

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसईडी की पूर्ण स्वामित्व प्राप्त सख्यक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 27.01.2016
Date of Reporting : 28.01.2016



I. Regional Availability/Demand:

Demand Met	Evening Peak (19:00 Hrs) MW			Demand Met	Off Peak (03:00 Hrs) MW			Day Energy (Net MU)	
	Shortage	Requirement	Freq* (Hz)		Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
39585	1342	40927	50.07	29773	309	30081	50.10	856.8	44.41

* 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	62.21	6.60		68.81	31.38	32.68	1.30	101.49	0.00
Haryana	60.47	0.29		60.76	60.53	59.81	-0.72	120.57	0.00
Rajasthan	145.73	4.90	3.96	154.59	64.19	67.98	3.80	222.57	1.10
Delhi	13.76			13.76	52.88	52.32	-0.56	66.08	0.04
UP	134.44	4.20		138.64	99.13	99.57	0.44	238.21	31.30
Uttarakhand		9.52		9.52	22.22	24.95	2.73	34.47	1.58
HP		3.36		3.36	20.66	21.87	1.21	25.24	0.00
J & K		5.21	0.00	5.21	38.28	38.94	0.66	44.16	10.39
Chandigarh				0.00	3.69	4.03	0.27	4.03	0.00
Total	416.60	34.08	3.96	454.64	392.96	402.16	9.12	856.80	44.41

* 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	4645	0	-284	-1156	2993	0	205	-309	5432
Haryana	6631	0	-101	-434	3475	0	68	-437	6631
Rajasthan	9437	0	88	311	8644	0	295	528	10605
Delhi	3273	0	-76	-338	1351	0	-40	-1295	3857
UP	10137	830	-422	6	9738	0	-127	114	10289
Uttarakhand	1912	0	-44	708	1085	0	130	448	1925
HP	1288	0	-23	275	642	0	84	238	1397
J&K	2049	512	63	818	1749	309	10	744	2049
Chandigarh	213	0	-13	10	96	0	8	-31	241
Total	39585	1342	-812	201	29773	309	633	0	40465

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	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	1877	2015	1496	43.19	1799	42.98	0.21
	Rihand I STPS (2*500)	1000	868	918	636	18.57	774	18.57	-0.25
	Rihand II STPS (2*500)	1000	957	1017	667	20.80	867	20.95	-0.15
	Rihand III STPS (2*500)	1000	956	923	677	20.73	864	21.03	-0.30
	Dadri I STPS (4*210)	840	815	608	606	14.32	597	14.69	-0.37
	Dadri II STPS (2*490)	980	980	716	693	18.32	763	19.02	-0.71
	Unchahar I TPS (2*210)	420	406	384	299	7.82	326	8.09	-0.27
	Unchahar II TPS (2*210)	420	404	314	285	7.54	314	7.87	-0.34
	Unchahar III TPS (1*220)	210	202	166	145	3.74	156	3.96	-0.24
	ISTPP (Jhajjar) (3*500)	1500	1475	638	624	14.00	583	14.40	-0.40
	Dadri GPS (4*130.19+2*154.51)	830	813	150	369	5.64	235	6.00	-0.36
	Anta GPS (3*88.71+1*153.2)	419	415	-1	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	655	135	139	3.41	142	3.63	-0.21
	Dadri Solar	5	1	0	0	0.00	0	0.02	-0.02
	Unchahar Solar	10	1	0	0	0.00	0	0.03	-0.03
	Singrauli Solar	15	3	0	0	0.00	0	0.07	-0.07
	KHEP	800	655	0	0	2.04	85	1.97	0.07
Sub Total (A)	12112	11483	7983	6636	180	7504	184	-3	
B. NPC	NAPS (2*220)	440	415	448	461	9.93	414	9.96	-0.03
	RAPS- B (2*220)	440	381	425	426	9.15	381	9.14	0.00
	RAPS- C (2*220)	440	420	457	460	9.96	415	10.08	-0.12
	Sub Total (B)	1320	1216	1330	1347	29.04	1210	29.18	-0.15
C. NHPC	Chamera I HPS (3*180)	540	360	374	0	1.51	63	1.25	0.26
	Chamera II HPS (3*100)	300	200	202	0	0.96	40	0.90	0.06
	Chamera III HPS (3*77)	231	155	115	0	0.51	21	0.46	0.04
	Bairasuli HPS(3*60)	180	124	124	0	0.39	16	0.37	0.01
	Salal-HPS (6*115)	690	103	230	115	2.92	122	2.48	0.44
	Tanakpur-HPS (3*40)	94	17	24	17	0.47	20	0.41	0.06
	Uri-I HPS (4*120)	480	145	220	120	3.73	155	3.49	0.24
	Uri-II HPS (4*60)	240	91	152	82	2.26	94	2.19	0.07
	Dhauliganga-HPS (4*70)	280	280	208	0	0.63	26	0.50	0.14
	Dulhasi-HPS (3*130)	390	258	255	0	2.57	107	2.40	0.17
	Sewa-II HPS (3*40)	120	119	120	0	0.30	13	0.33	-0.03
Parbati 3 (4*130)	520	0	0	0	0.00	0	0.00	0.00	
Sub Total (C)	4065	1853	2023	334	16	677	15	1	
D.SJVNL	NJPC (6*250)	1500	1605	1614	0	6.20	258	6.00	0.20
	Rampur HEP (6*68.67)	412	344	373	0	1.67	70	1.55	0.12
Sub Total (D)	1912	1949	1987	0	7.87	328	7.55	0.31	
E. THDC	Tehri HPS (4*250)	1000	868	868	0	7.79	325	7.80	-0.01
	Koteshwar HPS (4*100)	400	128	402	89	3.09	129	3.08	0.01
Sub Total (E)	1400	996	1270	89	10.88	453	10.88	0.00	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	548	1001	364	13.39	558	13.86	0.23
	Dehar HPS (6*165)	990	108	495	0	2.83	118	2.60	0.23
	Pong HPS (6*66)	396	270	384	60	6.34	264	6.48	-0.14
Sub Total (F)	2765	926	1880	424	22.56	940	22.23	0.32	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.39	16	0.39	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	0.16	7	0.15	0.01
	Shree Cement TPS (2*150)	300	0	218	172	5.97	249	6.31	-0.34
	Budhi HPS(IPP) (2*35)	70	0	35	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	838	172	10.05	419	10.35	-0.30
H. Total Regional Entities (A-G)	25237	18424	17310	9002	276.74	11531	278.53	-1.79	

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	630	340	10.86	453
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	202	100	3.61	150
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	713	478	13.13	547
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1347	693	24.55	1023
	Talwandi Saboo (2*660)	1320	609	333	10.06	419
	Thermal (Total)	5360	3501	1944	62.21	2592
	Total Hydro	1000	246	212	6.60	275
	Total Punjab	6360	3747	2156	68.81	2867
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	239	223	5.42
DCRTPP (Yamuna nagar) (2*300)		600	558	455	12.11	505
Faridabad GPS (NTPC)		432	0	0	0.00	0
RGTPP (kheadar) (IPP) (2*600)		1200	1113	780	22.91	954
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	1108	741	20.04	835
Thermal (Total)		4944	3018	2199	60.47	2520
Total Hydro		62	9	8	0.29	12
Total Haryana		5006	3027	2207	60.76	2532
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1061	992	25.77
	suratgarh TPS (6*250)	1500	1040	950	25.10	1046
	Chabra TPS (4*250)	1000	493	518	13.14	548
	Dholpur GPS (3*110)	330	87	99	2.66	111
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	185	184	4.32	180
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	182	182	4.15	173
	Giral LTPS (2*125)	250	0	42	0.44	18
	Rajwast LTPS (IPP) (8*135)	1080	844	807	20.30	846
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1108	846	24.95	1039
	Kawai(Adani) (2*660)	1320	866	944	24.89	1037
	Thermal (Total)	8876	5866	5564	146	6072
	Total Hydro	550	178	187	4.90	204
	Wind power	3214	27	228	3.12	130
	Biomass	99	35	35	0.84	35
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	62	263	3.96	165
	Total Rajasthan	13469	6106	6014	154.59	6441
	UP	Anpara TPS (3*210+2*500)	1630	1314	1373	32.60
Obra TPS (2*50+2*94+5*200)		1194	293	272	6.80	283
Paricha TPS (2*110+2*220+2*250)		1140	838	733	18.70	779
Panki TPS (2*105)		210	0	0	0.00	0
Harduaaganj TPS (1*60+1*105+2*250)		665	545	553	12.80	533
Tanda TPS (NTPC) (4*110)		440	292	377	8.54	356
Roza TPS (IPP) (4*300)		1200	378	432	11.60	483
Anpara-C (IPP) (2*600)		1200	1081	1022	24.20	1008
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	4741	4762	115	4802
Vishnuparyag HPS (IPP)(4*110)		440	65	66	1.60	67
Alakanada(4*82.5)		330	71	0	1.00	42
Other Hydro		527	32	22	1.60	67
Cogeneration		981	800	800	19.20	800
Total UP	13547	5709	5650	139	5777	
Uttarakhand	Total Hydro	1398	627	356	9.52	397
	Total Uttarakhand	1398	627	356	9.52	397
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	38	40	0.85	36
	Praagati Gas Turbine (2x104+ 1x122)	330	142	140	3.33	139
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	250	4.44	185
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	5.14	214
	Thermal (Total)	2917	596	595	13.76	573
	Total Delhi	2917	596	595	13.76	573
HP	Baspa HPS (IPP) (3*100)	300	0	0	1.02	42
	Malana HPS (IPP) (2*43)	86	0	0	0.17	7
	Other Hydro	878	126	52	2.18	91
	Total HP	1264	126	52	3.36	140
J & K	Baglihar HPS (IPP) (3*150)	450	143	143	3.40	142
	Other Hydro/IPP	560	94	66	1.82	76
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	237	209	5.21	217
Total State Control Area Generation		45161	20175	17239	454.64	18943
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			5892	5459.6	149.38	6224
Total Regional Availability(Gross)		70398	43377	31701	880.77	36699

IV. Total Hydro Generation:

Regional Entities Hydro	12234	7744	848	63.53	2647
State Control Area Hydro	6581	1591	1112	34	1420
Total Regional Hydro	18815	9335	1960	97.60	4067

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)	-150	-150	50	150	0.05	3.48	-3.43
765 KV Gwalior-Agra (D/C)	2768	2383	3093	0	64.73	0.00	64.73
400 KV Zerd-Kankroli	-77	-116	60	140	0.00	1.71	-1.71
400 KV Zerd-Bhinmal	28	-20	211	100	0.93	0.00	0.93
220 KV Auraiya-Malanpur	45	-30	0	64	0.00	0.99	-0.99
220 KV Badod-Kota/Morak	1	20	24	34	0.26	0.00	0.26
Mundra-Mohindergarh (HVDC Bipole)	2497	1351	2507	0	52.43	0.00	52.43
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Phagi-Gwalior (D/C)	498	849	683	18	18.74	0.00	18.74
Sub Total WR	5610	4347			137.13	6.18	130.95
Pusauli Bypass/HVDC	400	400	400	0	8.97	0.00	8.97
400 KV MZP- GKP (D/C)	-438	-48	0	586	0.00	4.83	-4.83
400 KV Patna-Balia(D/C) X 2	433	508	551	0	11.08	0.00	11.08
400 KV B' Sharif-Balia (D/C)	-206	-82	0	290	0.00	2.88	-2.88
765 KV Gaya-Balia	187	172	187	0	1.52	0.00	1.52
765 KV Gaya-Fatehpur	41	147	304	0	4.17	0.00	4.17
220 KV Pusauli-Sahupuri	197	172	197	0	3.40	0.00	3.40
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-32	-30	0	35	0.00	0.74	-0.74
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-260	-87	35	260	0.00	1.90	-1.90
400 KV Barh -GKP (D/C)	460	461	512	346	10.68	0.00	10.68
Sub Total ER	782	1613			40.77	10.35	30.42
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	-500	0.00	11.98	-11.98
Sub Total NER	-500	-500			0.00	11.98	-11.98
Total IR Exch	5892	5460			177.90	28.51	149.38

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
31.18	0.14	31.32	-0.29	-4.32	7.97	0.01	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
43.93	99.83	143.76	18.43	130.95	149.38	-25.50	31.12	5.62

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 - Mahendarnagar	-30	-33	0	-34	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	0.00	5.38	40.13	67.28	21.56	5.75	0.17	NA

<----- 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)	(Hz)	
50.23	18.02	49.78	7.49	50.01	0.041	0.063	50.20	49.95	32.72

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	408	02:02	401	09:13	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	21:51	402	10:10	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	04:02	400	10:09	0.0	0.0	0.2	0.0	0.2
Kanpur	400	418	04:00	401	10:07	0.0	0.0	0.0	0.0	0.0
Dadr	400	427	04:01	404	11:07	0.0	0.0	25.2	0.0	25.2
Ballabgarh	400	433	04:02	408	10:06	0.0	0.0	44.0	11.7	44.0
Bawana	400	429	02:04	406	11:17	0.0	0.0	39.0	0.0	39.0
Bassi	400	423	20:51	392	11:37	0.0	0.0	7.6	0.0	7.6
Hissar	400	420	02:02	397	11:17	0.0	0.0	0.0	0.0	0.0
Moga	400	423	02:01	402	11:17	0.0	0.0	9.8	0.0	9.8
Abdullapur	400	428	02:03	408	11:36	0.0	0.0	31.5	0.0	31.5
Nalagarh	400	434	01:59	410	11:10	0.0	0.0	48.5	23.9	48.5
Kishenpur	400	420	01:59	385	11:09	0.0	3.5	0.0	0.0	0.0
Wagoora	400	398	05:18	363	10:51	65.2	91.0	0.0	0.0	65.2
Amritsar	400	430	02:01	167	14:32	0.0	0.0	39.1	0.0	39.2
Kashipur	400	422	04:02	411	10:08	0.0	0.0	11.2	0.0	11.2
Hamirpur	400	423	01:25	405	10:08	0.0	0.0	40.3	0.0	40.3
Rishkesh	400	423	04:03	390	11:37	0.0	0.0	4.7	0.0	4.7

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	778	20:05	743	10:09	0.0	0.0	0.0	0.0	0.0
Balia	765	767	04:02	742	11:17	0.0	0.0	0.0	0.0	0.0
Moga	765	802	20:01	765	11:22	0.0	0.0	0.8	0.0	0.8
Agra	765	789	20:02	755	10:12	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	02:03	765	10:10	0.0	0.0	8.6	0.0	8.6
Unnao	765	767	04:02	735	10:09	0.0	17.0	0.0	0.0	0.0
Lucknow	765	785	04:03	753	11:17	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	20:02	769	11:24	0.0	0.0	11.0	0.0	11.0
Jhatikara	765	815	04:03	771	10:07	0.0	0.0	34.2	0.0	34.2
Bareilly 765 kV	765	783	21:55	753	11:17	0.0	0.0	0.0	0.0	0.0
Anta	765	779	20:23	756	09:24	0.0	0.0	0.0	0.0	0.0
Phagi	765	790	20:55	747	10:05	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	496.24	948.89	492.91	827.99	123.18	401.62
Pong	426.72	384.05	406.20	379.44	401.71	259.17	40.35	438.54
Tehri	829.79	740.04	790.05	453.12	799.40	598.76	61.16	216.00
Koteshwar	612.50	598.50	610.98	4.95	609.83	4.44	216.00	203.27
Chamera-I	760.00	748.75	758.48	0.00	0.00	0.00	42.04	40.28
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	495.82	0.58	502.89	1.56	36.99	37.24

* 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	145	0	-910	-246	0	-16.08	0.41	-15.67
Delhi	-946	-348	0	-546	209	0	-14.66	-0.90	-15.56
Haryana	-595	158	0	-651	217	0	-16.07	2.11	-13.97
HP	163	75	0	225	50	0	10.62	-1.21	9.41
J&K	720	24	0	781	37	0	16.79	0.89	17.68
CHD	-31	0	0	0	10	0	-0.25	0.08	-0.16
Rajasthan	-7	532	3	-7	318	0	8.22	7.74	15.96
UP	114	0	0	6	0	0	-3.04	0.00	-3.04
Uttarakhand	383	65	0	383	324	0	9.32	2.16	11.48
Total	-654	652	3	-719	920	0	-5.16	11.28	6.12

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-455	-910	145	-312	0	0
Delhi	-283	-976	312	-348	0	0
Haryana	-595	-856	226	-333	0	0
HP	655	163	162	-768	0	0
J&K	781	570	146	-63	0	0
CHD	0	-31	39	0	0	0
Rajasthan	884	-7	640	-595	3	0
UP	166	-385	0	0	0	0
Uttarakhand	412	383	329	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	36.46%
ER	0.00%
Simultaneous	20.14%

XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 27.01.2016 :

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 :