

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसईए की पूर्ण स्वामित्व प्राप्त सख्यक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 31.01.2016

Date of Reporting : 01.02.2016



I. Regional Availability/Demand:

Demand Met	Evening Peak (19:00 Hrs) MW			Freq* (Hz)	Off Peak (03:00 Hrs) MW			Demand Met	Day Energy (Net MU)	
	Shortage	Requirement	Requirement		Shortage	Requirement	Requirement		Shortage	Shortage
36691	1901	38592	50.10	30656	1294	31949	50.09	816.4	44.07	

* 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)	Shortages* (MU)
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	48.39	6.75		55.14	35.84	37.55	1.71	92.69	0.00
Haryana	49.15	0.25		49.39	62.73	62.32	-0.41	111.72	0.14
Rajasthan	133.78	4.53	8.62	146.92	69.43	71.53	2.10	218.45	0.00
Delhi	13.84			13.84	43.63	43.87	0.24	57.71	0.00
UP	127.37	3.90		131.27	95.33	99.44	4.11	230.70	38.95
Uttarakhand		9.18		9.18	24.34	25.01	0.68	34.20	0.00
HP		3.34		3.34	20.81	21.07	0.26	24.41	0.00
J & K		4.98	0.00	4.98	39.12	38.22	-0.90	43.21	4.98
Chandigarh				0.00	3.53	3.35	0.27	3.35	0.00
Total	372.53	32.93	8.62	414.07	394.75	402.36	8.06	816.43	44.07

* 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	4180	0	199	-673	3115	0	144	-181	5234
Haryana	5862	0	-134	-509	3512	0	19	-445	5862
Rajasthan	8761	0	-195	557	8926	0	127	628	10232
Delhi	2716	0	-232	-623	1448	0	8	-1431	3555
UP	10126	1405	77	-29	9871	995	320	124	10330
Uttarakhand	1775	0	-128	476	1222	0	11	463	1811
HP	1107	0	-74	194	778	0	44	381	1351
J&K	1985	496	-26	818	1692	299	16	744	1985
Chandigarh	179	0	-22	0	92	0	1	-31	197
Total	36691	1901	-535	211	30656	1294	690	253	38381

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

Diversity is 1.06

III. Regional Entities :

Entity	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
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1298	1232	1358	30.67	1278	29.69	0.97
	Rihand I STPS (2*500)	1000	868	782	675	17.40	725	17.35	0.05
	Rihand II STPS (2*500)	1000	966	820	774	19.88	828	19.93	-0.05
	Rihand III STPS (2*500)	1000	969	841	850	19.89	829	20.13	-0.25
	Dadri I STPS (4*210)	840	815	565	563	13.55	565	13.90	-0.35
	Dadri II STPS (2*490)	980	980	668	690	16.72	697	17.32	-0.60
	Unchahar I TPS (2*210)	420	406	307	318	7.42	309	7.68	-0.26
	Unchahar II TPS (2*210)	420	404	307	307	7.19	300	7.23	-0.04
	Unchahar III TPS (1*220)	210	202	152	146	3.49	145	3.61	-0.12
	ISTPP (Jhajhar) (3*500)	1500	1475	641	641	14.30	596	14.59	-0.29
	Dadri GPS (4*130.19+2*154.51)	830	813	239	417	8.48	353	8.72	-0.24
	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	640	276	298	5.73	239	6.02	-0.28
	Dadri Solar	5	1	0	0	0.01	0	0.01	0.00
	Unchahar Solar	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar	15	2	0	0	0.06	3	0.06	0.01
	KHEP	800	655	364	0	1.99	83	1.97	0.03
Sub Total (A)	12112	10910	7194	7037	167	6951	168	-1	
B. NPC	NAPS (2*220)	440	411	453	450	9.87	411	9.86	0.00
	RAPS- B (2*220)	440	381	418	426	9.12	380	9.14	-0.02
	RAPS- C (2*220)	440	420	455	458	9.84	410	10.08	-0.24
	Sub Total (B)	1320	1212	1326	1334	28.83	1201	29.09	-0.26
C. NHPC	Chamera I HPS (3*180)	540	360	224	0	1.27	53	1.10	0.17
	Chamera II HPS (3*100)	300	238	295	0	1.14	48	1.02	0.12
	Chamera III HPS (3*77)	231	170	179	0	0.58	24	0.51	0.07
	Bairasuli HPS(3*60)	180	134	154	0	0.43	18	0.45	-0.02
	Salal-HPS (6*115)	690	104	230	70	2.91	121	2.51	0.40
	Tanakpur-HPS (3*40)	94	17	20	15	0.48	20	0.41	0.07
	Uri-I HPS (4*120)	480	282	334	253	6.95	290	6.71	0.24
	Uri-II HPS (4*60)	240	162	175	178	3.96	165	3.89	0.08
	Dhauliganga-HPS (4*70)	280	210	140	0	0.76	31	0.70	0.06
	Dulhasi-HPS (3*130)	390	290	398	0	2.49	104	2.30	0.19
	Sewa-II HPS (3*40)	120	83	53	0	0.18	7	0.25	-0.07
Parbati 3 (4*130)	520	0	0	0	0.00	0	0.00	0.00	
Sub Total (C)	4065	2049	2202	515	21	881	20	1	
D.SJVNL	NJPC (6*250)	1500	1080	495	0	6.54	272	6.53	0.01
	Rampur HEP (6*68.67)	412	317	297	0	1.83	76	1.78	0.05
Sub Total (D)	1912	1397	792	0	8.37	349	8.31	0.06	
E. THDC	Tehri HPS (4*250)	1000	852	848	0	7.86	319	7.70	-0.04
	Koteshwar HPS (4*100)	400	164	303	91	3.01	126	3.08	-0.07
Sub Total (E)	1400	1016	1151	91	10.88	445	10.78	-0.10	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	626	1161	363	14.86	619	15.01	-0.15
	Dehar HPS (6*165)	990	133	495	0	3.21	134	3.20	0.01
	Pong HPS (6*66)	396	267	318	66	6.26	261	6.40	-0.14
	Sub Total (F)	2765	1026	1974	429	24.34	1014	24.61	-0.27
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.38	16	0.36	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	585	0	3.38	141	3.36	0.02
	Malana Stg-II HPS (2*50)	100	0	0	0	0.18	7	0.22	-0.05
	Shree Cement TPS (2*150)	300	0	297	296	7.02	293	7.08	-0.05
	Budhi HPS(IPP) (2*35)	70	0	35	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	917	296	11.10	462	11.17	-0.07
H. Total Regional Entities (A-G)	25237	17610	15555	9702	271.27	11303	272.03	-0.76	

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	420	160	6.07	253
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	230	190	4.30	179
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	461	393	9.02	376
	Goindwal(GVK)	0	0	0	0.00	0
	Rajpura (2*700)	1400	358	350	10.66	444
	Talwandi Saboo (2*660)	1320	726	683	18.34	764
	Thermal (Total)	5360	2195	1776	48.39	2016
	Total Hydro	1000	278	274	6.75	281
	Total Punjab	6360	2473	2050	55.14	2298
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	236	225	5.38
DCRTPP (Yamuna nagar) (2*300)		600	558	468	11.99	500
Faridabad GPS (NTPC)		432	0	0	0.00	0
RGTPP (kheadar) (IPP) (2*600)		1200	1069	785	22.22	926
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	520	374	9.56	398
Thermal (Total)		4944	2383	1852	49.15	2048
Total Hydro		62	0	10	0.25	10
Total Haryana		5006	2383	1862	49.39	2058
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	946	1038	23.58
	suratgarh TPS (6*250)	1500	754	766	18.74	781
	Chabra TPS (4*250)	1000	595	588	13.86	577
	Dholpur GPS (3*110)	330	99	102	2.61	109
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	153	153	3.81	159
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	177	179	4.16	173
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	627	842	18.55	773
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	925	930	22.84	952
	Kawai(Adani) (2*660)	1320	948	1006	25.66	1069
	Thermal (Total)	8876	5224	5604	134	5574
	Total Hydro	550	123	182	4.53	189
	Wind power	3214	108	560	8.07	336
	Biomass	99	23	23	0.55	23
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	131	583	8.62	359
	Total Rajasthan	13469	5478	6369	146.92	6122
	UP	Anpara TPS (3*210+2*500)	1630	1378	1333	32.97
Obra TPS (2*50+2*94+5*200)		1194	395	388	9.37	390
Paricha TPS (2*110+2*220+2*250)		1140	729	699	16.44	685
Panki TPS (2*105)		210	0	0	0.00	0
Harduaaganj TPS (1*60+1*105+2*250)		665	304	332	5.96	249
Tanda TPS (NTPC) (4*110)		440	360	393	8.52	355
Roza TPS (IPP) (4*300)		1200	378	522	11.33	472
Anpara-C (IPP) (2*600)		1200	1076	990	23.59	983
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0
Anpara-D(1*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	4620	4657	108	4507
Vishnuparyag HPS (IPP)(4*110)		440	68	69	1.60	67
Alakanada(4*82.5)		330	55	0	0.97	40
Other Hydro		527	24	2	1.32	55
Cogeneration		981	800	800	19.20	800
Total UP	13547	5567	5528	131	5470	
Uttarakhand	Total Hydro	1398	542	281	9.18	383
	Total Uttarakhand	1398	542	281	9.18	383
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	41	40	0.94	39
	Praagati Gas Turbine (2x104+ 1x122)	330	135	140	3.37	140
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	249	6.01	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	159	158	3.52	147
	Thermal (Total)	2917	588	587	13.84	577
	Total Delhi	2917	588	587	13.84	577
HP	Baspa HPS (IPP) (3*100)	300	30	0	0.96	40
	Malana HPS (IPP) (2*43)	86	0	0	0.18	8
	Other Hydro	878	122	53	2.20	92
	Total HP	1264	152	53	3.34	139
J & K	Baglihar HPS (IPP) (3*150)	450	142	142	3.41	142
	Other Hydro/IPP	560	93	45	1.58	66
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	235	187	4.98	208
Total State Control Area Generation		45161	17418	16917	414.07	17253
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			5357	5373	137.23	5718
Total Regional Availability(Gross)		70398	38330	31992	822.57	34274

IV. Total Hydro Generation:

Regional Entities Hydro	12234	7068	1035	70.45	2936
State Control Area Hydro	6581	1477	1058	33	1372
Total Regional Hydro	18815	8545	2093	103.38	4307

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	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	50	200	200	200	200	100	2.06	0.23	1.83
765 KV Gwalior-Agra (D/C)	2270	1836	2804	0	2804	0	56.58	0.00	56.58
400 KV Zerda-Kankroli	-57	-263	-39	263	0	263	0.00	1.94	-1.94
400 KV Zerda-Bhinmal	41	-160	186	174	0	174	0.53	0.00	0.53
220 KV Auraiya-Malanpur	-95	-105	0	123	0	123	0.00	2.12	-2.12
220 KV Badod-Kota/Morak	-2	-56	6	57	0	57	0.00	0.29	-0.29
Mundra-Mohindergarh(HVDC Bipole)	2503	2498	2505	0	2505	0	59.78	0.00	59.78
400 KV Vindhychal - Rihand	0	0	0	0	0	0	0.00	0.00	0.00
765 KV Phagi-Gwalior (D/C)	735	660	509	0	509	0	19.48	0.00	19.48
Sub Total WR	5445	4610					138.43	4.58	133.85
Pusauli Bypass/HVDC	400	400	400	0	400	0	8.97	0.00	8.97
400 KV MZP- GKP (D/C)	-388	-164	334	492	0	492	0.00	6.87	-6.87
400 KV Patna-Balia(D/C) X 2	231	609	890	0	890	0	10.33	0.00	10.33
400 KV B' Sharif-Balia (D/C)	145	99	0	244	0	244	0.00	2.73	-2.73
765 KV Gaya-Balia	110	139	198	0	198	0	0.00	2.19	-2.19
765 KV Gaya-Fatehpur	-40	57	247	40	40	0	2.86	0.00	2.86
220 KV Pusauli-Sahupuri	-101	-185	0	185	0	185	0.00	3.32	-3.32
132 KV K'nasa-Sahupuri	0	0	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-28	-24	0	30	0	30	0.00	0.62	-0.62
132 KV Garhwa-Rihand	0	0	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-409	-172	0	409	0	409	0.00	4.25	-4.25
400 KV Barh -GKP (D/C)	492	504	644	0	644	0	12.10	0.00	12.10
Sub Total ER	412	1263					35.22	19.98	15.24
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500	0	500	0.00	11.86	-11.86
Sub Total NER	-500	-500					0.00	11.86	-11.86
Total IR Exch	5357	5373					173.64	36.41	137.23

V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)			Power Exchange Shdli (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR	
26.40	0.17	26.58	1.21	-4.61	-0.14	14.96	4.93	-4.93	
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	
32.57	119.11	151.68	3.38	133.85	137.23	-29.19	14.74	-14.45	

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	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-28	-26	0	32	0	32	0	1	-0.71

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	0.07	6.26	40.36	66.38	17.86	8.56	1.00	NA

<----- 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)	
50.31	14.03	49.79	22.07	50.01	0.052	0.070	50.29	49.96	33.62

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	409	21:44	402	09:36	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	423	05:02	401	10:12	0.0	0.0	5.9	0.0	5.9
Bareilly(PG)400kV	400	424	05:01	403	09:46	0.0	0.0	5.9	0.0	5.9
Kanpur	400	423	05:01	403	09:47	0.0	0.0	4.9	0.0	4.9
Dadrn	400	426	05:02	410	09:37	0.0	0.0	41.8	0.0	41.8
Ballabgarh	400	432	02:27	412	09:40	0.0	0.0	79.6	5.6	79.6
Bawana	400	429	02:01	412	09:38	0.0	0.0	70.9	0.0	70.9
Bassi	400	425	20:56	399	09:48	0.0	0.0	9.8	0.0	9.8
Hissar	400	423	21:38	403	09:42	0.0	0.0	5.9	0.0	5.9
Moga	400	423	02:03	409	09:35	0.0	0.0	19.5	0.0	19.5
Abdullapur	400	428	21:36	412	06:49	0.0	0.0	44.6	0.0	44.6
Nalagarh	400	437	01:46	417	09:36	0.0	0.0	91.5	27.9	91.5
Kishenpur	400	425	13:01	400	18:57	0.0	0.0	3.0	0.0	3.0
Wagoora	400	400	13:01	369	18:55	25.4	70.2	0.0	0.0	25.4
Amritsar	400	430	02:25	413	09:39	0.0	0.0	68.2	0.0	68.2
Kashipur	400	423	05:02	412	09:40	0.0	0.0	11.4	0.0	11.4
Hamirpur	400	426	01:26	413	11:36	0.0	0.0	47.5	0.0	47.5
Rishkesh	400	422	05:02	395	09:48	0.0	0.0	0.2	0.0	0.2

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	786	05:02	745	09:47	0.0	0.0	0.0	0.0	0.0
Balia	765	786	05:02	748	10:10	0.0	0.0	0.0	0.0	0.0
Moga	765	801	14:02	770	09:40	0.0	0.0	0.3	0.0	0.3
Agra	765	801	05:02	758	09:47	0.0	0.0	0.1	0.0	0.1
Bhiwani	765	806	02:01	775	09:36	0.0	0.0	24.7	0.0	24.7
Unnao	765	776	05:02	738	10:12	0.0	2.7	0.0	0.0	0.0
Lucknow	765	798	05:03	757	10:11	0.0	0.0	0.0	0.0	0.0
Meerut	765	815	05:01	775	09:40	0.0	0.0	53.6	0.0	53.6
Jhatikara	765					0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	799	05:03	758	09:47	0.0	0.0	0.0	0.0	0.0
Anta	765	782	21:12	759	09:44	0.0	0.0	0.0	0.0	0.0
Phagi	765	794	05:05	757	12:07	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	495.44	914.64	491.88	798.09	121.45	472.89
Pong	426.72	384.05	405.44	352.07	401.08	244.95	63.60	437.64
Tehri	829.79	740.04	787.95	425.00	797.64	569.00	59.41	213.00
Koteshwar	612.50	598.50	611.46	5.20	610.23	4.69	213.00	198.45
Chamera-I	760.00	748.75	758.36	0.00	0.00	0.00	38.48	34.08
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	495.60	0.13	502.73	1.91	45.53	11.48

* 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	-455	274	0	-910	238	0	-16.06	5.99	-10.08
Delhi	-844	-587	0	-546	-77	0	-13.97	-5.87	-19.84
Haryana	-656	212	0	-651	142	0	-17.34	3.90	-13.43
HP	143	237	0	205	-11	0	10.32	-0.57	9.75
J&K	720	24	0	781	37	0	16.72	0.83	17.55
CHD	-31	0	0	0	0	0	-0.25	0.13	-0.11
Rajasthan	-7	632	3	-7	561	3	8.99	13.32	22.31
UP	124	0	0	-29	0	0	-3.41	0.00	-3.41
Uttarakhand	441	23	0	383	93	0	10.50	1.53	12.03
Total	-565	815	3	-774	982	3	-4.50	19.26	14.76

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-455	-910	276	61	0	0
Delhi	-288	-874	64	-616	0	0
Haryana	-621	-958	212	-67	0	0
HP	655	143	261	-643	0	0
J&K	781	570	122	-51	0	0
CHD	0	-31	29	-20	0	0
Rajasthan	884	-7	637	184	3	3
UP	145	-420	0	0	0	0
Uttarakhand	527	383	192	3	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	4.86%
ER	0.00%
Simultaneous	0.00%

XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 31.01.2016 :

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 :