

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिस्टम की पूर्ण स्वामित्व प्राप्त सख्यक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 24.02.2016
Date of Reporting : 25.02.2016



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
36976	2746	39722	50.09	30724	841	31564	50.12	839.3	50.38

* 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	38.23	7.33		45.56	56.55	56.08	-0.47	101.64	0.00
Haryana	44.16	0.29		44.45	76.39	77.51	1.13	121.96	0.00
Rajasthan	128.94	5.39	3.80	138.13	76.97	79.69	2.72	217.82	0.00
Delhi	13.87			13.87	43.85	39.11	-4.74	52.98	0.00
UP	134.91	2.49		137.40	100.89	102.77	1.88	240.17	40.49
Uttarakhand		10.35		10.35	22.30	23.78	1.48	34.13	0.00
HP		3.40		3.40	21.75	21.76	0.00	25.16	0.01
J & K		8.17	0.00	8.17	34.77	33.85	-0.91	42.02	9.88
Chandigarh				0.00	3.48	3.47	0.27	3.47	0.00
Total	360.11	37.42	3.80	401.33	436.93	438.01	1.36	839.34	50.38

* 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	4385	0	-145	-324	3003	0	44	227	5332
Haryana	5968	0	-147	-119	3692	0	149	-494	6057
Rajasthan	8452	0	52	703	8693	0	267	720	10163
Delhi	3045	0	141	-672	1563	0	130	-1530	3197
UP	10131	2260	283	59	10043	545	92	130	10822
Uttarakhand	1742	0	7	394	1181	0	60	303	1800
HP	1125	0	-42	204	783	0	50	306	1416
J&K	1943	486	20	609	1676	296	-93	612	2019
Chandigarh	185	0	-3	-20	90	0	4	-30	192
Total	36976	2746	166	834	30724	841	703	244	38394

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

Diversity is 1.07

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	1890	2016	2064	45.60	1900	45.25	0.35
	Rihand I STPS (2*500)	1000	854	900	787	18.87	786	18.71	0.16
	Rihand II STPS (2*500)	1000	958	958	886	21.85	910	21.64	0.21
	Rihand III STPS (2*500)	1000	969	1009	948	22.22	926	22.39	-0.17
	Dadri I STPS (4*210)	840	815	608	602	13.55	565	13.91	-0.36
	Dadri II STPS (2*490)	980	980	720	697	17.07	711	17.92	-0.85
	Unchahar I TPS (2*210)	420	406	386	336	8.12	338	8.40	-0.28
	Unchahar II TPS (2*210)	420	404	348	317	7.61	317	7.59	0.02
	Unchahar III TPS (1*220)	210	202	180	152	3.85	160	3.92	-0.07
	ISTPP (Jhajhar) (3*500)	1500	950	632	638	14.57	607	14.89	-0.32
	Dadri GPS (4*130.19+2*154.51)	830	816	373	364	8.53	356	8.79	-0.26
	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	493	168	297	5.75	240	5.85	-0.10
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	2	0	0	0.04	1	0.04	0.00
	Singrauli Solar	15	3	0	0	0.06	3	0.07	0.00
	KHEP	800	543	0	0	2.62	109	2.30	0.32
Sub Total (A)	12112	10700	8298	8088	190	7930	192	-1	
B. NPC	NAPS (2*220)	440	408	446	458	9.88	412	9.79	0.08
	RAPS- B (2*220)	440	384	423	430	9.24	385	9.22	0.03
	RAPS- C (2*220)	440	425	455	458	9.85	410	10.20	-0.35
	Sub Total (B)	1320	1217	1324	1346	28.97	1207	29.21	-0.24
C. NHPC	Chamera I HPS (3*180)	540	360	375	0	3.53	147	3.14	0.39
	Chamera II HPS (3*100)	300	200	206	0	1.46	61	1.34	0.12
	Chamera III HPS (3*77)	231	231	230	0	0.73	30	0.69	0.04
	Bairasuli HPS(3*60)	180	182	183	0	0.92	38	0.87	0.05
	Salal-HPS (6*115)	690	150	345	137	4.55	190	3.57	0.98
	Tanakpur-HPS (3*40)	94	16	29	14	0.43	18	0.39	0.04
	Uri-I HPS (4*120)	480	344	344	352	8.61	359	8.23	0.38
	Uri-II HPS (4*60)	240	175	178	178	4.23	176	4.20	0.04
	Dhauliganga-HPS (4*70)	280	280	286	0	0.70	29	0.63	0.07
	Dulhasti-HPS (3*130)	390	387	401	0	3.23	135	2.98	0.25
	Sewa-II HPS (3*40)	120	119	128	0	0.63	26	0.60	0.03
	Parbati 3 (4*130)	520	130	130	0	0.38	16	0.39	-0.01
	Sub Total (C)	4065	2574	2834	681	29	1225	27	2
D.SJVNL	NJPC (6*250)	1500	1605	1624	0	6.72	280	6.55	0.17
	Rampur HEP (6*68.67)	412	375	373	0	1.84	77	1.76	0.08
Sub Total (D)	1912	1980	1997	0	8.56	357	8.31	0.24	
E. THDC	Tehri HPS (4*250)	1000	756	756	0	7.08	295	7.00	0.08
	Koteshwar HPS (4*100)	400	130	181	91	3.19	133	3.13	0.06
Sub Total (E)	1400	886	937	91	10.26	428	10.13	0.13	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	618	1182	366	15.25	635	14.84	0.41
	Dehar HPS (6*165)	990	142	495	0	3.23	134	3.40	-0.17
	Pong HPS (6*66)	396	212	295	59	4.84	202	5.09	-0.25
	Sub Total (F)	2765	972	1972	425	23.31	971	23.32	-0.01
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	3.38	141	3.60	-0.22
	Malana Stg-II HPS (2*50)	100	0	0	0	0.18	8	0.17	0.01
	Shree Cement TPS (2*150)	300	0	294	300	7.09	295	7.15	-0.07
	Budhi HPS(IPP) (2*35)	70	0	35	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	959	300	11.21	467	11.47	-0.25
	Sub Total (G)	25237	18329	18322	10930	302.06	12586	301.17	0.89

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	4.05	169	
	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	-0.07	-3	
	Goindwal(GVK)	0	0	0	0.00	0	
	Rajpura (2*700)	1400	1172	707	24.40	1017	
	Talwandi Saboo (2*660)	1320	345	345	9.87	411	
	Thermal (Total)	5360	1727	1212	38.23	1593	
	Total Hydro	1000	293	247	7.33	306	
	Total Punjab	6360	2020	1459	45.56	1898	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	217	218	5.25	219
DCRTPP (Yamuna nagar) (2*300)		600	552	462	12.32	513	
Faridabad GPS (NTPC)		432	188	157	4.35	181	
RGTPP (Khedar) (IPP) (2*600)		1200	479	391	10.73	447	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	557	372	11.50	479	
Thermal (Total)		4944	1993	1600	44.16	1840	
Total Hydro		62	9	13	0.29	12	
Total Haryana		5006	2002	1613	44.45	1852	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	853	933	22.29	929
	suratgarh TPS (6*250)	1500	566	684	16.41	684	
	Chabra TPS (4*250)	1000	566	640	15.73	655	
	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	89	2.03	84	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingsar (NLC) (2*125)	250	90	90	2.03	85	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	768	845	20.17	840	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	471	1130	22.14	923	
	Kawail(Adani) (2*660)	1320	1166	1167	28.15	1173	
	Thermal (Total)	8876	4563	5578	129	5372	
	Total Hydro	550	271	158	5.39	225	
	Wind power	3214	13	12	0.70	29	
	Biomass	99	11	11	0.27	11	
	Solar	730	4	0	2.83	118	
	Renewable/Others (Total)	4043	28	23	3.80	158	
	Total Rajasthan	13469	4862	5759	138.13	5755	
	UP	Anpara TPS (3*210+2*500)	1630	1221	1238	29.60	1233
		Obra TPS (2*50+2*94+5*200)	1194	306	297	7.10	296
		Paricha TPS (2*110+2*220+2*250)	1140	796	795	19.00	792
		Panki TPS (2*105)	210	0	0	0.00	0
Harduaaganj TPS (1*60+1*105+2*250)		665	307	310	7.40	308	
Tanda TPS (NTPC) (4*110)		440	287	300	7.00	292	
Roza TPS (IPP) (4*300)		1200	824	824	19.41	809	
Anpara-C (IPP) (2*600)		1200	536	536	12.77	532	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0	
Anpara-D(1*500)		500	0	0	3.80	158	
Lalitpur TPS(2*660)		1320	0	0	0.00	0	
Bara(2*660)		1320	0	500	9.64	401	
Thermal (Total)		11269	4277	4800	116	4821	
Vishnuparyag HPS (IPP)(4*110)		440	0	0	0.00	0	
Alakanada(4*82.5)		330	0	0	0.36	15	
Other Hydro		527	221	16	2.13	89	
Cogeneration		981	800	800	19.20	800	
Total UP	13547	5298	5616	137	5725		
Uttarakhand	Total Hydro	1398	600	340	10.35	431	
	Total Uttarakhand	1398	600	340	10.35	431	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	39	39	0.91	38	
	Praagati Gas Turbine (2x104+ 1x122)	330	145	146	3.49	145	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	252	252	6.00	250	
	Badarpur TPS (NTPC) (3*95+2*210)	705	162	161	3.47	145	
	Thermal (Total)	2917	598	597	13.87	578	
	Total Delhi	2917	598	597	13.87	578	
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.00	0	
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8	
	Other Hydro	878	142	95	3.20	133	
	Total HP	1264	142	95	3.40	142	
J & K	Baglihar HPS (IPP) (3*150)	450	232	231	5.41	225	
	Other Hydro/IPP	560	138	123	2.76	115	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	370	354	8.17	340	
Total State Control Area Generation		45161	15892	15833	401.33	16722	
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			6282.51	5103.97	157.98	6582	
Total Regional Availability(Gross)		70398	40496	31867	861.37	35890	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8371	1196	78.15	3256
State Control Area Hydro	6581	1906	1223	37	1559
Total Regional Hydro	18815	10277	2419	115.57	4816

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)	-100	-500	0	500	0.00	7.22	-7.22	
765 KV Gwalior-Agra (D/C)	2466	2462	3206	0	65.23	0.00	65.23		
400 KV Zarda-Kankroli	-28	-117	128	129	0.00	0.62	-0.62		
400 KV Zarda-Bhimnal	61	-20	242	71	1.69	0.00	1.69		
220 KV Auraiya-Malanpur	-78	-96	0	133	0.00	2.01	-2.01		
220 KV Badod-Kota/Morak	30	-18	51	18	0.51	0.00	0.51		
Mundra-Mohindergarh(HVDC Bipole)	2203	2002	2505	0	51.98	0.00	51.98		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Phagi-Gwalior (D/C)	1050	669	1269	669	22.67	0.00	22.67		
Sub Total WR	5606	4382			142.07	9.85	132.22		
Pusauli Bypass/HVDC	400	200	400	0	6.83	0.00	6.83		
400 KV MZP- GKP (D/C)	-602	-312	0	710	0.00	8.56	-8.56		
400 KV Patna-Balia(D/C) X 2	505	390	669	0	11.94	0.00	11.94		
400 KV B' Sharif-Balia (D/C)	-246	-101	13	288	0.00	2.59	-2.59		
765 KV Gaya-Balia	95	135	213	0	1.99	0.00	1.99		
765 KV Gaya-Fatehpur	110	38	320	0	3.93	0.00	3.93		
220 KV Pusauli-Sahupuri	171	188	194	0	3.69	0.00	3.69		
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96		
132 KV Son Ngr-Rihand	-27	-26	0	40	0.00	0.53	-0.53		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-217	-180	47	254	0.00	2.30	-2.30		
400 KV Barh -GKP (D/C)	488	390	510	0	10.41	0.00	10.41		
Sub Total ER	677	722			39.75	13.99	25.76		
+/- 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	6283	5104			181.81	23.83	157.98		

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
32.48	0.28	32.76	2.96	-2.57	0.02	22.07	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
35.74	125.41	161.16	25.76	132.22	157.98	-9.99	6.81	-3.18

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	-31	-28	0	32	0	1	0	

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	0.22	7.04	52.84	74.50	13.78	4.39	0.35	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)
50.26	18.03	49.78	18.43	50.00	0.043	0.065	50.18	49.95	25.50

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	404	02:03	398	12:10	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	05:01	403	11:06	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	05:01	389	12:24	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	05:01	401	12:15	0.0	0.0	0.0	0.0	0.0
Dadrh	400	422	02:00	401	12:15	0.0	0.0	8.9	0.0	8.9
Ballabgarh	400	429	02:23	406	11:38	0.0	0.0	31.6	0.0	31.6
Bawana	400	429	02:23	404	12:15	0.0	0.0	32.8	0.0	32.8
Bassi	400	423	21:30	394	11:41	0.0	0.0	4.4	0.0	4.4
Hissar	400	420	02:24	394	12:15	0.0	0.0	0.0	0.0	0.0
Moga	400	424	02:25	400	12:40	0.0	0.0	12.9	0.0	12.9
Abdullapur	400	424	21:14	402	12:15	0.0	0.0	10.5	0.0	10.5
Nalagarh	400	434	02:00	400	12:18	0.0	0.0	39.6	19.0	39.6
Kishenpur	400	424	02:02	399	07:49	0.0	0.0	15.9	0.0	15.9
Wagoora	400	406	13:01	374	19:03	20.9	51.8	0.0	0.0	20.9
Amritsar	400	429	02:00	403	12:16	0.0	0.0	32.7	0.0	32.7
Kashipur	400	421	00:00	410	15:56	0.0	0.0	5.7	0.0	5.7
Hamirpur	400	425	00:00	402	15:42	0.0	0.0	59.7	0.0	59.7
Rishkesh	400	415	02:01	390	12:15	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	771	05:01	741	11:10	0.0	0.4	0.0	0.0	0.0
Balia	765	770	13:02	742	10:19	0.0	0.0	0.0	0.0	0.0
Moga	765	806	02:03	764	12:38	0.0	0.0	13.6	0.0	13.6
Agra	765	788	21:29	755	11:09	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	21:13	762	11:34	0.0	0.0	10.4	0.0	10.4
Unnao	765	767	05:01	741	11:06	0.0	1.9	0.0	0.0	0.0
Lucknow	765	784	05:01	756	11:09	0.0	0.0	0.0	0.0	0.0
Meerut	765	813	02:25	766	12:15	0.0	0.0	24.6	0.0	24.6
Jhatikara	765					0.0	0.0	26.7	0.0	26.7
Bareilly 765 kV	765	789	05:01	413	22:24	0.1	0.1	0.0	0.0	0.1
Anta	765	776	18:02	754	12:17	0.0	0.0	0.0	0.0	0.0
Phagi	765	789	21:31	749	11:34	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	489.15	709.72	483.52	544.27	156.82	495.63
Pong	426.72	384.05	399.68	209.93	399.23	203.01	37.32	350.73
Tehri	829.79	740.04	775.20	265.16	786.05	398.53	64.56	213.00
Koteshwar	612.50	598.50	611.02	4.95	610.45	4.69	213.00	209.84
Chamera-I	760.00	748.75	756.86	0.00	0.00	0.00	74.04	95.15
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	496.10	0.57	500.95	3.07	76.53	37.30

* 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	-96	323	0	-617	293	0	-3.71	7.54	3.84
Delhi	-1089	-440	0	-628	-44	0	-18.29	-3.02	-21.31
Haryana	-328	-166	0	-354	234	0	-9.18	4.17	-5.01
HP	225	81	0	351	-147	0	10.70	-1.63	9.07
J&K	714	-102	0	609	0	0	15.21	-1.35	13.86
CHD	-30	0	0	0	-20	0	-0.24	-0.12	-0.37
Rajasthan	-7	725	3	-7	708	3	8.48	16.90	25.39
UP	130	0	0	59	0	0	-6.84	0.00	-6.84
Uttarakhand	193	110	0	193	201	0	4.74	4.23	8.98
Total	-290	531	3	-394	1224	3	0.88	26.73	27.61

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-68	-617	347	232	0	0
Delhi	-502	-1119	123	-440	0	0
Haryana	-328	-557	253	-351	0	0
HP	716	225	127	-617	0	0
J&K	714	579	0	-152	0	0
CHD	0	-30	0	-41	0	0
Rajasthan	843	-7	1000	518	3	3
UP	160	-753	0	0	0	0
Uttarakhand	221	193	375	55	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 24.02.2016 :

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 :