

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सख्यक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 19.02.2016
Date of Reporting : 20.02.2016



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
37628	1454	39082	50.09	30110	882	30992	50.12	833.0	46.79

* 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	34.64	7.58		42.21	57.42	55.56	-1.86	97.77	0.00
Haryana	44.40	0.33		44.73	70.00	66.60	-3.41	111.33	0.00
Rajasthan	118.84	4.68	10.09	133.60	73.74	77.95	4.22	211.56	0.90
Delhi	13.80			13.80	46.78	47.29	0.51	61.09	0.17
UP	127.89	5.20		133.09	106.72	109.75	3.03	242.84	35.37
Uttarakhand		9.79		9.79	23.52	24.73	1.20	34.52	0.00
HP		2.32		2.32	23.32	24.14	0.82	26.47	0.02
J & K		4.71	0.00	4.71	38.86	39.13	0.28	43.84	10.33
Chandigarh				0.00	3.51	3.58	0.27	3.58	0.00
Total	339.56	34.61	10.09	384.26	443.88	448.72	5.05	832.98	46.79

* 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	4283	0	-142	15	3076	0	-9	242	5325
Haryana	6119	0	-38	-52	3142	0	41	-186	6119
Rajasthan	8840	0	166	680	8189	0	144	683	9963
Delhi	3047	0	-70	-701	1483	0	112	-1555	3507
UP	10180	950	-301	-601	10403	575	122	135	10709
Uttarakhand	1733	0	21	531	1160	0	60	343	1789
HP	1226	0	-47	378	826	0	99	338	1412
J&K	2016	504	82	795	1741	307	36	728	2030
Chandigarh	185	0	-10	0	91	0	4	-30	202
Total	37628	1454	-339	1045	30110	882	609	696	39169

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	1884	2029	1796	44.27	1845	43.72	0.54
	Rihand I STPS (2*500)	1000	869	909	698	18.91	788	18.47	0.42
	Rihand II STPS (2*500)	1000	958	999	807	21.52	897	20.61	0.91
	Rihand III STPS (2*500)	1000	974	1039	830	21.93	914	21.52	0.42
	Dadri I STPS (4*210)	840	815	574	564	14.31	596	14.76	-0.45
	Dadri II STPS (2*490)	980	878	751	686	15.45	644	16.48	-1.02
	Unchahar I TPS (2*210)	420	406	362	316	8.10	337	8.21	-0.12
	Unchahar II TPS (2*210)	420	404	314	306	7.64	318	7.49	0.15
	Unchahar III TPS (1*220)	210	202	156	153	3.82	159	3.83	-0.02
	ISTPP (Jhajhar) (3*500)	1500	1475	965	614	15.24	635	15.59	-0.35
	Dadri GPs (4*130.19+2*154.51)	830	814	511	498	11.72	488	11.85	-0.13
	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	288	295	7.02	293	7.29	-0.27
	Dadri Solar	5	1	0	0	0.01	0	0.02	0.00
	Unchahar Solar	10	1	0	0	0.04	2	0.03	0.01
	Singrauli Solar	15	2	0	0	0.06	3	0.06	0.01
	KHEP	800	435	436	0	1.43	59	1.35	0.08
Sub Total (A)	12112	11190	9332	7562	191	7977	191	0	
B. NPC	NAPS (2*220)	440	412	436	452	9.73	405	9.89	-0.16
	RAPS- B (2*220)	440	384	421	414	9.09	379	9.22	-0.13
	RAPS- C (2*220)	440	425	451	455	9.76	407	10.20	-0.44
	Sub Total (B)	1320	1221	1308	1321	28.58	1191	29.30	-0.72
C. NHPC	Chamera I HPS (3*180)	540	360	372	0	2.37	99	2.00	0.37
	Chamera II HPS (3*100)	300	200	206	0	1.09	45	1.00	0.09
	Chamera III HPS (3*77)	231	155	158	0	0.50	21	0.46	0.04
	Bairasuli HPS(3*60)	180	179	177	0	0.69	29	0.64	0.05
	Salal-HPS (6*115)	690	99	260	90	2.55	106	2.38	0.17
	Tanakpur-HPS (3*40)	94	14	12	13	0.39	16	0.35	0.04
	Uri-I HPS (4*120)	480	231	327	225	5.93	247	5.52	0.41
	Uri-II HPS (4*60)	240	139	159	149	3.88	162	3.33	0.55
	Dhauliganga-HPS (4*70)	280	280	217	0	0.64	26	0.56	0.07
	Dulhasti-HPS (3*130)	390	387	405	0	2.78	116	2.50	0.28
	Sewa-II HPS (3*40)	120	119	121	0	0.37	15	0.37	0.00
	Parbati 3 (4*130)	520	0	0	0	0.00	0	0.00	0.00
Sub Total (C)	4065	2163	2413	477	21	882	19	2	
D.SJVNL	NJPC (6*250)	1500	1605	1591	0	6.05	252	6.00	0.05
	Rampur HEP (6*68.67)	412	442	365	0	1.67	70	1.67	0.00
	Sub Total (D)	1912	2047	1956	0	7.72	322	7.67	0.05
E. THDC	Tehri HPS (4*250)	1000	780	777	0	7.48	312	7.40	0.08
	Koteshwar HPS (4*100)	400	130	403	90	3.22	134	3.13	0.09
	Sub Total (E)	1400	910	1180	90	10.70	446	10.53	0.17
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	695	1214	392	16.71	696	16.67	0.04
	Dehar HPS (6*165)	990	113	495	0	2.71	113	2.72	-0.01
	Pong HPS (6*66)	396	290	360	120	6.75	281	6.96	-0.22
	Sub Total (F)	2765	1098	2069	512	26.17	1090	26.35	-0.18
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.40	17	0.38	0.02
	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	143	300	5.97	249	7.16	-1.20
	Budhi HPS(IPP) (2*35)	70	0	34	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	762	300	10.05	419	11.20	-1.15
H. Total Regional Entities (A-G)	25237	18629	19021	10262	295.86	12327	295.45	0.41	

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	160	160	3.53	147	
	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	-0.08	-3	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	713	712	22.90	954	
	Talwandi Saboo (2*660)	1320	338	343	8.31	346	
	Thermal (Total)	5360	1211	1215	34.64	1443	
	Total Hydro	1000	308	303	7.58	316	
	Total Punjab	6360	1519	1518	42.21	1759	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	614	579	13.80	575
DCRTPP (Yamuna nagar) (2*300)		600	543	460	11.57	482	
Faridabad GPS (NTPC)		432	187	160	4.43	184	
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	543	722	14.61	609	
Thermal (Total)		4944	1887	1921	44.40	1850	
Total Hydro		62	10	12	0.33	14	
Total Haryana		5006	1897	1933	44.73	1864	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	699	676	17.48	728
	suratgarh TPS (6*250)	1500	415	386	9.93	414	
	Chabra TPS (4*250)	1000	590	591	15.19	633	
	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	75	68	1.90	79	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingsar (NLC) (2*125)	250	90	89	1.97	82	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwst LTPS (IPP) (8*135)	1080	922	833	20.69	862	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	972	850	23.80	992	
	Kawai(Adani) (2*660)	1320	1102	1188	27.87	1161	
	Thermal (Total)	8876	4865	4681	119	4951	
	Total Hydro	550	138	139	4.68	195	
	Wind power	3214	142	570	8.54	356	
	Biomass	99	20	20	0.49	20	
	Solar	730	0	0	1.05	44	
	Renewable/Others (Total)	4043	162	590	10.09	420	
	Total Rajasthan	13469	5165	5410	133.60	5567	
	UP	Anpara TPS (3*210+2*500)	1630	1405	1382	33.20	1383
		Obra TPS (2*50+2*94+5*200)	1194	468	424	10.50	438
		Paricha TPS (2*110+2*220+2*250)	1140	741	783	18.40	767
		Panki TPS (2*105)	210	0	0	0.00	0
Harduaaganj TPS (1*60+1*105+2*250)		665	218	225	5.30	221	
Tanda TPS (NTPC) (4*110)		440	374	375	8.89	370	
Roza TPS (IPP) (4*300)		1200	815	829	19.60	817	
Anpara-C (IPP) (2*600)		1200	542	540	12.80	533	
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	4563	4558	109	4529	
Vishnuparyag HPS (IPP)(4*110)		440	60	58	1.40	58	
Alakanada(4*82.5)		330	82	0	1.00	42	
Other Hydro		527	49	145	2.80	117	
Cogeneration		981	800	800	19.20	800	
Total UP	13547	5554	5561	133	5545		
Uttarakhand	Total Hydro	1398	586	287	9.79	408	
	Total Uttarakhand	1398	586	287	9.79	408	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	34	38	0.90	37	
	Praagati Gas Turbine (2x104+ 1x122)	330	140	141	3.37	140	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	252	252	6.05	252	
	Badarpur TPS (NTPC) (3*95+2*210)	705	164	164	3.50	146	
	Thermal (Total)	2917	590	595	13.80	575	
	Total Delhi	2917	590	595	13.80	575	
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.00	0	
	Malana HPS (IPP) (2*43)	86	0	0	0.17	7	
	Other Hydro	878	105	54	2.16	90	
	Total HP	1264	105	54	2.32	97	
J & K	Baglihar HPS (IPP) (3*150)	450	113	113	2.74	114	
	Other Hydro/IPP	560	107	63	1.97	82	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	220	176	4.71	196	
Total State Control Area Generation		45161	15636	15534	384.26	16011	
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			6241.19	5341.08	171.66	7152	
Total Regional Availability(Gross)		70398	40898	31137	851.77	35490	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8639	1079	71.13	2964
State Control Area Hydro	6581	1558	1174	35	1442
Total Regional Hydro	18815	10197	2253	105.74	4406

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)	250	50	250	150	1.29	1.43	-0.13	
765 KV Gwalior-Agra (D/C)	2281	2501	3415	0	69.42	0.00	69.42		
400 KV Zerda-Kankroli	-93	-203	76	254	0.00	1.90	-1.90		
400 KV Zerda-Bhinmal	-16	-118	175	205	0.15	0.00	0.15		
220 KV Auraiya-Malanpur	-111	-94	0	113	0.00	2.05	-2.05		
220 KV Badod-Kota/Morak	45	13	64	1	0.87	0.00	0.87		
Mundra-Mohindergarh(HVDC Bipole)	2302	2002	2304	0	51.06	0.00	51.06		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Phagi-Gwalior (D/C)	1014	326	1270	0	23.64	0.00	23.64		
Sub Total WR	5672	4477			146.43	5.37	141.06		
Pusauli Bypass/HVDC	400	100	400	0	6.23	0.00	6.23		
400 KV MZP- GKP (D/C)	-536	-360	0	654	0.00	8.71	-8.71		
400 KV Patna-Balia(D/C) X 2	481	566	728	0	14.69	0.00	14.69		
400 KV B' Sharif-Balia (D/C)	-251	-106	30	251	0.00	2.14	-2.14		
765 KV Gaya-Balia	59	146	327	0	2.54	0.00	2.54		
765 KV Gaya-Fatehpur	0	78	325	0	3.65	0.00	3.65		
220 KV Pusauli-Sahupuri	118	131	187	0	3.31	0.00	3.31		
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96		
132 KV Son Ngr-Rihand	-24	-42	0	42	0.00	0.78	-0.78		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-142	-129	136	167	0.00	0.99	-0.99		
400 KV Barh -GKP (D/C)	464	480	576	0	11.84	0.00	11.84		
Sub Total ER	569	864			43.21	12.61	30.60		
+/- 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	6241	5341			189.64	17.99	171.66		

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	
34.45	0.13	34.58	3.26	-3.28	0.01	28.28	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	
37.85	135.67	173.52	30.60	141.06	171.66	-7.25	5.39	-1.86	

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	-32	0	33	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	1.44	17.48	68.12	72.57	8.08	1.92	0.00	0.00

<----- 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)			
50.17	6.02	49.71	9.14	49.97	0.059	0.069	50.12	49.90	27.43

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	03:01	399	09:19	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	21:43	388	01:11	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	21:20	398	10:07	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	21:20	401	10:06	0.0	0.0	0.0	0.0	0.0
Dadrn	400	423	01:59	401	10:07	0.0	0.0	11.1	0.0	11.1
Ballabgarh	400	431	02:59	406	09:13	0.0	0.0	32.9	0.0	32.9
Bawana	400	431	21:20	406	09:14	0.0	0.0	37.4	0.3	37.4
Bassi	400	425	21:19	393	08:49	0.0	0.0	3.9	0.0	3.9
Hissar	400	424	21:20	396	08:50	0.0	0.0	2.4	0.0	2.4
Moga	400	424	02:02	399	09:15	0.0	0.0	10.6	0.0	10.6
Abdullapur	400	427	21:19	399	08:51	0.0	0.0	13.5	0.0	13.5
Nalagarh	400	437	21:20	405	09:13	0.0	0.0	59.8	5.5	59.8
Kishenpur	400	424	02:01	395	07:41	0.0	0.0	14.9	0.0	14.9
Wagoora	400	397	23:52	368	07:41	38.5	78.4	0.0	0.0	38.5
Amritsar	400	430	21:19	401	09:13	0.0	0.0	33.9	0.0	33.9
Kashipur	400	420	02:01	410	09:16	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	424	21:00	401	07:01	0.0	0.0	5.2	0.0	5.2
Rishkesh	400	415	21:25	389	09:09	0.0	0.4	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	772	02:03	737	08:50	0.0	3.8	0.0	0.0	0.0
Balia	765	764	21:55	739	10:09	0.0	0.8	0.0	0.0	0.0
Moga	765	808	21:20	760	08:49	0.0	0.0	11.5	0.0	11.5
Agra	765	789	02:01	746	08:49	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	806	21:16	768	12:05	0.0	0.0	5.2	0.0	5.2
Unnao	765	766	03:01	738	10:07	0.0	1.8	0.0	0.0	0.0
Lucknow	765	782	21:54	752	10:07	0.0	0.0	0.0	0.0	0.0
Meerut	765	817	21:21	764	08:49	0.0	0.0	21.0	0.0	21.0
Jhatikara	765					0.0	0.0	30.4	0.0	30.4
Bareilly 765 kV	765	787	21:25	751	09:13	0.0	0.0	0.0	0.0	0.0
Anta	765	778	21:22	757	08:40	0.0	0.0	0.0	0.0	0.0
Phagi	765	788	21:20	746	08:45	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	490.42	748.75	485.13	593.99	110.15	529.61
Pong	426.72	384.05	400.63	230.85	399.25	203.01	38.82	484.47
Tehri	829.79	740.04	777.95	297.00	788.75	436.00	77.74	220.00
Koteshwar	612.50	598.50	610.93	4.95	610.52	4.83	220.00	211.95
Chamera-I	760.00	748.75	757.29	0.00	0.00	0.00	57.31	63.47
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	495.79	0.25	500.84	2.96	41.50	14.45

* 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	338	0	-271	286	0	-2.67	7.66	4.99
Delhi	-1038	-517	0	-704	3	0	-18.08	-2.46	-20.54
Haryana	-318	131	0	-343	291	0	-8.92	6.10	-2.81
HP	214	125	0	534	-155	0	10.62	0.52	11.14
J&K	728	0	0	770	25	0	16.02	-0.08	15.94
CHD	-30	0	0	0	0	0	-0.24	-0.03	-0.27
Rajasthan	-7	687	3	-7	684	3	7.44	15.35	22.79
UP	135	0	0	-601	0	0	-8.10	0.00	-8.10
Uttarakhand	193	150	0	193	339	0	4.75	5.40	10.15
Total	-221	915	3	-429	1472	3	0.81	32.47	33.28

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-68	-271	351	230	0	0
Delhi	-502	-1068	316	-522	0	0
Haryana	-318	-546	309	-175	0	0
HP	588	214	183	-483	0	0
J&K	770	592	98	-152	0	0
CHD	0	-30	0	-41	0	0
Rajasthan	843	-7	694	457	3	2
UP	174	-619	0	0	0	0
Uttarakhand	221	193	454	82	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	9.72%

(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:

I. In view of protest by JAT community in Haryana on reservation issues complete 400 kV Kabulpur substation is dead since 1410 hrs. of 18/02/16 as Jat community representatives enter the premises and opened all 6 emanating 400 kV lines.

XIV. Weather Conditions For 19.02.2016 :

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 :