

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 16.03.2016

Date of Reporting : 17.03.2016



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
34543	1860	36404	50.09	30060	1684	31743	49.89	783.2	34.78

* 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	24.48	3.96		28.44	52.68	52.96	0.28	81.40	0.00
Haryana	26.39	0.32		26.71	75.68	75.21	-0.47	101.92	0.00
Rajasthan	123.20	3.62	12.90	139.71	54.64	57.99	3.34	197.70	0.00
Delhi	10.41			10.41	49.52	50.98	1.45	61.38	0.01
UP	130.13	2.70		132.83	104.25	105.54	1.29	238.37	24.21
Uttarakhand		9.43		9.43	21.71	23.07	1.35	32.49	0.00
HP		6.15		6.15	16.77	18.97	2.20	25.12	0.00
J & K		8.95	0.00	8.95	31.31	32.50	1.19	41.44	10.57
Chandigarh				0.00	3.12	3.36	0.27	3.36	0.00
Total	314.60	35.11	12.90	362.61	409.68	420.56	10.91	783.17	34.78

* 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	3368	0	-44	-815	2910	0	111	66	4008
Haryana	5554	0	149	108	3113	0	-42	-147	5750
Rajasthan	7663	0	-51	-207	8070	0	118	285	8954
Delhi	2923	0	-154	-438	1806	0	191	-990	3228
UP	10304	1385	-56	411	10490	1400	218	130	11186
Uttarakhand	1635	0	6	411	1159	0	113	272	1677
HP	1019	0	-204	-38	817	0	168	72	1428
J&K	1900	475	10	413	1608	284	3	400	2080
Chandigarh	177	0	-3	-15	87	0	4	-15	181
Total	34543	1860	-347	-171	30060	1684	884	72	36825

* 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 :

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	1517	1968	1516	36.93	1539	36.37	0.56
	Rihand I STPS (2*500)	1000	831	926	903	19.71	821	19.62	0.09
	Rihand II STPS (2*500)	1000	948	986	1031	22.91	955	22.61	0.30
	Rihand III STPS (2*500)	1000	938	857	935	22.28	928	22.10	0.18
	Dadri I STPS (4*210)	840	815	366	349	8.01	334	8.18	-0.17
	Dadri II STPS (2*490)	980	980	734	702	16.69	695	17.31	-0.62
	Unchahar I TPS (2*210)	420	350	355	369	7.92	330	8.07	-0.15
	Unchahar II TPS (2*210)	420	404	439	431	9.06	377	9.15	-0.09
	Unchahar III TPS (1*210)	210	202	218	213	4.33	180	4.48	-0.15
	ISTPP (Jhajjar) (3*500)	1500	950	497	322	7.61	317	7.79	-0.18
	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	0.00
	Unchahar Solar(10)	10	1	0	0	0.04	2	0.03	0.01
	Singrauli Solar(15)	15	2	0	0	0.08	4	0.06	0.03
	KHEP(4*200)	800	655	653	0	2.58	108	2.50	0.08
Sub Total (A)	12112	10103	7999	6771	6591	158	0	0	
B. NPC	NAPS (2*220)	440	408	438	458	9.81	409	9.79	0.02
	RAPS- B (2*220)	440	383	426	429	9.21	384	9.19	0.02
	RAPS- C (2*220)	440	418	452	453	9.73	406	10.03	-0.30
	Sub Total (B)	1320	1209	1316	1340	28.76	1198	29.02	-0.26
C. NHPC	Chamera I HPS (3*180)	540	534	550	0	3.32	138	3.10	0.22
	Chamera II HPS (3*100)	300	300	300	0	1.76	73	1.59	0.17
	Chamera III HPS (3*77)	231	235	230	0	0.87	36	0.80	0.07
	Bairasuli HPS(3*60)	180	182	183	0	1.92	80	1.87	0.05
	Salal-HPS (6*115)	690	334	527	448	8.67	361	8.16	0.51
	Tanakpur-HPS (3*40)	94	17	15	16	0.47	20	0.40	0.08
	Uri-I HPS (4*120)	480	463	473	472	11.24	469	11.08	0.16
	Uri-II HPS (4*60)	240	230	241	231	5.57	232	5.51	0.06
	Dhauliganga-HPS (4*70)	280	210	217	0	0.80	33	0.70	0.10
	Dulhasi-HPS (3*130)	390	387	404	0	3.26	136	3.00	0.26
	Sewa-II HPS (3*40)	120	109	125	85	2.68	112	2.63	0.05
	Parbati 3 (4*130)	520	130	132	0	0.42	17	0.39	0.03
	Sub Total (C)	4065	3130	3396	1252	41	1708	39	2
D.SJVNL	NJPC (6*250)	1500	1350	1350	0	6.78	283	6.83	-0.05
	Rampur HEP (6*68.67)	412	442	377	0	1.90	79	1.90	-0.01
	Sub Total (D)	1912	1792	1727	0	8.68	362	8.73	-0.05
E. THDC	Tehri HPS (4*250)	1000	498	501	0	5.90	246	5.80	0.10
	Koteswar HPS (4*100)	400	114	300	90	2.79	116	2.73	0.06
	Sub Total (E)	1400	612	801	90	8.70	362	8.53	0.17
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	456	879	377	10.79	450	10.95	-0.15
	Dehar HPS (6*165)	990	198	495	165	4.75	197	4.75	-0.02
	Pong HPS (6*66)	396	115	220	55	2.57	107	2.76	-0.19
	Sub Total (F)	2765	769	1594	597	18.09	754	18.46	-0.37
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.42	17	0.40	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	625	0	3.38	141	3.79	-0.41
	Malana Stg-II HPS (2*50)	100	0	0	0	0.19	8	0.18	0.01
	Shree Cement TPS (2*150)	300	0	297	300	7.10	296	7.12	-0.02
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	922	300	11.23	468	11.64	-0.41
H. Total Regional Entities (A-G)	25237	17615	17754	10350	274.61	11442	273.89	0.72	

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	3.65	152	
	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	-0.08	-3	
	Goindwal(GVK)		0	0	0.30	12	
	Rajpura (2*700)	1400	860	660	20.66	861	
	Talwandi Saboo (2*660)	1320	0	0	-0.03	-1	
	Thermal (Total)	5360	1070	820	24.48	1020	
	Total Hydro	1000	143	189	3.96	165	
	Total Punjab	6360	1213	1009	28.44	1185	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	553	462	11.42	476	
Faridabad GPS (NTPC)		432	195	151	4.26	177	
RGTPP (khedar) (IPP) (2*600)		1200	536	398	10.72	446	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4944	1284	1011	26.39	1099	
Total Hydro		62	17	8	0.32	13	
Total Haryana		5006	1301	1019	26.71	1113	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	688	689	17.56	732
	suratgarh TPS (6*250)	1500	385	388	10.10	421	
	Chabra TPS (4*250)	1000	579	562	15.12	630	
	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	215	220	5.44	227	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingar (NLC) (2*125)	250	94	94	2.10	87	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwast LTPS (IPP) (8*135)	1080	704	845	20.16	840	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalsindh Thermal(2*600)	1200	1056	927	25.16	1048	
	Kawail(Adani) (2*660)	1320	1046	938	27.56	1148	
	Thermal (Total)	8876	4767	4663	123	5133	
	Total Hydro	550	149	114	3.62	151	
	Wind power	3214	285	864	9.49	396	
	Biomass	99	29	29	0.70	29	
	Solar	730	0	0	2.71	113	
	Renewable/Others (Total)	4043	314	893	12.90	538	
	Total Rajasthan	13469	5230	5670	139.71	5821	
	UP	Anpara TPS (3*210+2*500)	1630	1238	1235	29.70	1238
Obra TPS (2*50+2*94+5*200)		1194	396	282	7.80	325	
Paricha TPS (2*110+2*220+2*250)		1140	650	802	17.10	713	
Panki TPS (2*105)		210	63	72	1.60	67	
Harduaganj TPS (1*60+1*105+2*250)		665	305	329	7.40	308	
Tanda TPS (NTPC) (4*110)		440	293	368	7.83	326	
Roza TPS (IPP) (4*300)		1200	379	549	11.00	458	
Anpara-C (IPP) (2*600)		1200	1085	1090	25.80	1075	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0	
Anpara-D(2*500)		500	261	118	5.10	213	
Lalitpur TPS(2*660)		1320	0	0	0.00	0	
Bara(2*660)		1320	0	0	0.00	0	
Thermal (Total)		11269	4669	4845	113	4722	
Vishnuparyag HPS (IPP)(4*110)		440	66	64	1.50	63	
Alakananda(4*82.5)		330	72	62	0.90	38	
Other Hydro		527	2	2	0.30	13	
Cogeneration		981	700	700	16.80	700	
Total UP		13547	5509	5673	133	5535	
Uttarakhand		Total Hydro	1398	544	264	9.43	393
		Total Uttarakhand	1398	544	264	9.43	393
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	42	43	0.91	38	
	Prahati 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	253	253	6.06	253	
	Badarpur TPS (NTPC) (3*95+2*210)	705	161	161	3.44	143	
	Thermal (Total)	2917	456	457	10.41	434	
	Total Delhi	2917	456	457	10.41	434	
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.82	34	
	Malana HPS (IPP) (2*43)	86	0	0	0.19	8	
	Other Hydro	878	242	177	5.15	214	
	Total HP	1264	242	177	6.15	256	
J & K	Baglihar HPS (IPP) (3*150)	450	290	250	6.19	258	
	Other Hydro/IPP	560	139	123	2.76	115	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	429	373	8.95	373	
Total State Control Area Generation		45161	14924	14642	362.61	15109	
J. Net Inter Regional Exchange (Import +ve)/Export (-ve)			5841	6755	167.17	6965	
Total Regional Availability(Gross)		70398	38519	31747	804.40	33516	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8795	1939	83.03	3459
State Control Area Hydro	6581	1664	1253	35	1463
Total Regional Hydro	18815	10459	3192	118.14	4922

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	250	250	200	5.61	0.20	5.42
765 KV Gwalior-Agra (D/C)	2242	2722	3230	0	66.69	0.00	66.69
400 KV Zarda-Kankroli	-148	-224	0	224	0.00	3.67	-3.67
400 KV Zarda-Bhimmal	-107	-187	45	218	0.00	2.18	-2.18
220 KV Auraiya-Malanpur	-25	-2	0	26	0.00	0.08	-0.08
220 KV Badod-Kota/Morak	-47	-2	59	47	0.40	0.00	0.40
Mundra-Mohinderghar(HVDC Bipole)	2496	2502	2506	0	60.46	0.00	60.46
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	780	1008	1202	681	24.36	0.00	24.36
Sub Total WR	5441	6067			157.51	6.13	151.38
Pusaali Bypass/HVDC	400	400	400	0	8.95	0.00	8.95
400 KV MZP- GKP (D/C)	112	88	85	283	0.00	1.89	-1.89
400 KV Patna-Balia(D/C) X 2	354	257	630	0	9.57	0.00	9.57
400 KV B Sharif-Balia (D/C)	-128	-43	0	189	0.00	0.81	-0.81
765 KV Gaya-Balia	69	356	445	0	3.93	0.00	3.93
765 KV Gaya-Varanasi -1	-142	-101	0	230	0.00	3.26	-3.26
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	-30	-13	0	30	0.00	0.50	-0.50
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-103	-178	149	178	0.00	0.33	-0.33
400 KV Barh -GKP (D/C)	368	422	548	0	10.04	0.00	10.04
Sub Total ER	900	1188			32.47	6.78	25.69
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500	0.00	9.90	-9.90
Sub Total NER	-500	-500			0.00	9.90	-9.90
Total IR Exch	5841	6755			189.98	22.81	167.17

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
33.00	0.17	33.17	0.56	-7.53	-1.29	10.82	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
32.43	123.97	156.40	15.79	151.38	167.17	-16.64	27.41	10.77

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	-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	0.43	4.72	51.41	75.74	15.49	3.70	0.38	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)			
50.25	18.17	49.74	14.23	50.00	0.038	50.20	49.92	24.26	

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	13:02	400	05:29	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	13:02	403	06:51	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	417	20:57	402	06:43	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	05:02	402	23:09	0.0	0.0	0.0	0.0	0.0
Dadri	400	425	02:59	405	12:15	0.0	0.0	17.4	0.0	17.4
Balabgarh	400	430	02:58	408	12:15	0.0	0.0	33.0	0.0	33.0
Bawana	400	427	02:49	408	12:15	0.0	0.0	29.4	0.0	29.4
Bassi	400	423	18:02	398	23:09	0.0	0.0	2.5	0.0	2.5
Hissar	400	422	02:25	403	12:15	0.0	0.0	4.9	0.0	4.9
Moga	400	422	13:02	404	06:39	0.0	0.0	1.7	0.0	1.7
Abdullapur	400	427	00:34	407	18:56	0.0	0.0	47.6	0.0	47.6
Nalagarh	400	435	13:06	413	19:09	0.0	0.0	74.7	16.5	74.7
Kishenpur	400	423	02:49	291	10:05	46.8	46.8	13.5	0.0	60.2
Wagoora	400	402	13:01	366	18:39	27.0	64.4	0.0	0.0	27.0
Amritsar	400	428	01:37	408	19:07	0.0	0.0	33.3	0.0	33.3
Kashipur	400	420	01:00	413	06:38	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	426	02:26	410	19:50	0.0	0.0	7.6	0.0	7.6
Rishikesh	400	413	00:33	394	06:46	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	761	02:25	732	23:05	0.0	18.1	0.0	0.0	0.0
Balia	765	765	17:03	742	06:56	0.0	0.0	0.0	0.0	0.0
Moga	765	803	13:02	766	06:45	0.0	0.0	1.1	0.0	1.1
Agra	765	778	02:56	744	23:07	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	800	01:36	772	08:51	0.0	0.0	0.0	0.0	0.0
Unnao	765	767	05:01	747	09:11	0.0	0.0	0.0	0.0	0.0
Lucknow	765	774	05:02	756	06:46	0.0	0.0	0.0	0.0	0.0
Meerut	765	813	20:58	777	06:49	0.0	0.0	40.0	0.0	40.0
Jhatikara	765	805	02:25	771	12:13	0.0	0.0	10.7	0.0	10.7
Bareilly 765 kV	765	782	20:56	756	06:46	0.0	0.0	0.0	0.0	0.0
Anta	765	779	18:20	756	06:46	0.0	0.0	0.0	0.0	0.0
Phagi	765	789	18:19	752	06:10	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	482.52	519.70	481.08	481.64	192.75	358.83
Pong	426.72	384.05	397.24	162.91	401.71	259.17	56.78	195.22
Tehri	829.79	740.04	762.60	145.79	778.95	308.66	37.83	191.00
Koteswar	612.50	598.50	611.44	5.35	610.82	4.95	191.00	183.80
Chamera-I	760.00	748.75	752.54	0.00	0.00	0.00	110.86	89.75
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	497.95	0.00	506.23	2.60	264.63	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	60	0	-831	16	0	-2.65	1.30	-1.35
Delhi	-814	-176	0	-632	194	0	-16.42	2.02	-14.39
Haryana	-167	19	0	-196	303	0	-5.33	4.23	-1.10
HP	30	42	0	132	-170	0	3.34	-2.35	0.98
J&K	400	0	0	424	-11	0	8.83	-0.66	8.17
CHD	0	-15	0	0	-15	0	0.00	-0.25	-0.25
Rajasthan	-11	294	2	-7	-202	2	0.54	6.67	7.22
UP	130	0	0	411	0	0	1.61	0.00	1.61
Uttarakhand	193	79	0	193	218	0	4.75	3.89	8.64
Total	-234	304	2	-507	334	2	-5.32	14.86	9.54

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	5	-831	175	-457	0	0
Delhi	-624	-814	398	-181	0	0
Haryana	-167	-395	324	-236	0	0
HP	242	30	69	-762	0	0
J&K	424	346	0	-178	0	0
CHD	0	0	0	-41	0	0
Rajasthan	182	-11	545	-395	2	0
UP	411	-108	0	0	0	0
Uttarakhand	222	193	300	69	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	0.69%
ER	0.00%
Simultaneous	1.04%

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	0.00%
----------------	-------

XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 16.03.2016 :

Normal

XV. Synchronisation of new generating units :

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

0.00

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :