	1185	416	409	30421	643	961	939	37055

* 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	1892	2028	45.17	1882	45.06	0.10
	Rihand I STPS (2*500)	1000	790	804	738	17.55	731	17.23	0.31
	Rihand II STPS (2*500)	1000	948	992	774	21.46	894	20.96	0.49
	Rihand III STPS (2*500)	1000	948	1033	983	20.64	860	22.15	-1.51
	Dadri I STPS (4*210)	840	815	355	279	7.40	308	7.56	-0.16
	Dadri II STPS (2*490)	980	980	790	674	16.78	699	17.39	-0.61
	Unchahar I TPS (2*210)	420	350	362	277	7.11	296	7.18	-0.07
	Unchahar II TPS (2*210)	420	404	393	298	7.64	318	7.57	0.07
	Unchahar III TPS (1*210)	210	202	198	153	3.70	154	3.75	-0.05
	ISTPP (Jhajjihar) (3*500)	1500	950	304	304	7.24	302	7.72	-0.48
	Dadri GPS (4*130.19+2*154.51)	830	600	0	0	0.00	0	0.00	0.00
	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	0.02	1	0.02	-0.01
	Unchahar Solar(10)	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar(15)	15	3	0	0	0.08	3	0.08	0.00
	KHEP(4*200)	800	655	654	0	2.65	111	2.50	0.15
Sub Total (A)	12112	10446	7778	6509	157	6561	159	-2	
B. NPC	NAPS (2*220)	440	408	440	452	9.72	405	9.79	-0.07
	RAPS- B (2*220)	440	382	416	429	9.13	380	9.17	-0.04
	RAPS- C (2*220)	440	418	443	451	9.68	403	10.03	-0.35
	Sub Total (B)	1320	1208	1299	1332	28.53	1169	28.99	-0.47
C. NHPC	Chamera I HPS (3*180)	540	534	537	0	3.28	136	3.10	0.18
	Chamera II HPS (3*100)	300	300	304	0	2.15	89	2.03	0.12
	Chamera III HPS (3*77)	231	235	229	0	1.08	45	0.99	0.09
	Bairasuli HPS(3*60)	180	182	183	16	2.61	109	2.46	0.16
	Salal-HPS (6*115)	690	377	555	345	10.16	423	9.13	1.03
	Tanakpur-HPS (3*40)	94	16	22	14	0.46	19	0.38	0.08
	Uri-I HPS (4*120)	480	450	462	471	11.00	458	10.71	0.29
	Uri-II HPS (4*60)	240	232	240	181	5.60	233	5.57	0.03
	Dhauliganga-HPS (4*70)	280	210	224	0	0.80	34	0.70	0.10
	Dulhasi-HPS (3*130)	390	387	399	0	3.91	163	3.58	0.33
	Sewa-II HPS (3*40)	120	119	125	124	2.97	124	2.86	0.11
	Parbati 3 (4*130)	520	134	210	0	0.53	22	0.49	0.04
	Sub Total (C)	4065	3176	3489	1151	45	1856	42	3
D.SJVNL	NJPC (6*250)	1500	1350	1350	0	6.95	290	6.85	0.10
	Rampur HEP (6*68.67)	412	442	377	0	1.94	81	1.91	0.02
	Sub Total (D)	1912	1792	1727	0	8.89	370	8.77	0.12
E. THDC	Tehri HPS (4*250)	1000	495	497	0	5.69	237	5.60	0.09
	Koteshwar HPS (4*100)	400	114	302	91	2.79	116	2.73	0.06
	Sub Total (E)	1400	609	799	91	8.48	353	8.33	0.15
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	429	883	325	10.14	422	10.30	-0.16
	Dehar HPS (6*165)	990	165	495	0	4.13	172	3.96	0.17
	Pong HPS (6*66)	396	121	220	55	2.86	119	2.92	-0.06
	Sub Total (F)	2765	716	1598	380	17.13	714	17.17	-0.05
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.42	18	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	0.21	9	0.19	0.01
	Shree Cement TPS (2*150)	300	0	295	297	7.07	295	7.12	-0.05
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	920	297	11.22	467	11.70	-0.48
H. Total Regional Entities (A-G)	25237	17946	17611	9760	276.23	11509	276.14	0.08	

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	160	160	3.61	150	
	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	0.00	0	
	Goindwal(GVK)		0	0	0.57	24	
	Rajpura (2*700)	1400	1060	660	19.09	795	
	Talwandi Saboo (2*660)	1320	0	0	-0.24	-10	
	Thermal (Total)	5360	1220	820	23.00	958	
	Total Hydro	1000	179	149	4.07	170	
	Total Punjab	6360	1399	969	27.08	1128	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	554	459	11.54	481	
Faridabad GPS (NTPC)		432	195	160	4.32	180	
RGTPP (Khedari) (IPP) (2*600)		1200	389	389	10.13	422	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4944	1138	1008	25.99	1083	
Total Hydro		62	14	16	0.42	17	
Total Haryana		5006	1152	1024	26.40	1100	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	690	684	16.98	708
	suratgarh TPS (6*250)	1500	384	389	9.33	389	
	Chabra TPS (4*250)	1000	573	555	13.93	580	
	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	188	218	4.96	207	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingar (NLC) (2*125)	250	95	89	2.07	86	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwast LTPS (IPP) (8*135)	1080	592	847	18.57	774	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalsindh Thermal(2*600)	1200	951	1135	23.04	960	
	Kawail(Adani) (2*660)	1320	939	1055	26.45	1102	
	Thermal (Total)	8876	4412	4972	115	4805	
	Total Hydro	550	181	149	4.15	173	
	Wind power	3214	524	771	16.59	691	
	Biomass	99	20	20	0.47	20	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	544	791	17.07	711	
	Total Rajasthan	13469	5137	5912	136.54	5689	
	UP	Anpara TPS (3*210+2*500)	1630	1218	1239	29.47	1228
Obra TPS (2*50+2*94+5*200)		1194	315	419	8.30	346	
Paricha TPS (2*110+2*220+2*250)		1140	794	779	17.10	713	
Panki TPS (2*105)		210	0	68	0.70	29	
Harduaganj TPS (1*60+1*105+2*250)		665	316	305	7.00	292	
Tanda TPS (NTPC) (4*110)		440	386	380	8.13	339	
Roza TPS (IPP) (4*300)		1200	554	378	11.89	495	
Anpara-C (IPP) (2*600)		1200	1080	1089	23.30	971	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0	
Anpara-D(2*500)		500	104	284	5.45	227	
Lalitpur TPS(2*660)		1320	0	0	0.00	0	
Bara(2*660)		1320	0	0	0.00	0	
Thermal (Total)		11269	4767	4941	111	4639	
Vishnuparyag HPS (IPP)(4*110)		440	62	64	1.51	63	
Alakananda(4*82.5)		330	62	62	1.00	42	
Other Hydro		527	44	2	0.58	24	
Cogeneration		981	700	700	16.80	700	
Total UP		13547	5635	5769	131	5468	
Uttarakhand		Total Hydro	1398	434	296	8.61	359
		Total Uttarakhand	1398	434	296	8.61	359
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1	
	Delhi Gas Turbine (6x30 + 3x34)	282	41	42	0.89	37	
	Pragati Gas Turbine (2x104+ 1x122)	330	0	0	-0.01	0	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	255	252	6.04	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	161	161	3.37	140	
	Thermal (Total)	2917	457	455	10.27	428	
	Total Delhi	2917	457	455	10.27	428	
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.79	33	
	Malana HPS (IPP) (2*43)	86	0	0	0.21	9	
	Other Hydro	878	219	181	5.20	217	
	Total HP	1264	219	181	6.20	258	
J & K	Baqilhar HPS (IPP) (3*150)	450	229	229	6.70	279	
	Other Hydro/IPP	560	160	79	3.06	127	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	389	308	9.76	407	
Total State Control Area Generation		45161	14822	14914	356.09	14837	
J. Net Inter Regional Exchange (Import +ve)/Export (-ve)			6751	7256	172.35	7181	
Total Regional Availability(Gross)		70398	39184	31930	804.67	33528	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8892	1622	85.69	3570
State Control Area Hydro	6581	1584	1227	36	1513
Total Regional Hydro	18815	10476	2849	121.99	5083

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)	250	100	250	200	2.74	0.25	2.49
765 KV Gwalior-Agra (D/C)	2729	2859	3320	0	72.03	0.00	72.03
400 KV Zarda-Kankroli	-172	-224	0	250	0.00	4.32	-4.32
400 KV Zarda-Bhimmal	-58	-182	0	226	0.00	3.22	-3.22
220 KV Auraiya-Malanpur	-5	0	0	24	0.39	0.00	0.39
220 KV Badod-Kota/Morak	-28	-9	43	29	0.00	0.07	-0.07
Mundra-Mohinderghar(HVDC Bipole)	2497	2498	2513	0	60.45	0.00	60.45
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kv Phagi-Gwalior (D/C)	881	1019	628	0	24.67	0.00	24.67
Sub Total WR	6094	6061			160.28	7.85	152.43
Pusaali Bypass/HVDC	400	400	400	0	9.14	0.00	9.14
400 KV MZP- GKP (D/C)	235	58	0	345	0.00	3.73	-3.73
400 KV Patna-Balia(D/C) X 2	423	629	724	0	14.27	0.00	14.27
400 KV B Sharif-Balia (D/C)	-88	-62	75	164	0.00	1.44	-1.44
765 KV Gaya-Balia	0	205	233	0	1.50	0.00	1.50
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	-26	-22	0	3	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-239	-57	127	239	0.00	0.45	-0.45
400 KV Barh -GKP (D/C)	452	544	576	0	12.27	0.00	12.27
Sub Total ER	1157	1695			38.14	6.18	31.96
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500	0.00	12.04	-12.04
Sub Total NER	-500	-500			0.00	12.04	-12.04
Total IR Exch	6751	7256			198.42	26.07	172.35

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
29.91	0.16	30.07	0.32	-7.53	0.03	26.93	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
30.42	141.19	171.61	19.92	152.43	172.35	-10.50	11.24	0.74

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	-29	-31	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	0.76	11.82	59.48	73.56	11.71	2.94	0.00	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)	
Freq	Time	Freq	Time	Hz					
50.19	13.04	49.76	19.10	49.98	0.049	0.067	50.20	49.92	26.44

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	00:01	398	06:23	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	13:06	404	19:07	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	417	21:30	401	19:09	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	13:05	399	19:10	0.0	0.0	0.0	0.0	0.0
Dadri	400	425	02:10	404	19:06	0.1	0.1	17.2	0.0	17.3
Balabgarh	400	429	03:58	409	12:21	0.0	0.0	33.2	0.0	33.2
Bawana	400	428	02:00	407	19:07	0.0	0.0	33.1	0.0	33.1
Bassi	400	421	05:01	400	22:20	0.0	0.0	0.1	0.0	0.1
Hissar	400	424	21:14	404	19:11	0.0	0.0	12.4	0.0	12.4
Moga	400	424	04:00	404	19:05	0.0	0.0	12.5	0.0	12.5
Abdullapur	400	428	02:08	403	19:07	0.0	0.0	39.5	0.0	39.5
Nalagarh	400	436	02:08	412	18:47	0.0	0.0	80.5	19.8	80.5
Kishenpur	400	427	04:00	398	19:09	0.0	0.0	16.2	0.0	16.2
Wagoora	400	404	03:59	370	19:07	20.9	63.4	0.0	0.0	20.9
Amritsar	400	430	02:08	407	19:07	0.0	0.0	35.2	0.0	35.2
Kashipur	400	418	10:58	416	10:20	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	429	04:03	411	17:53	0.0	0.0	11.6	0.0	11.6
Rishikesh	400	406	10:59	402	10:20	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	760	13:08	732	19:10	0.0	15.6	0.0	0.0	0.0
Balia	765	769	13:04	745	19:08	0.0	0.0	0.0	0.0	0.0
Moga	765	806	21:15	772	09:18	0.0	0.0	4.1	0.0	4.1
Agra	765	782	20:59	746	09:18	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	802	20:55	773	12:21	0.0	0.0	4.7	0.0	4.7
Unnao	765	767	21:29	747	19:10	0.0	0.0	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	815	20:55	775	06:10	0.0	0.0	20.7	0.0	20.7
Jhatikara	765	805	02:11	768	19:09	0.0	0.0	13.2	0.0	13.2
Bareilly 765 kV	765	783	21:28	757	19:07	0.0	0.0	0.0	0.0	0.0
Anta	765	776	03:59	758	22:26	0.0	0.0	0.0	0.0	0.0
Phagi	765	782	20:56	756	09:17	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	482.38	519.70	481.05	481.64	178.17	347.82
Pong	426.72	384.05	397.12	162.91	401.83	259.17	50.91	213.76
Tehri	829.79	740.04	762.05	137.27	778.50	300.00	48.89	185.00
Koteshwar	612.50	598.50	0.00	0.00	0.00	0.00	0.00	0.00
Chamera-I	760.00	748.75	752.89	0.00	0.00	0.00	120.80	90.01
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	497.75	0.00	506.64	3.12	110.39	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	158	0	-907	133	0	-3.20	4.54	1.34
Delhi	-814	-171	0	-632	199	0	-16.53	3.05	-13.48
Haryana	-169	-97	0	-198	314	0	-5.38	5.05	-0.33
HP	30	181	0	132	4	0	3.34	1.46	4.80
J&K	402	-10	0	415	-21	0	8.72	-0.88	7.84
CHD	0	-10	0	0	-25	0	0.00	-0.19	-0.19
Rajasthan	-11	453	2	-7	181	2	0.54	7.76	8.30
UP	135	583	0	448	0	0	2.30	8.63	10.93
Uttarakhand	193	79	0	193	179	0	4.75	2.43	7.18
Total	-229	1166	2	-557	963	2	-5.46	31.85	26.39

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	5	-907	300	-299	0	0
Delhi	-624	-814	507	-244	0	0
Haryana	-169	-397	332	-446	0	0
HP	242	30	230	-583	0	0
J&K	415	338	-10	-187	0	0
CHD	0	0	0	-30	0	0
Rajasthan	182	-11	558	-547	2	2
UP	448	-66	777	0	0	0
Uttarakhand	222	193	213	2	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	0.35%
ER	0.00%
Simultaneous	0.00%

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

WR	1.04%
ER	0.00%
Simultaneous	0.35%

(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 17.03.2016 :

Normal

XV. Synchronisation of new generating units :

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

- 01)765 kV G.Noida Bus-I Ist time charged at 1935 hrs on date 17.03.2016 after LILO work of 765 kV Agra - Meerut-S/c.
- 02)765 kV Meerut-G.Noida-s/c Ist time charged at 1935 hrs on date 17.03.2016 after LILO work of 765 kV Agra - Meerut-S/c .
- 03)765 kV G.Noida Bus-II Ist time charged at 1949 hrs on date 17.03.2016 after LILO work of 765 kV Agra - Meerut-S/c.
- 04)765 kV Agra-G.Noida-s/c Ist time charged at 2055 hrs on date 17.03.2016 after LILO work of 765 kV Agra - Meerut-S/c on date.
- 05) Bay no. 413 M/B & 414 T/B of 400 kV Anta Ist time charged at 1921 hrs & 1938 hrs on date 17.03.2016 at Kota end.

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :