

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एकमात्रित की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 10.03.2016

Date of Reporting : 11.03.2016



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
36012	1287	37299	50.03	30892	1729	32621	50.09	819.1	48.05

* Half hourly (two 15 minutes block—one block each before and after the designated time) average frequency

UI [OD:(+ve), UD: (-ve)]

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	41.14	7.09		48.22	53.37	53.28	-0.09	101.50	0.00
Haryana	36.75	0.26		37.01	75.71	74.05	-1.66	111.06	0.00
Rajasthan	129.89	4.38	10.53	144.80	57.35	57.52	0.18	202.32	0.00
Delhi	10.72			10.72	50.63	52.12	1.49	62.84	0.07
UP	127.38	1.68		129.06	107.00	109.54	2.54	238.61	38.38
Uttarakhand		8.13		8.13	23.94	25.97	2.03	34.10	0.00
HP		4.47		4.47	18.78	19.83	1.05	24.30	0.00
J & K		6.19	0.00	6.19	33.82	34.71	0.90	40.91	9.61
Chandigarh				0.00	3.45	3.41	0.27	3.41	0.00
Total	345.88	32.20	10.53	388.61	424.04	430.45	6.71	819.06	48.05

* Shortage furnished by the respective constituent. \$ Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

UI/OA/PX [OD/Import: (+ve), UD/Export: (-ve)]

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	4590	0	-461	-895	3002	0	-51	73	4955
Haryana	5718	0	-203	96	3340	0	111	-222	6077
Rajasthan	7432	0	-389	60	8757	0	80	651	9508
Delhi	3008	0	-69	-487	1770	0	112	-988	3270
UP	10598	855	398	37	10335	1440	390	129	10979
Uttarakhand	1719	0	217	270	1192	0	44	400	1736
HP	1037	0	-13	100	774	0	109	209	1352
J&K	1729	432	12	620	1636	289	-18	502	2002
Chandigarh	182	0	-4	-10	87	0	-13	-10	182
Total	36012	1287	-512	-209	30892	1729	764	743	38000

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

Diversity is 1.05

III. Regional Entities :

UI [OG:(+ve), UG: (-ve)]

A. NTPC	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
	Singrauli STPS (5*200+2*500)	2000	1875	1888	2053	44.82	1867	44.39	0.43
	Rihand I STPS (2*500)	1000	843	927	713	19.38	808	18.70	0.68
	Rihand II STPS (2*500)	1000	954	1024	785	22.49	937	21.79	0.70
	Rihand III STPS (2*500)	1000	958	1025	878	22.42	934	21.98	0.44
	Dadri I STPS (4*210)	840	815	332	295	8.11	338	8.43	-0.32
	Dadri II STPS (2*490)	980	980	794	678	18.61	775	19.32	-0.71
	Unchahar I TPS (2*210)	420	325	329	295	6.93	289	7.09	-0.16
	Unchahar II TPS (2*210)	420	404	334	311	8.40	350	8.43	-0.03
	Unchahar III TPS (1*210)	210	202	163	159	4.12	172	4.12	0.00
	ISTPP (Jhajjar) (3*500)	1500	950	324	318	6.92	288	7.18	-0.27
	Dadri GPS (4*130.19+2*154.51)	830	801	191	338	6.07	253	6.48	-0.42
	Anta GPS (3*88.71+1*153.2)	419	415	251	225	5.58	233	5.78	-0.20
	Auraiya GPS (4*111.19+2*109.30)	663	495	0	288	1.32	55	1.42	-0.10
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar(15)	15	2	0	0	0.07	3	0.06	0.01
	KHEP(4*200)	800	655	653	0	2.46	103	2.30	0.16
	Sub Total (A)	12112	10675	8235	7336	178	7406	178	0
B. NPC	NAPS (2*220)	440	407	441	453	9.83	410	9.77	0.06
	RAPS- B (2*220)	440	380	417	424	9.10	379	9.12	-0.02
	RAPS- C (2*220)	440	425	443	453	9.70	404	10.20	-0.50
	Sub Total (B)	1320	1212	1301	1330	28.63	1193	29.09	-0.46
C. NHPC	Chamera I HPS (3*180)	540	534	0	545	2.60	108	2.35	0.25
	Chamera II HPS (3*100)	300	300	310	0	1.26	52	1.10	0.16
	Chamera III HPS (3*77)	231	200	216	0	0.63	26	0.60	0.03
	Bairasuli HPS(3*60)	180	182	183	0	0.73	30	0.66	0.07
	Salal-HPS (6*115)	690	105	262	105	3.13	130	2.51	0.62
	Tanakpur-HPS (3*40)	94	15	14	14	0.38	16	0.35	0.03
	Uri-I HPS (4*120)	480	274	346	257	6.99	291	6.60	0.39
	Uri-II HPS (4*60)	240	165	203	159	4.07	169	3.95	0.11
	Dhauliganga-HPS (4*70)	280	210	219	0	0.67	28	0.60	0.07
	Duilhasli-HPS (3*130)	390	387	404	0	2.94	123	2.70	0.24
	Sewa-II HPS (3*40)	120	119	129	0	0.71	29	0.60	0.11
	Parbati 3 (4*130)	520	130	132	0	0.41	17	0.39	0.02
	Sub Total (C)	4065	2620	2416	1080	25	1022	22	2
D.SJVNL	NJPC (6*250)	1500	1605	1627	0	6.52	271	6.35	0.16
	Rampur HEP (6*68.67)	412	404	374	0	1.77	74	1.73	0.04
	Sub Total (D)	1912	2009	2001	0	8.28	345	8.08	0.20
E. THDC	Tehri HPS (4*250)	1000	534	527	0	6.99	291	7.00	-0.01
	Koteswar HPS (4*100)	400	130	179	92	3.18	133	3.13	0.05
	Sub Total (E)	1400	664	706	92	10.17	424	10.13	0.04
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	744	1270	499	17.86	744	17.85	0.01
	Dehar HPS (6*165)	990	145	495	0	3.54	148	3.48	0.06
	Pong HPS (6*66)	396	142	280	56	3.34	139	3.40	-0.06
	Sub Total (F)	2765	1031	2045	555	24.75	1031	24.74	0.01
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.42	18	0.41	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	625	0	3.38	141	3.60	-0.22
	Malana Stg-II HPS (2*50)	100	0	0	0	0.20	8	0.19	0.01
	Shree Cement TPS (2*150)	300	0	297	296	7.06	294	7.12	-0.06
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	922	296	11.19	466	11.45	-0.26
H. Total Regional Entities (A-G)		25237	18211	17626	10689	285.29	11887	283.43	1.86

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	210	160	3.87	161	
	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	-0.11	-5	
	Goidwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	1320	660	26.99	1125	
	Talwandi Saboo (2*660)	1320	464	308	10.41	434	
	Thermal (Total)	5360	1994	1128	41.14	1714	
	Total Hydro	1000	284	294	7.09	295	
	Total Punjab	6360	2278	1422	48.22	2009	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	545	453	11.71	488	
Fardabad GPS (NTPC)		432	369	0	4.84	202	
RGTPP (khadar) (IPP) (2*600)		1200	782	782	20.20	842	
Masnun Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4944	1696	1235	36.75	1531	
Total Hydro		62	8	14	0.26	11	
Total Haryana		5006	1704	1249	37.01	1542	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	866	869	22.05	919
	suratgarh TPS (6*250)	1500	569	758	15.60	650	
	Chabra TPS (4*250)	1000	742	632	17.67	736	
	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	41	44	1.02	43	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingsar (NLC) (2*125)	250	96	93	2.13	89	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	586	964	22.15	923	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	924	1097	22.60	942	
	Kawai(Adani) (2*660)	1320	870	1196	26.67	1111	
	Thermal (Total)	8876	4694	5653	130	5412	
	Total Hydro	550	173	134	4.38	183	
	Wind power	3214	892	306	9.83	410	
	Biomass	99	20	20	0.49	20	
	Solar	730	4	0	0.21	9	
	Renewable/Others (Total)	4043	916	326	10.53	439	
	Total Rajasthan	13469	5783	6113	144.80	6033	
	UP	Anpara TPS (3*210+2*500)	1630	1243	1235	29.66	1236
		Obra TPS (2*50+2*94+5*200)	1194	411	296	9.03	376
		Paricha TPS (2*110+2*220+2*250)	1140	709	693	16.51	688
		Panki TPS (2*105)	210	0	72	0.82	34
Harduaganj TPS (1*60+1*105+2*250)		665	225	328	6.43	268	
Tanda TPS (NTPC) (4*110)		440	380	365	9.07	378	
Roza TPS (IPP) (4*300)		1200	549	549	13.22	551	
Anpara-C (IPP) (2*600)		1200	1083	1080	25.84	1077	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0	
Anpara-D(2*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	4600	4618	111	4608	
Vishnuparyag HPS (IPP)(4*110)		440	0	0	0.00	0	
Alakanada(4*82.5)		330	87	0	0.97	40	
Other Hydro		527	2	2	0.71	30	
Cogeneration		981	700	700	16.80	700	
Total UP	13547	5389	5320	129	5378		
Uttarakhand	Total Hydro	1398	400	240	8.13	339	
	Total Uttarakhand	1398	400	240	8.13	339	
Delhi	Raighat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	35	37	0.90	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	253	253	6.06	252	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.79	158	
	Thermal (Total)	2917	453	455	10.72	447	
	Total Delhi	2917	453	455	10.72	447	
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.90	37	
	Malana HPS (IPP) (2*43)	86	0	0	0.24	10	
	Other Hydro	878	154	93	3.34	139	
	Total HP	1264	154	93	4.47	186	
J & K	Baqilhar HPS (IPP) (3*150)	450	143	143	3.43	143	
	Other Hydro/IPP	560	138	123	2.76	115	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	281	266	6.19	258	
Total State Control Area Generation		45161	16442	15158	388.61	16192	
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			6169	6843	165.92	6913	
Total Regional Availability(Gross)		70398	40237	32690	839.82	34992	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8447	1727	74.18	3091
State Control Area Hydro	6581	1389	1043	32	1342
Total Regional Hydro	18815	9836	2770	106.38	4432

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)	250	100	250	0	3.43	0.00	3.43
765 KV Gwalior-Agra (D/C)	2726	2880	3217	0	68.00	0.00	68.00
400 KV Zerda-Kankroli	-178	-217	0	254	0.00	4.20	-4.20
400 KV Zerda-Bhinmal	-118	-166	0	234	0.00	2.58	-2.58
220 KV Auraiya-Malanpur	-12	-70	0	78	0.00	0.78	-0.78
220 KV Badod-Kota/Morak	-75	-27	13	69	0.00	1.03	-1.03
Mundra-Mohindergarh(HVDC Bipole)	2500	2497	2507	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)	430	801	653	11	16.86	0.00	16.86
Sub Total WR	5523	5798			148.74	8.60	140.14
Pusauli Bypass/HVDC	400	400	400	0	8.99	0.00	8.99
400 KV MZP- GKP (D/C)	-466	-294	0	532	0.00	7.33	-7.33
400 KV Patna-Balia(D/C) X 2	519	607	670	0	13.75	0.00	13.75
400 KV B Sharif-Balia (D/C)	-212	-190	0	269	0.00	4.14	-4.14
765 KV Gaya-Balia	147	94	242	0	2.03	0.00	2.03
765 KV Gaya-Varanasi -1	0	0	0	0	0.00	0.00	0.00
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Knasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-12	-24	0	28	0.00	0.52	-0.52
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-234	-88	158	234	0.17	0.00	0.17
400 KV Barh -GKP (D/C)	504	540	612	0	11.87	0.00	11.87
Sub Total ER	646	1045			37.76	11.99	25.78
+/- 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	6169	6843			186.50	20.59	165.92

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	
36.27	0.10	36.37	-0.17	-8.55	0.02	7.83	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	
36.21	125.24	161.45	25.78	140.14	165.92	-10.43	14.90	4.47	

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	-30	-30	0	33	0	0	-0.41

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	0.02	1.56	18.27	70.49	71.17	7.93	2.64	0.05	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum	Time	Minimum	Time				MAX (Hz)	MIN (Hz)	
50.22	18.02	49.69	18.56	49.96	0.065	0.071	50.12	49.89	28.83

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	03:01	398	10:27	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	03:02	402	10:29	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	02:59	399	10:33	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	02:58	402	10:29	0.0	0.0	0.0	0.0	0.0
Dadri	400	423	02:58	403	12:19	0.0	0.0	4.5	0.0	4.5
Ballabgarh	400	429	02:55	406	11:09	0.0	0.0	31.4	0.0	31.4
Bawana	400	426	02:47	404	12:25	0.0	0.0	24.6	0.0	24.6
Bassi	400	420	18:15	397	22:34	0.0	0.0	0.0	0.0	0.0
Hissar	400	421	02:57	401	11:09	0.0	0.0	0.5	0.0	0.5
Moga	400	423	01:12	402	11:25	0.0	0.0	6.3	0.0	6.3
Abdullapur	400	424	02:59	180	10:03	42.3	42.3	16.7	0.0	59.0
Nalagarh	400	432	02:56	412	18:53	0.0	0.0	59.3	3.4	59.3
Kishenpur	400	427	02:56	403	19:12	0.0	0.0	24.7	0.0	24.7
Wagoora	400	406	02:58	379	07:37	1.1	39.3	0.0	0.0	1.1
Amritsar	400	429	20:54	406	11:16	0.0	0.0	38.8	0.0	38.8
Kashipur	400	420	20:59	411	18:52	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	423	20:29	408	10:11	0.0	0.0	10.0	0.0	10.0
Rishikesh	400	414	02:58	388	10:33	0.0	1.6	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	769	03:00	735	12:25	0.0	3.9	0.0	0.0	0.0
Balia	765	792	15:04	759	18:55	0.0	0.0	0.0	0.0	0.0
Moga	765	802	01:12	762	11:11	0.0	0.0	1.7	0.0	1.7
Agra	765	786	21:50	752	10:29	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	765	02:59	736	10:29	0.0	8.1	0.0	0.0	0.0
Lucknow	765	791	03:02	760	10:29	0.0	0.0	0.0	0.0	0.0
Meerut	765	812	01:23	766	11:09	0.0	0.0	13.3	0.0	13.3
Jhatikara	765	805	02:55	768	10:27	0.0	0.0	10.1	0.0	10.1
Bareilly 765 kV	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Anta	765	778	04:02	755	22:35	0.0	0.0	0.0	0.0	0.0
Phagi	765	784	04:06	751	11:13	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	483.46	544.27	481.77	503.43	164.55	627.47
Pong	426.72	384.05	397.31	168.56	401.18	244.95	61.50	248.79
Tehri	829.79	740.04	766.00	171.98	781.40	781.40	340.00	221.00
Koteswar	612.50	598.50	610.05	4.69	611.02	5.20	221.00	209.62
Chamera-I	760.00	748.75	754.73	0.00	0.00	0.00	56.08	71.91
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.50	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	496.71	0.00	505.13	3.28	72.47	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	-45	118	0	-890	-5	0	-3.60	0.28	-3.32
Delhi	-762	-226	0	-732	245	0	-16.78	1.65	-15.13
Haryana	-180	-42	0	-205	301	0	-5.86	1.09	-4.76
HP	30	178	0	377	-277	0	7.52	-1.93	5.59
J&K	512	-10	0	599	21	0	11.34	-0.77	10.57
CHD	0	-10	0	0	-10	0	0.00	-0.22	-0.22
Rajasthan	-7	656	3	-7	68	0	0.60	9.17	9.77
UP	129	0	0	37	0	0	-5.13	0.00	-5.13
Uttarakhand	194	206	0	194	76	0	4.76	3.49	8.26
Total	-129	870	3	-628	419	0	-7.14	12.78	5.64

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	5	-890	151	-492	0	0
Delhi	-648	-762	412	-262	0	0
Haryana	-180	-565	324	-384	0	0
HP	524	30	178	-843	0	0
J&K	623	398	21	-195	0	0
CHD	0	0	0	-46	0	0
Rajasthan	186	-7	661	-509	3	0
UP	175	-558	0	0	0	0
Uttarakhand	222	194	304	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	19.79%
ER	0.00%
Simultaneous	25.00%

(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 10.03.2016 :

Normal

XV. Synchronisation of new generating units :

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

1) 765 kV Gaya - Varanasi -S/c Ist time charge at 11.25 hrs on date 10.03.2016 after LILO work of 765 kV Gaya - Fatehpur- S/c .

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :