

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसईएस की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 19.01.2016
Date of Reporting : 20.01.2016

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
39482	2281	41763	50.03	30035	497	30532	50.13	851.8	46.25

* 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	63.94	6.58		70.51	35.23	35.12	-0.10	105.63	0.00
Haryana	57.16	0.30		57.46	64.33	61.96	-2.37	119.42	0.00
Rajasthan	141.08	4.38	10.11	155.56	59.53	60.00	0.47	215.56	3.67
Delhi	16.42			16.42	51.46	50.72	-0.74	67.14	0.17
UP	153.12	4.36		157.48	76.81	75.55	-1.26	233.03	28.93
Uttarakhand		9.58		9.58	22.63	25.70	3.07	35.28	2.82
HP		3.19		3.19	22.17	23.47	1.31	26.66	0.03
J & K		5.44	0.00	5.44	37.66	39.73	2.07	45.17	10.64
Chandigarh				0.00	3.76	3.95	0.27	3.95	0.00
Total	431.71	33.81	10.11	475.62	373.58	376.20	2.70	851.82	46.25

* 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	4656	0	-238	-879	3152	0	-123	-450	5585
Haryana	6800	0	-75	-577	3435	0	-57	-777	6800
Rajasthan	9977	0	-52	238	8388	0	-7	666	9977
Delhi	3325	0	-74	-715	1507	11	47	-1578	3695
UP	9276	1685	13	33	9656	180	168	125	10178
Uttarakhand	1896	75	49	419	1253	0	66	391	1903
HP	1306	12	-59	93	818	0	74	320	1426
J&K	2036	509	105	831	1735	306	-2	707	2057
Chandigarh	210	0	-5	0	91	0	4	-31	224
Total	39482	2281	-336	-558	30035	497	170	-628	39482

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

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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	1533	1779	1806	35.92	1497	35.23	0.69
	Rihand I STPS (2*500)	1000	765	455	717	16.25	677	16.26	-0.02
	Rihand II STPS (2*500)	1000	956	796	750	20.49	854	19.98	0.51
	Rihand III STPS (2*500)	1000	956	1022	784	20.79	866	20.51	0.28
	Dadri I STPS (4*210)	840	815	719	598	14.44	602	14.71	-0.27
	Dadri II STPS (2*490)	980	803	803	704	18.64	777	19.01	-0.37
	Unchahar I TPS (2*210)	420	406	323	304	7.36	307	7.36	0.00
	Unchahar II TPS (2*210)	420	404	325	298	7.37	307	7.41	-0.04
	Unchahar III TPS (1*220)	210	202	163	149	3.73	155	3.71	0.02
	ISTPP (Jhajjar) (3*500)	1500	1450	1179	920	22.24	927	22.24	-0.43
	Dadri GPS (4*130.19+2*154.51)	830	815	241	240	5.70	237	6.13	-0.44
	Anta GPS (3*88.71+1*153.2)	419	415	256	255	6.09	254	6.16	-0.07
	Auraiya GPS (4*111.19+2*109.30)	663	652	148	214	4.14	173	4.32	-0.18
	Dadri Solar	5	0	0	0	0.01	0	0.00	0.00
	Unchahar Solar	10	0	0	0	0.00	0	0.00	0.00
	Singrauli Solar	15	1	0	0	0.01	0	0.02	-0.01
	Sub Total (A)	12112	11220	9005	7739	186	7745	186	0
B. NPC	NAPS (2*220)	440	413	447	457	9.90	412	9.91	-0.02
	RAPS-B (2*220)	440	405	405	406	9.72	405	9.72	0.00
	RAPS-C (2*220)	440	420	457	460	9.96	415	10.08	-0.12
	Sub Total (B)	1320	1238	1309.13	1322.59	29.57	1232	29.71	-0.14
C. NHPC	Chamera I HPS (3*180)	540	360	372	0	1.34	56	1.10	0.24
	Chamera II HPS (3*100)	300	300	301	0	1.08	45	0.90	0.17
	Chamera III HPS (3*77)	231	195	154	0	0.56	23	0.50	0.06
	Bairasul HPS(3*60)	180	124	126	0	0.48	20	0.45	0.03
	Salal-HPS (6*115)	690	102	230	100	2.81	117	2.45	0.36
	Tanakpur-HPS (3*40)	94	17	14	14	0.46	19	0.40	0.05
	Uri-I HPS (4*120)	480	177	230	120	4.47	186	4.27	0.20
	Uri-II HPS (4*80)	240	106	100	92	2.66	111	2.54	0.13
	Dhauliganga-HPS (4*70)	280	86	0	0	0.64	26	0.58	0.06
	Dulhasti-HPS (3*130)	390	258	268	0	2.86	119	2.70	0.16
	Sewa-II HPS (3*40)	120	119	118	0	0.33	14	0.33	0.00
	Parbati 3 (4*130)	520	0	0	0	0.81	34	0.00	0.81
	Sub Total (C)	4065	1844	1914	326	18	770	16	2
	D.SJVNL	NJPC (6*250)	1500	1350	1310	0	6.97	290	6.55
Rampur HEP (6*68.67)		412	344	372	0	1.97	82	1.78	0.18
Sub Total (D)		1912	1694	1682	0	8.93	372	8.34	0.60
E. THDC	Tehri HPS (4*250)	1000	896	894	0	7.91	330	7.70	0.21
	Koteshwar HPS (4*100)	400	124	403	92	3.04	127	2.98	0.06
	Sub Total (E)	1400	1020	1297	92	10.96	456	10.68	0.28
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	534	1005	341	12.92	538	12.82	0.10
	Dehar HPS (6*165)	990	120	495	0	2.98	124	2.88	0.10
	Pong HPS (6*66)	396	243	384	0	5.82	243	5.84	-0.01
	Sub Total (F)	2765	897	1884	341	21.72	905	21.53	0.19
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	630	0	3.67	153	3.60	0.07
	Malana Slg-II HPS (2*50)	100	0	0	0	0.18	8	0.17	0.01
	Shree Cement TPS (2*150)	300	0	292	296	7.09	295	7.12	-0.03
	Budhil HPS(IPP) (2*35)	70	0	35	0	0.28	12	0.28	0.00
	Sub Total (G)	1662	0	956	296	11.65	486	11.58	0.07
H. Total Regional Entities (A-G)	25237	17914	18047	10116	287.19	11966	284.16	3.03	

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	350	350	8.23	343	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	113	2.36	98	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	388	203	7.22	301	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	1066	701	24.64	1027	
	Talwandi Saboo (2*660)	1320	684	646	21.48	895	
	Thermal (Total)	5360	2588	2013	63.94	2664	
	Total Hydro	1000	245	129	6.58	274	
	Total Punjab	6360	2833	2142	70.51	2938	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	230	223	5.37	224
DCRTPP (Yamuna nagar) (2*300)		600	562	227	9.75	406	
Faridabad GPS (NTPC)		432	0	0	0.00	0	
RGTPP (khedra) (IPP) (2*600)		1200	1026	785	21.62	901	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	1157	737	20.42	851	
Thermal (Total)		4944	2975	1972	57.16	2382	
Total Hydro		62	10	11	0.30	12	
Total Haryana		5006	2985	1983	57.46	2394	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1063	1036	25.54	1064
	suratgarh TPS (6*250)	1500	973	972	24.90	1037	
	Chabra TPS (4*250)	1000	621	560	14.48	603	
	Dholpur GPS (3*110)	330	87	101	2.34	98	
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	89	196	2.58	108	
	RAPS A (NPC) (1*100+1*200)	300	165	166	4.10	171	
	Barsingsar (NLC) (2*125)	250	92	92	2.04	85	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Raiwate LTPS (IPP) (8*135)	1080	808	431	15.72	655	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1144	854	23.83	993	
	Kawal(Adani) (2*660)	1320	1196	865	25.55	1065	
	Thermal (Total)	8876	6238	5273	141	5878	
	Total Hydro	550	139	158	4.38	182	
	Wind power	3214	312	474	6.87	286	
	Biomass	99	19	19	0.45	19	
	Solar	730	0	0	2.78	116	
	Renewable/Others (Total)	4043	331	493	10.11	421	
	Total Rajasthan	13469	6708	5924	155.56	6482	
	UP	Anpara TPS (3*210+2*500)	1630	1305	1341	31.10	1296
Obra TPS (2*50+2*94+5*200)		1194	431	448	10.80	450	
Paricha TPS (2*110+2*220+2*250)		1140	657	645	17.50	729	
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaqani TPS (1*60+1*105+2*250)		665	423	432	11.40	475	
Tanda TPS (NTPC) (4*110)		440	277	276	7.12	296	
Roza TPS (IPP) (4*300)		1200	383	378	9.66	403	
Anpara-C (IPP) (2*600)		1200	648	990	21.95	915	
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	347	317	24.39	1016	
Thermal (Total)		11269	4471	4827	134	5580	
Vishnupanyag HPS (IPP)(4*110)		440	70	68	1.66	69	
Alaknanda(4*82.5)		330	0	0	1.04	43	
Other Hydro		527	54	148	1.66	69	
Cogeneration		981	800	800	19.20	800	
Total UP		13547	5395	5843	157	6562	
Uttarakhand		Total Hydro	1398	620	324	9.58	399
		Total Uttarakhand	1398	620	324	9.58	399
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	35	34	0.82	34	
	Pragati Gas Turbine (2x104+ 1x122)	330	141	140	3.31	138	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	252	6.02	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	6.28	262	
	Thermal (Total)	2917	591	591	16.42	684	
	Total Delhi	2917	591	591	16.42	684	
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.70	29	
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8	
	Other Hydro	878	119	61	2.29	95	
	Total HP	1264	119	61	3.19	133	
J & K	Baqilhar HPS (IPP) (3*150)	450	150	150	3.60	150	
	Other Hydro/IPP	560	94	66	1.84	77	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	244	216	5.44	227	
Total State Control Area Generation		45161	19495	17084	475.62	19818	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			4198	4696	114.35	4764	
Total Regional Availability(Gross)		70398	41740	31896	877.16	36548	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8203	759	67.08	2795
State Control Area Hydro	6581	1501	1115	34	1409
Total Regional Hydro	18815	9704	1874	100.89	4204

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	Import	Export	
	Vindhyachal(HVDC B/B)	200	-300	500	500	2.88	3.55	-0.68	
765 KV Gwalior-Agra (D/C)	1224	1921	2283	0	42.58	0.00	42.58		
400 KV Zerda-Kankrolli	-214	-203	0	270	0.00	4.02	-4.02		
400 KV Zerda-Bhimnal	-87	-70	127	190	0.00	1.00	-1.00		
220 KV Auraiya-Malapur	-65	-75	0	99	0.00	1.12	-1.12		
220 KV Badod-Kota/Morak	-87	-73	0	122	0.00	2.10	-2.10		
Mundra-Mohindergarh(HVDC Bipole)	2502	2098	2505	0	55.11	0.00	55.11		
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Phagi-Gwalior (D/C)	499	519	791	0	14.06	0.00	14.06		
Sub Total WR	3962	3817			114.63	11.76	102.85		
Pusaali Bypass/HVDC	-200	-300	300	200	3.68	2.01	-1.67		
400 KV MZP- GKP (D/C)	-437	-480	0	810	0.00	13.22	-13.22		
400 KV Patna-Balia(D/C) X 2	117	301	332	0	5.73	0.00	5.73		
400 KV B Sharif-Balia (D/C)	-272	-212	0	303	0.00	5.77	-5.77		
765 KV Gaya-Balia	-17	166	167	17	0.75	0.00	0.75		
765 KV Gaya-Fatehpur	144	71	369	73	1.96	0.00	1.96		
220 KV Pusaali-Sahupuri	60	175	182	0	2.48	0.00	2.48		
132 KV Knasa-Sahupuri	0	0	0	0	0.00	0.00	0.00		
132 KV Son Ngr-Rihand	-4	-26	0	-33	0.00	-0.41	0.41		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-15	-324	185	335	0.00	3.30	-3.30		
400 KV Barh-GKP (D/C)	360	408	544	0	9.23	0.00	9.23		
Sub Total ER	-264	379			23.83	23.89	-0.06		
+/- 800 KV BiswanathChariali-Agra	500	500	500	0	11.56	0.00	11.56		
Sub Total NER	500	500			11.56	0.00	11.56		
Total IR Exch	4198	4696			150.02	35.67	114.35		

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
29.61	0.13	29.74	-5.34	-13.17	-0.09	0.00	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
29.24	85.69	114.93	11.50	102.85	114.35	-17.74	17.16	-0.58

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	Import	Export	
	132 KV Tanakpur - Mahendarnagar	-28	-31	0	33	0	1	-0.72	

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	1.57	15.54	56.96	65.16	13.56	5.37	0.39	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)	
50.24	22.00	49.73	7.47	49.98	0.065	0.079	50.24	49.93	34.84

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	01:04	396	06:04	0.0	0.0	
Gorakhpur	400	419	21:55	398	07:15	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	02:03	380	07:23	0.0	0.0	0.0	0.0	0.0
Kanpur	400	411	23:47	398	07:31	0.0	0.0	0.0	0.0	0.0
Dadri	400	425	02:01	401	11:15	0.0	0.0	21.5	0.0	21.5
Ballabgarh	400	411	00:00	411	00:00	0.0	0.0	0.0	0.0	0.0
Bawana	400	428	02:40	407	11:06	0.0	0.0	33.5	0.0	33.5
Bassi	400	422	20:41	380	07:48	0.0	1.7	0.7	0.0	0.7
Hissar	400	422	21:41	400	07:48	0.0	0.0	2.0	0.0	2.0
Moga	400	423	21:21	403	07:48	0.0	0.0	6.0	0.0	6.0
Abdullapur	400	427	02:03	408	06:48	0.0	0.0	21.0	0.0	21.0
Nalagarh	400	437	02:41	413	09:22	0.0	0.0	75.5	24.3	75.5
Kishenpur	400	422	03:03	398	07:48	0.0	0.0	3.5	0.0	3.5
Wagooora	400	398	13:02	371	18:22	23.6	80.6	0.0	0.0	23.6
Amritsar	400	431	20:42	410	07:48	0.0	0.0	61.7	0.0	61.7
Kashipur	400	420	19:37	412	17:52	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	427	03:03	404	07:47	0.0	0.0	27.9	0.0	27.9
Rishikesh	400	416	20:02	397	17:54	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	778	21:45	733	07:31	0.0	8.7	
Balia	765	770	21:55	735	07:31	0.0	10.6	0.0	0.0	0.0
Moga	765	805	20:43	758	07:48	0.0	0.0	2.7	0.0	2.7
Agra	765	794	23:33	742	07:31	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	805	21:46	757	07:44	0.0	0.0	12.1	0.0	12.1
Unnao	765	772	02:03	733	11:18	0.0	5.8	0.0	0.0	0.0
Lucknow	765	787	21:55	745	11:17	0.0	0.0	0.0	0.0	0.0
Meerut	765	811	21:22	765	07:48	0.0	0.0	22.6	0.0	22.6
Jhatkara	765	806	02:40	762	07:47	0.0	0.0	15.4	0.0	15.4
Bareilly 765 kV	765	790	21:55	741	11:18	0.0	0.1	0.0	0.0	0.0
Anta	765	783	12:27	750	07:40	0.0	0.0	0.0	0.0	0.0
Phagi	765	792	12:31	718	07:49	1.1	1.8	0.0	0.0	1.1

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	497.73	1006.54	494.27	880.64	144.13	390.57
Pong	426.72	384.05	407.85	425.81	402.87	288.96	61.28	393.09
Tehri	829.79	740.04	793.80	510.56	802.80	660.00	67.19	213.00
Koteshwar	612.50	598.50	611.20	5.20	609.31	4.11	213.00	200.20
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	42.96	35.93
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	496.04	0.89	503.39	3.04	34.81	78.49

* 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	-459	9	0	-912	33	0	-16.16	0.34	-15.82
Delhi	-842	-733	-3	-545	-168	-3	-13.91	-7.12	-21.03
Haryana	-693	-84	0	-749	172	0	-18.41	1.05	-17.36
HP	101	218	0	163	-70	0	7.87	-0.52	7.34
J&K	721	-14	0	759	72	0	16.39	-0.16	16.23
CHD	-31	0	0	0	0	0	-0.24	0.37	0.12
Rajasthan	-7	671	3	-7	242	3	0.59	9.78	10.37
UP	125	0	0	33	0	0	-2.37	0.00	-2.37
Uttarakhand	384	6	0	384	35	0	9.46	0.48	9.94
Total	-700	73	0	-873	315	0	-16.80	4.21	-12.59

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-459	-912	78	0	0	0
Delhi	-282	-872	109	-784	-3	-3
Haryana	-693	-953	208	-326	0	0
HP	488	101	266	-642	0	0
J&K	759	571	96	-102	0	0
CHD	0	-31	64	-15	0	0
Rajasthan	185	-7	679	2	3	3
UP	166	-346	0	0	0	0
Uttarakhand	413	384	66	0	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	52
ER	0
Simultaneous	0

(ii)%age of times ATC violated on the inter-regional corridors

WR	86%
ER	0%
Simultaneous	25%

XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 19.01.2016 :

Scattered Drizzle on some parts of Eastern and central UP

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 :