

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसई की पूर्ण स्वामित्व प्राप्त सख्यक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 14.02.2016
Date of Reporting : 15.02.2016



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
36006	1599	37605	50.05	30631	512	31143	50.04	818.9	45.96

* 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	34.89	7.34		42.24	54.87	57.21	2.35	99.45	0.00
Haryana	36.37	0.30		36.67	72.81	73.55	0.74	110.22	0.00
Rajasthan	125.27	4.46	9.53	139.27	75.58	76.10	0.52	215.36	0.00
Delhi	13.78			13.78	44.09	42.72	-1.37	56.50	0.01
UP	119.99	4.97		124.96	103.90	108.09	4.19	233.05	35.79
Uttarakhand		9.32		9.32	24.16	23.99	-0.18	33.31	0.00
HP		2.97		2.97	22.09	21.60	-0.49	24.56	0.00
J & K		5.04	0.00	5.04	38.07	38.17	0.10	43.21	10.16
Chandigarh				0.00	3.27	3.25	0.27	3.25	0.00
Total	330.31	34.40	9.53	374.24	438.83	444.67	6.13	818.91	45.96

* 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	4259	0	44	14	3147	0	374	229	5035
Haryana	5853	0	-324	-195	3223	0	58	-173	5853
Rajasthan	8502	0	72	628	8715	0	170	707	9862
Delhi	2584	0	-378	-667	1435	0	45	-1497	3421
UP	9847	1095	-389	-655	10345	210	445	125	10540
Uttarakhand	1688	0	-10	583	1156	0	130	344	1821
HP	1090	0	-58	451	805	0	98	294	1335
J&K	2016	504	96	812	1712	302	83	721	2016
Chandigarh	167	0	1	0	93	0	12	-31	187
Total	36006	1599	-947	972	30631	512	1415	719	37687

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	1870	1972	1885	43.70	1821	43.82	-0.12
	Rihand I STPS (2*500)	1000	866	760	636	17.70	738	18.21	-0.51
	Rihand II STPS (2*500)	1000	961	724	843	19.79	825	20.99	-1.20
	Rihand III STPS (2*500)	1000	974	845	844	20.90	871	21.77	-0.88
	Dadri I STPS (4*210)	840	815	606	603	13.41	559	13.82	-0.41
	Dadri II STPS (2*490)	980	980	701	711	16.43	685	16.94	-0.51
	Unchahar I TPS (2*210)	420	406	380	327	7.89	329	8.16	-0.28
	Unchahar II TPS (2*210)	420	404	317	306	7.44	310	7.54	-0.10
	Unchahar III TPS (1*220)	210	202	153	151	3.64	151	3.70	-0.07
	ISTPP (Jhajjar) (3*500)	1500	1475	824	645	15.38	641	15.69	-0.32
	Dadri GPs (4*130.19+2*154.51)	830	815	398	498	11.04	460	11.18	-0.14
	Anta GPs (3*88.71+1*153.2)	419	415	-1	-1	0.00	0	0.00	0.00
	Auraiya GPs (4*111.19+2*109.30)	663	656	298	299	6.94	289	7.18	-0.24
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar	15	2	0	0	0.05	2	0.05	0.00
	KHEP	800	655	0	0	2.03	85	1.97	0.07
Sub Total (A)	12112	11498	7977	7747	186	7766	191	-5	
B. NPC	NAPS (2*220)	440	408	444	449	9.88	412	9.79	0.09
	RAPS- B (2*220)	440	385	431	430	9.29	387	9.24	0.05
	RAPS- C (2*220)	440	425	456	457	9.91	413	10.20	-0.29
	Sub Total (B)	1320	1218	1331	1336	29.08	1212	29.23	-0.15
	C. NHPC	Chamera I HPS (3*180)	540	360	370	0	2.40	100	2.20
Chamera II HPS (3*100)		300	200	204	0	1.36	57	1.29	0.07
Chamera III HPS (3*77)		231	184	193	0	0.61	25	0.55	0.06
Bairasuli HPS(3*60)		180	179	183	0	0.53	22	0.54	-0.01
Salal-HPS (6*115)		690	107	230	90	3.10	129	2.56	0.54
Tanakpur-HPS (3*40)		94	17	32	16	0.41	17	0.41	0.00
Uri-I HPS (4*120)		480	213	229	226	5.38	224	5.06	0.32
Uri-II HPS (4*60)		240	137	131	124	3.41	142	3.28	0.12
Dhauliganga-HPS (4*70)		280	210	212	0	0.80	33	0.70	0.10
Dulhasi-HPS (3*130)		390	386	397	0	2.56	107	2.30	0.26
Sewa-II HPS (3*40)		120	119	111	0	0.31	13	0.37	-0.06
Parbati 3 (4*130)		520	0	0	0	0.01	0	0.00	0.01
Sub Total (C)		4065	2112	2292	457	21	870	19	2
D.SJVNL	NJPC (6*250)	1500	1605	1550	0	6.33	264	6.39	-0.07
	Rampur HEP (6*68.67)	412	324	302	0	1.68	70	1.63	0.05
	Sub Total (D)	1912	1929	1852	0	8.01	334	8.02	-0.01
E. THDC	Tehri HPS (4*250)	1000	800	796	0	7.89	320	7.60	0.09
	Koteshwar HPS (4*100)	400	130	402	88	3.18	132	3.13	0.05
	Sub Total (E)	1400	930	1198	88	10.87	453	10.73	0.14
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	668	1147	394	16.19	675	16.03	0.16
	Dehar HPS (6*165)	990	103	495	0	2.38	99	2.48	-0.10
	Pong HPS (6*66)	396	298	308	249	7.03	293	7.15	-0.12
	Sub Total (F)	2765	1069	1950	643	25.60	1067	25.67	-0.06
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.35	15	0.34	0.01
	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	0.16	7	0.15	0.01
	Shree Cement TPS (2*150)	300	0	297	296	7.08	295	7.19	-0.11
	Budhi HPS(IPP) (2*35)	70	0	35	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	957	296	11.11	463	11.42	-0.31
	H. Total Regional Entities (A-G)	25237	18756	17557	10567	291.92	12163	295.40	-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	3.69	154	
	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	-0.02	-1	
	Goindwal(GVK)	0	0	0	0.00	0	
	Rajpura (2*700)	1400	710	704	22.21	926	
	Talwandi Saboo (2*660)	1320	332	336	9.03	376	
	Thermal (Total)	5360	1252	1200	34.89	1454	
	Total Hydro	1000	306	306	7.34	306	
	Total Punjab	6360	1558	1506	42.24	1760	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	631	587	13.94	581
DCRTPP (Yamuna nagar) (2*300)		600	556	458	11.75	490	
Faridabad GPS (NTPC)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	0	0	0.00	0	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	554	371	10.68	445	
Thermal (Total)		4944	1741	1416	36.37	1515	
Total Hydro		62	11	13	0.30	12	
Total Haryana		5006	1752	1429	36.67	1528	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	845	857	21.58	899
	suratgarh TPS (6*250)	1500	562	564	14.52	605	
	Chabra TPS (4*250)	1000	592	419	11.66	486	
	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	153	183	4.36	182	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingsar (NLC) (2*125)	250	177	176	4.08	170	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwst LTPS (IPP) (8*135)	1080	525	721	16.48	687	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	872	1084	25.03	1043	
	Kawai(Adani) (2*660)	1320	903	1179	27.56	1148	
	Thermal (Total)	8876	4629	5183	125	5220	
	Total Hydro	550	188	154	4.46	186	
	Wind power	3214	67	510	6.41	267	
	Biomass	99	22	22	0.52	22	
	Solar	730	7	0	2.60	108	
	Renewable/Others (Total)	4043	96	532	9.53	397	
	Total Rajasthan	13469	4913	5869	139.27	5803	
	UP	Anpara TPS (3*210+2*500)	1630	610	623	14.80	617
		Obra TPS (2*50+2*94+5*200)	1194	431	425	10.50	438
		Paricha TPS (2*110+2*220+2*250)	1140	779	790	18.10	754
		Panki TPS (2*105)	210	0	0	0.00	0
Harduaaganj TPS (1*60+1*105+2*250)		665	529	541	12.40	517	
Tanda TPS (NTPC) (4*110)		440	388	390	8.89	370	
Roza TPS (IPP) (4*300)		1200	383	554	12.00	500	
Anpara-C (IPP) (2*600)		1200	1085	990	24.10	1004	
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	4205	4313	101	4200	
Vishnuparyag HPS (IPP)(4*110)		440	66	64	1.50	63	
Alakanada(4*82.5)		330	56	0	0.87	36	
Other Hydro		527	17	142	2.60	108	
Cogeneration		981	800	800	19.20	800	
Total UP	13547	5144	5319	125	5207		
Uttarakhand	Total Hydro	1398	573	261	9.32	388	
	Total Uttarakhand	1398	573	261	9.32	388	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	37	36	0.92	38	
	Praagati Gas Turbine (2x104+ 1x122)	330	146	137	3.43	143	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	249	251	6.01	250	
	Badarpur TPS (NTPC) (3*95+2*210)	705	160	161	3.43	143	
	Thermal (Total)	2917	592	585	13.78	574	
	Total Delhi	2917	592	585	13.78	574	
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.84	35	
	Malana HPS (IPP) (2*43)	86	0	0	0.18	8	
	Other Hydro	878	122	52	1.95	81	
	Total HP	1264	122	52	2.97	124	
J & K	Baglihar HPS (IPP) (3*150)	450	142	142	3.41	142	
	Other Hydro/IPP	560	86	52	1.63	68	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	228	194	5.04	210	
Total State Control Area Generation		45161	14882	15215	374.24	15593	
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			5528	5477	160.98	6707	
Total Regional Availability(Gross)		70398	37967	31259	827.13	34464	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	7917	1188	71.27	2970
State Control Area Hydro	6581	1567	1186	34	1433
Total Regional Hydro	18815	9484	2374	105.67	4403

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)	-300	-500	0	500	0.00	8.99	-8.99	
765 KV Gwalior-Agra (D/C)	2212	2582	3158	0	67.23	0.00	67.23		
400 KV Zarda-Kankroli	-76	-153	77	179	0.00	0.72	-0.72		
400 KV Zarda-Bhinmal	34	-75	210	130	1.49	0.00	1.49		
220 KV Auraiya-Malanpur	-132	-78	0	132	0.00	2.23	-2.23		
220 KV Badod-Kota/Morak	33	16	70	11	0.13	0.00	0.13		
Mundra-Mohindergarh(HVDC Bipole)	2502	2000	2506	0	55.66	0.00	55.66		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Phagi-Gwalior (D/C)	876	717	1193	654	22.19	0.00	22.19		
Sub Total WR	5149	4509			146.70	11.93	134.77		
Pusauli Bypass/HVDC	300	200	300	314	3.25	1.39	1.86		
400 KV MZP- GKP (D/C)	-480	-308	0	568	0.00	8.14	-8.14		
400 KV Patna-Balia(D/C) X 2	449	653	811	0	15.26	0.00	15.26		
400 KV B' Sharif-Balia (D/C)	-170	-54	0	197	0.00	1.20	-1.20		
765 KV Gaya-Balia	156	185	297	0	2.41	0.00	2.41		
765 KV Gaya-Fatehpur	64	101	284	0	3.76	0.00	3.76		
220 KV Pusauli-Sahupuri	-90	-158	172	0	3.08	0.00	3.08		
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00		
132 KV Son Ngr-Rihand	-25	-26	0	30	0.00	0.59	-0.59		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-203	-139	194	203	0.00	1.36	-1.36		
400 KV Barh -GKP (D/C)	378	514	536	0	11.13	0.00	11.13		
Sub Total ER	379	968			38.90	12.68	26.21		
+/- 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	5528	5477			185.60	24.62	160.98		

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
30.02	0.07	30.09	3.52	-2.85	0.02	23.48	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
33.63	136.84	170.47	26.21	134.77	160.98	-7.42	-2.07	-9.49

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	-38	-32	0	34	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	0.00	1.92	36.42	67.30	22.70	7.35	0.87	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum	Minimum		MAX (Hz)				MIN (Hz)		
Freq	Time	Freq	Time	Hz	Index	Std. Dev.	MAX (Hz)	MIN (Hz)	Freq Dev Index (% of Time)
50.39	18.03	49.83	22.08	50.02	0.043	0.062	50.19	50.01	32.70

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	406	07:03	400	09:26	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	08:17	404	22:10	0.0	0.0	0.7	0.0	0.7
Bareilly(PG)400kV	400	422	08:04	404	12:34	0.0	0.0	1.5	0.0	1.5
Kanpur	400	421	05:02	407	09:30	0.0	0.0	0.1	0.0	0.1
Dadrh	400	423	21:29	407	10:13	0.0	0.0	10.1	0.0	10.1
Ballabgarh	400	431	04:07	412	12:28	0.0	0.0	67.9	0.2	67.9
Bawana	400	431	01:27	411	12:27	0.0	0.0	64.8	0.3	64.8
Bassi	400	425	21:32	398	08:27	0.0	0.0	7.7	0.0	7.7
Hissar	400	424	21:31	401	12:29	0.0	0.0	4.7	0.0	4.7
Moga	400	422	21:01	401	12:27	0.0	0.0	2.6	0.0	2.6
Abdullapur	400	424	01:27	408	12:14	0.0	0.0	16.0	0.0	16.0
Nalagarh	400	432	19:53	412	11:17	0.0	0.0	74.3	4.4	74.3
Kishenpur	400	421	01:30	398	08:22	0.0	0.0	3.6	0.0	3.6
Wagoora	400	398	06:17	370	08:22	35.8	79.0	0.0	0.0	35.8
Amritsar	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Kashipur	400	422	21:30	416	22:08	0.0	0.0	17.1	0.0	17.1
Hamirpur	400	423	02:53	403	10:10	0.0	0.0	7.3	0.0	7.3
Rishkesh	400	416	18:03	404	22:08	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	775	05:02	743	22:08	0.0	0.0	0.0	0.0	0.0
Balia	765	750	00:00	750	00:00	0.0	0.0	0.0	0.0	0.0
Moga	765	798	21:30	760	12:29	0.0	0.0	0.0	0.0	0.0
Agra	765	791	04:04	755	09:35	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	805	21:30	770	09:38	0.0	0.0	20.9	0.0	20.9
Unnao	765	774	08:13	749	10:13	0.0	0.0	0.0	0.0	0.0
Lucknow	765	791	08:16	762	12:33	0.0	0.0	0.0	0.0	0.0
Meerut	765	811	20:56	772	12:33	0.0	0.0	31.1	0.0	31.1
Jhatikara	765					0.0	0.0	40.0	0.0	40.0
Bareilly 765 kV	765	793	08:04	762	10:14	0.0	0.0	0.0	0.0	0.0
Anta	765	782	18:00	756	09:16	0.0	0.0	0.0	0.0	0.0
Phagi	765	791	18:04	751	09:17	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	491.95	798.09	487.15	644.48	144.59	507.58
Pong	426.72	384.05	402.06	266.33	399.70	209.93	57.17	497.92
Tehri	829.79	740.04	780.80	320.96	791.35	468.05	59.95	222.00
Koteshwar	612.50	598.50	611.12	5.13	610.25	4.69	222.00	209.22
Chamera-I	760.00	748.75	757.78	0.00	0.00	0.00	56.52	64.43
Rihand	268.22	252.98	847.10	0.00	848.70	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	495.71	0.00	501.35	2.88	48.05	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	-97	326	0	-272	286	0	-2.68	7.47	4.79
Delhi	-943	-555	0	-707	39	0	-17.34	-3.22	-20.56
Haryana	-348	176	0	-374	179	0	-9.66	4.27	-5.39
HP	164	130	0	461	-10	0	9.58	-0.70	8.88
J&K	721	0	0	788	24	0	16.07	0.23	16.30
CHD	-31	0	0	0	0	0	-0.24	-0.02	-0.26
Rajasthan	-3	707	3	-3	629	3	8.54	15.20	23.74
UP	125	0	0	-655	0	0	-8.96	0.00	-8.96
Uttarakhand	192	152	0	192	391	0	4.72	5.19	9.92
Total	-220	936	3	-571	1540	3	0.03	28.42	28.45

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-68	-272	330	286	0	0
Delhi	-505	-973	267	-575	0	0
Haryana	-348	-578	254	46	0	0
HP	535	164	154	-702	0	0
J&K	788	586	98	-153	0	0
CHD	0	-31	0	-36	0	0
Rajasthan	843	-3	715	564	3	3
UP	155	-655	0	0	0	0
Uttarakhand	220	192	479	101	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 14.02.2016 :

Normal

XV. Synchronisation of new generating units :

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

0.00
0.00

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :