

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 12.03.2016

Date of Reporting : 13.03.2016



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
31265	473	31738	50.03	27297	387	27684	50.09	701.6	38.04

* 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	20.03	4.70		24.73	49.05	48.47	-0.58	73.21	0.00
Haryana	23.50	0.26		23.76	63.32	61.64	-1.68	85.40	0.00
Rajasthan	111.01	4.19	15.69	130.89	53.61	54.81	1.19	185.69	0.00
Delhi	8.72			8.72	48.86	48.16	-0.70	56.88	0.05
UP	113.77	2.35		116.11	98.91	98.42	-0.49	214.53	29.62
Uttarakhand		7.62		7.62	21.90	19.31	-2.60	26.93	0.00
HP		6.43		6.43	18.13	13.92	-4.22	20.35	0.00
J & K		10.37	0.00	10.37	32.30	25.10	-7.20	35.47	8.38
Chandigarh				0.00	3.41	3.15	0.27	3.15	0.00
Total	277.02	35.92	15.69	328.63	389.50	372.98	-16.01	701.61	38.04

* 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	3365	0	-121	-959	2646	0	21	165	3470
Haryana	4956	0	94	82	2568	0	176	-413	5070
Rajasthan	7238	0	83	363	7286	0	76	391	8678
Delhi	2128	0	-434	-601	1812	0	117	-1054	3120
UP	9406	80	-818	17	10213	190	-174	129	10639
Uttarakhand	1525	0	-73	546	908	0	49	376	1525
HP	911	0	-66	19	654	0	-33	287	1107
J&K	1571	393	-129	689	1119	197	-556	504	1819
Chandigarh	165	0	-12	-25	91	0	-3	-15	166
Total	31265	473	-1477	131	27297	387	-328	370	34191

* 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	2034	1722	39.55	1648	38.86	0.69
	Rihand I STPS (2*500)	1000	862	752	668	15.33	639	14.78	0.55
	Rihand II STPS (2*500)	1000	964	713	770	17.52	730	16.76	0.75
	Rihand III STPS (2*500)	1000	968	828	780	17.17	716	16.67	0.50
	Dadri I STPS (4*210)	840	815	308	303	6.86	286	6.95	-0.09
	Dadri II STPS (2*490)	980	980	723	700	16.04	668	16.46	-0.42
	Unchahar I TPS (2*210)	420	350	290	273	6.05	252	5.93	0.12
	Unchahar II TPS (2*210)	420	404	301	329	6.93	289	6.79	0.14
	Unchahar III TPS (1*210)	210	202	156	154	3.36	140	3.39	-0.03
	ISTPP (Jhajhar) (3*500)	1500	950	310	306	6.58	274	6.84	-0.26
	Dadri GPS (4*130 19+2*154.51)	830	799	203	199	4.65	194	4.84	-0.18
	Anta GPS (3*88.71+1*153.2)	419	415	251	233	5.33	222	5.97	-0.64
	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	0.02	1	0.01	0.00
Singrauli Solar(15)	15	3	0	0	0.01	0	0.06	-0.06	
KHEP(4*200)	800	655	0	0	2.31	96	2.30	0.01	
Sub Total (A)	12112	10750	6869	6437	148	6155	147	1	
B. NPC	NAPS (2*220)	440	410	439	450	9.78	408	9.84	-0.06
	RAPS- B (2*220)	440	379	420	423	9.15	381	9.10	0.05
	RAPS- C (2*220)	440	420	446	452	9.71	404	10.08	-0.37
	Sub Total (B)	1320	1209	1305	1325	28.63	1193	29.02	-0.38
C. NHPC	Chamera I HPS (3*180)	540	534	544	0	5.53	230	5.19	0.34
	Chamera II HPS (3*100)	300	300	309	100	4.24	177	3.80	0.43
	Chamera III HPS (3*77)	231	235	233	79	2.23	93	2.12	0.11
	Bairasuli HPS(3*60)	180	182	186	61	3.35	140	3.23	0.11
	Salal-HPS (6*115)	690	326	345	345	8.25	344	7.67	0.58
	Tanakpur-HPS (3*40)	94	15	27	15	0.40	17	0.35	0.05
	Uri-I HPS (4*120)	480	377	468	356	9.70	404	9.00	0.69
	Uri-II HPS (4*60)	240	235	240	236	5.66	236	5.59	0.07
	Dhauliganga-HPS (4*70)	280	210	217	0	0.70	29	0.63	0.07
	Dulhasi-HPS (3*130)	390	387	403	0	3.35	140	3.18	0.18
	Sewa-II HPS (3*40)	120	119	130	123	3.04	127	2.79	0.25
	Parbati 3 (4*130)	520	130	133	0	0.55	23	0.52	0.03
Sub Total (C)	4065	3050	3235	1316	47	1958	44	3	
D.SJVNL	NJPC (6*250)	1500	1605	1585	0	6.36	265	6.30	0.06
	Rampur HEP (6*68.67)	412	442	448	0	1.78	74	1.75	0.03
	Sub Total (D)	1912	2047	2033	0	8.14	339	8.05	0.09
E. THDC	Tehri HPS (4*250)	1000	525	0	0	6.44	268	6.50	-0.06
	Koteswar HPS (4*100)	400	114	300	90	2.61	109	2.60	0.01
	Sub Total (E)	1400	639	825	90	9.05	377	9.10	-0.04
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	596	878	503	14.46	603	14.32	0.14
	Dehar HPS (6*165)	990	240	495	0	5.80	242	5.76	0.04
	Pong HPS (6*66)	396	17	55	0	0.28	12	0.41	-0.13
	Sub Total (F)	2765	854	1428	503	20.55	856	20.49	0.06
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.40	17	0.39	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	0.21	9	0.19	0.01
	Shree Cement TPS (2*150)	300	0	297	299	7.06	294	7.10	-0.04
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.16	6	0.14	0.01
	Sub Total (G)	1662	0	922	299	11.20	467	11.43	-0.22
H. Total Regional Entities (A-G)	25237	18548	16617	9970	272.26	11344	268.78	3.48	

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	3.50	146	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	0.00	0	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	660	660	16.53	689	
	Talwandi Saboo (2*660)	1320	0	0	0.00	0	
	Thermal (Total)	5360	870	820	20.03	835	
	Total Hydro	1000	176	244	4.70	196	
	Total Punjab	6360	1046	1064	24.73	1031	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	459	474	10.74	448	
Faridabad GPS (NTPC)		432	375	314	7.93	330	
RGTPP (khedar) (IPP) (2*600)		1200	0	402	4.83	201	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4944	834	1190	23.50	979	
Total Hydro		62	10	14	0.26	11	
Total Haryana		5006	844	1204	23.76	990	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	866	842	20.89	870
	suratgarh TPS (6*250)	1500	383	377	9.10	379	
	Chabra TPS (4*250)	1000	739	750	18.46	769	
	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	83	69	1.89	79	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingsar (NLC) (2*125)	250	93	95	2.69	112	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwast LTPS (IPP) (8*135)	1080	518	444	14.80	617	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalsindh Thermal(2*600)	1200	843	846	20.85	869	
	Kawail(Adani) (2*660)	1320	866	864	22.33	930	
	Thermal (Total)	8876	4391	4287	111	4625	
	Total Hydro	550	187	166	4.19	175	
	Wind power	3214	698	675	15.26	636	
	Biomass	99	18	18	0.43	18	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	716	693	15.69	654	
	Total Rajasthan	13469	5294	5146	130.89	5454	
	UP	Anpara TPS (3*210+2*500)	1630	1242	1245	29.13	1214
Obra TPS (2*50+2*94+5*200)		1194	404	398	9.56	398	
Paricha TPS (2*110+2*220+2*250)		1140	657	731	13.80	575	
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaganj TPS (1*60+1*105+2*250)		665	220	223	4.57	190	
Tanda TPS (NTPC) (4*110)		440	370	377	7.64	318	
Roza TPS (IPP) (4*300)		1200	378	557	9.95	414	
Ansara-C (IPP) (2*600)		1200	1082	1080	22.33	930	
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	4353	4611	97	4040	
Vishnuparyag HPS (IPP)(4*110)		440	60	0	1.20	50	
Alakananda(4*82.5)		330	85	0	0.87	36	
Other Hydro		527	10	0	0.28	12	
Cogeneration		981	700	700	16.80	700	
Total UP		13547	5208	5311	116	4838	
Uttarakhand		Total Hydro	1398	397	212	7.62	317
		Total Uttarakhand	1398	397	212	7.62	317
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	35	34	0.80	33	
	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	30	250	4.37	182	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.55	148	
	Thermal (Total)	2917	230	449	8.72	363	
	Total Delhi	2917	230	449	8.72	363	
HP	Baspa HPS (IPP) (3*100)	300	51	0	0.95	40	
	Malana HPS (IPP) (2*43)	86	0	0	0.21	9	
	Other Hydro	878	238	160	5.27	219	
	Total HP	1264	289	160	6.43	268	
J & K	Baqilhar HPS (IPP) (3*150)	450	291	270	7.61	317	
	Other Hydro/IPP	560	138	123	2.76	115	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	429	393	10.37	432	
Total State Control Area Generation		45161	13737	13939	328.63	13693	
J. Net Inter Regional Exchange (Import +ve) Export -ve)			5249.88	5355.43	121.11	5046	
Total Regional Availability(Gross)		70398	35604	29264	722.00	30083	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8146	1909	91.02	3792
State Control Area Hydro	6581	1643	1189	36	1497
Total Regional Hydro	18815	9789	3098	126.94	5289

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)	50	-250	250	250	0.58	3.98	-3.40
765 KV Gwalior-Agra (D/C)	2307	2310	2922	0	59.38	0.00	59.38
400 KV Zarda-Kankroli	217	298	0	315	0.00	12.04	-12.04
400 KV Zarda-Bhinmal	-158	-211	0	266	0.00	3.76	-3.76
220 KV Auraiya-Malanpur	-23	-31	0	46	0.00	0.27	-0.27
220 KV Badod-Kota/Morak	-60	-84	30	117	0.00	1.37	-1.37
Mundra-Mohindergarh(HVDC Bipole)	2202	2503	2516	0	54.82	0.00	54.82
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kv Phagi-Gwalior (D/C)	392	572	1145	0	17.62	0.00	17.62
Sub Total WR	4927	5107			132.40	21.42	110.98
Pusaali Bypass/HVDC	400	400	400	0	9.03	0.00	9.03
400 KV MZP- GKP (D/C)	-504	-386	0	600	0.00	10.63	-10.63
400 KV Patna-Balia(D/C) X 2	430	270	498	0	9.98	0.00	9.98
400 KV B Sharif-Balia (D/C)	-283	-186	0	354	0.00	5.79	-5.79
765 KV Gaya-Balia	92	70	280	0	1.32	0.00	1.32
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	-8	-26	0	30	0.00	0.53	-0.53
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-276	-262	0	305	0.00	4.49	-4.49
400 KV Barh -GKP (D/C)	423	348	506	0	10.27	0.00	10.27
Sub Total ER	372	248			31.57	21.44	10.13
+/- 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	5250	5355			163.97	42.86	121.11

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
24.49	0.07	24.55	-1.07	-8.66	2.80	19.16	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
26.28	113.74	140.01	10.13	110.98	121.11	-16.15	-2.76	-18.90

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	-28	-30	0	31	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	0.41	5.35	43.35	66.06	21.61	7.05	0.00	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)		
50.19	4.02	49.75	18.54	50.01	0.044	0.066	50.20	0.00	33.94

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
Wagooora	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	482.63	527.87	481.59	495.33	201.79	470.34
Pong	426.72	384.05	397.31	168.56	401.34	252.05	111.12	29.68
Tehri	829.79	740.04	764.85	161.84	780.60	328.01	62.20	207.00
Koteswar	612.50	598.50	611.07	4.95	610.82	5.20	207.00	171.71
Chamera-I	760.00	748.75	755.59	0.00	0.00	0.00	233.62	150.06
Rihand	268.22	252.98	845.00	181.70	847.30	213.80	0.00	0.00
RPS	352.80	343.81	1137.69	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	0.00	505.36	3.15	66.28	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	211	0	-916	-44	0	-3.72	6.56	2.84
Delhi	-812	-241	0	-732	130	0	-17.25	1.82	-15.43
Haryana	-176	-237	0	-205	288	0	-5.56	4.66	-0.90
HP	30	257	0	224	-205	0	6.66	-0.36	6.30
J&K	512	-7	0	633	56	0	11.77	-0.27	11.50
CHD	0	-15	0	0	-25	0	0.00	-0.34	-0.34
Rajasthan	-11	402	0	-7	370	0	0.54	9.16	9.71
UP	129	0	0	17	0	0	-5.34	0.00	-5.34
Uttarakhand	194	182	0	194	353	0	4.76	5.60	10.37
Total	-180	550	0	-792	923	0	-8.14	26.85	18.71

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	5	-916	347	-143	0	0
Delhi	-648	-812	505	-252	0	0
Haryana	-176	-404	320	-387	0	0
HP	524	-65	257	-778	0	0
J&K	633	407	56	-185	0	0
CHD	0	0	0	-51	0	0
Rajasthan	182	-11	402	73	0	0
UP	175	-583	0	0	0	0
Uttarakhand	222	194	419	146	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 12.03.2016 :

Rain/ Squall/ Storm in some places of Haryana, Delhi NCR, Punjab , Jammu, HP & Western UP

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 :