

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसई 5 की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 16.01.2016
Date of Reporting : 17.01.2016

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
38215	6978	45194	50.05	28553	536	29089	50.11	804.0	87.25

* 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	49.39	9.95		59.34	40.71	41.31	0.60	100.65	0.00
Haryana	53.57	0.34		53.91	64.89	65.40	0.51	119.31	0.07
Rajasthan	91.27	4.83	8.25	104.36	66.56	70.54	3.97	174.89	37.27
Delhi	15.27			15.27	51.76	48.32	-3.43	63.59	0.01
UP	135.44	4.90		140.34	97.21	98.26	1.05	238.60	35.20
Uttarakhand		9.97		9.97	20.41	23.39	2.98	33.36	3.67
HP		3.89		3.89	20.59	21.81	1.22	25.69	0.63
J & K		5.03	0.00	5.03	38.73	39.15	0.42	44.18	10.40
Chandigarh				0.00	3.63	3.77	0.27	3.77	0.00
Total	344.95	38.90	8.25	392.10	404.48	411.93	7.59	804.04	87.25

\$ 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	4667	0	-37	-692	2819	0	3	-247	5372
Haryana	6214	271	108	-475	3468	0	-158	-664	6214
Rajasthan	8167	4578	165	65	6758	140	81	645	8704
Delhi	3082	0	-434	-562	1541	0	87	-1480	3667
UP	10889	1585	254	13	10095	95	249	119	10889
Uttarakhand	1884	75	161	210	1244	0	119	196	1884
HP	1260	5	-214	147	829	0	71	296	1418
J&K	1858	464	-191	896	1706	301	137	723	1983
Chandigarh	195	0	-28	0	94	0	4	-31	218
Total	38215	6978	-216	-400	28553	536	594	-442	38215

* 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 (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI Net MU	
										UI [OG:(+ve), UG:(-ve)]
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1870	2005	1804	44.22	1842	43.79	0.43	
	Rihand I STPS (2*500)	1000	848	889	770	19.24	802	19.15	0.09	
	Rihand II STPS (2*500)	1000	955	1022	729	21.89	912	21.30	0.59	
	Rihand III STPS (2*500)	1000	974	1022	904	22.40	933	22.17	0.23	
	Dadri I STPS (4*210)	840	815	880	603	15.87	661	16.45	-0.58	
	Dadri II STPS (2*490)	980	980	1032	705	19.22	801	20.15	-0.93	
	Unchahar I TPS (2*210)	420	406	443	364	9.11	379	9.38	-0.28	
	Unchahar II TPS (2*210)	420	404	433	307	8.98	374	9.09	-0.11	
	Unchahar III TPS (1*220)	210	202	215	164	4.46	186	4.58	-0.12	
	ISTPP (Jhajhar) (3*500)	1500	1481	1191	930	24.18	1008	24.69	-0.50	
	Dadri GPS (4*130.19+2*154.51)	830	813	246	255	5.92	247	6.13	-0.22	
	Anta GPS (3*88.71+1*153.2)	419	415	248	256	6.54	273	6.61	-0.07	
	Auraiya GPS (4*111.19+2*109.30)	663	652	221	203	5.58	233	5.68	-0.10	
	Dadri Solar	5	0	0	0	0.01	1	0.01	0.00	
	Unchahar Solar	10	1	0	0	0.02	1	0.02	0.00	
	Singrauli Solar	15	1	0	0	0.03	1	0.04	0.00	
	KHEP	800	870	0	0	2.90	121	2.61	0.29	
	Sub Total (A)	12112	11688	9847	7994	211	8774	212	-1	
	B. NPC	NAPS (2*220)	440	412	452	451	9.89	412	9.89	0.01
		RAPS- B (2*220)	440	403	445	448	9.72	405	9.67	0.05
RAPS- C (2*220)		440	420	454	450	9.97	415	10.08	-0.11	
Sub Total (B)		1320	1235	1351	1358	29.58	1233	29.64	-0.06	
C. NHPC	Chamera I HPS (3*180)	540	540	374	0	1.89	79	1.62	0.27	
	Chamera II HPS (3*100)	300	300	306	0	1.21	50	1.00	0.21	
	Chamera III HPS (3*77)	231	154	157	0	0.64	27	0.52	0.12	
	Bairasuli HPS(3*60)	180	124	125	0	0.49	20	0.45	0.04	
	Salal-HPS (6*115)	690	100	230	114	2.75	115	2.40	0.35	
	Tanakpur-HPS (3*40)	94	17	30	15	0.50	21	0.40	0.10	
	Uri-I HPS (4*120)	480	195	225	141	4.96	207	4.69	0.27	
	Uri-II HPS (4*80)	240	110	117	100	2.82	117	2.63	0.18	
	Dhauliganga-HPS (4*70)	280	140	138	0	0.87	36	0.77	0.10	
	Dulhasti-HPS (3*130)	390	378	384	0	2.54	106	2.40	0.14	
	Sewa-II HPS (3*40)	120	119	126	0	0.38	16	0.37	0.01	
	Parbati 3 (4*130)	520	0	0	0	0.81	34	0.00	0.81	
	Sub Total (C)	4065	2177	2211	370	20	827	17	3	
D.SJVNL	NJPC (6*250)	1500	1605	1189	0	6.63	276	6.26	0.37	
	Rampur HEP (6*68.67)	412	344	373	0	1.81	75	1.68	0.13	
	Sub Total (D)	1912	1949	1562	0	8.44	352	7.94	0.50	
E. THDC	Tehri HPS (4*250)	1000	912	905	0	8.46	352	8.20	0.26	
	Koteshwar HPS (4*100)	400	124	192	92	3.29	137	3.20	0.09	
	Sub Total (E)	1400	1036	1097	92	11.75	489	11.40	0.35	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	542	1020	346	13.16	548	13.00	0.15	
	Dehara HPS (6*165)	990	117	495	0	2.93	122	2.80	0.13	
	Pong HPS (6*66)	396	274	384	120	6.54	272	6.59	-0.05	
	Sub Total (F)	2765	933	1899	466	22.63	943	22.39	0.24	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.46	19	0.44	0.02	
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	610	0	3.63	151	3.48	0.15	
	Malana Slg-II HPS (2*50)	100	0	0	0	0.19	8	0.18	0.01	
	Shree Cement TPS (2*150)	300	0	299	299	7.13	297	7.14	-0.01	
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.14	-0.14	
	Sub Total (G)	1662	0	909	299	11.40	475	11.38	0.03	
H. Total Regional Entities (A-G)	25237	19018	18876	10579	314.22	13093	311.84	2.38		

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	3.73	156	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.25	94	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.15	-6	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	964	705	23.67	986	
	Talwandi Saboo (2*660)	1320	683	687	19.89	829	
	Thermal (Total)	5360	1907	1652	49.39	2058	
	Total Hydro	1000	247	410	9.95	414	
Total Punjab	6360	2154	2062	59.34	2472		
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	238	217	5.48	228	
	DCRTPP (Yamuna nagar) (2*300)	600	565	461	12.83	535	
	Faridabad GPS (NTPC)	432	0	0	0.00	0	
	RGTPP (khedra) (IPP) (2*600)	1200	1034	797	22.92	955	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar (CLP) (2*660)	1320	558	374	12.34	514	
	Thermal (Total)	4944	2395	1849	53.57	2232	
	Total Hydro	62	12	10	0.34	14	
	Total Haryana	5006	2407	1859	53.91	2246	
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1134	953	25.86	1078
suratgarh TPS (6*250)		1500	906	783	20.84	868	
Chabra TPS (4*250)		1000	203	0	2.67	111	
Dholpur GPS (3*110)		330	95	104	2.49	104	
Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)		271	178	181	4.52	188	
RAPS A (NPC) (1*100+1*200)		300	164	164	4.02	168	
Barsingsar (NLC) (2*125)		250	181	181	4.19	175	
Giral LTPS (2*125)		250	0	0	0.00	0	
Raiwate LTPS (IPP) (8*135)		1080	723	728	17.12	713	
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0	
Kalsindh Thermal(2*600)		1200	373	0	4.70	196	
Kawal(Adani) (2*660)		1320	449	0	4.87	203	
Thermal (Total)		8876	4406	3094	91	3803	
Total Hydro		550	136	258	4.83	201	
Wind power		3214	60	529	5.24	218	
Biomass		99	26	26	0.61	26	
Solar		730	0	0	2.41	100	
Renewable/Others (Total)		4043	86	555	8.25	344	
Total Rajasthan		13469	4628	3907	104.36	4348	
UP		Anpara TPS (3*210+2*500)	1630	1173	1226	28.50	1188
	Obra TPS (2*50+2*94+5*200)	1194	477	468	11.30	471	
	Paricha TPS (2*110+2*220+2*250)	1140	691	894	19.10	796	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaqani TPS (1*60+1*105+2*250)	665	538	533	12.80	533	
	Tanda TPS (NTPC) (4*110)	440	366	390	9.24	385	
	Rozsa TPS (IPP) (4*300)	1200	387	554	12.30	513	
	Anpara-C (IPP) (2*600)	1200	1077	745	23.00	958	
	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	4709	4810	116	4843	
	Vishnupanyag HPS (IPP)(4*110)	440	74	70	1.70	71	
	Alaknanda(4*82.5)	330	50	0	0.90	38	
	Other Hydro	527	49	177	2.30	96	
	Cogeneration	981	800	800	19.20	800	
	Total UP	13547	5682	5857	140	5848	
	Uttarakhand	Total Hydro	1398	656	370	9.97	416
		Total Uttarakhand	1398	656	370	9.97	416
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	35	34	0.93	39	
	Pragati Gas Turbine (2x104+ 1x122)	330	141	140	3.32	139	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	251	250	6.04	252	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	4.98	207	
	Thermal (Total)	2917	592	589	15.27	636	
	Total Delhi	2917	592	589	15.27	636	
HP	Baspa HPS (IPP) (3*100)	300	0	0	1.15	48	
	Malana HPS (IPP) (2*43)	86	0	0	0.17	7	
	Other Hydro	878	133	71	2.56	107	
	Total HP	1264	133	71	3.89	162	
J & K	Baqilhar HPS (IPP) (3*150)	450	142	142	3.41	142	
	Other Hydro/IPP	560	49	62	1.63	68	
	Gas/Diesel/Other	190	0	0	0.00	0	
	Total J & K	1200	191	204	5.03	210	
Total State Control Area Generation		45161	16443	14919	392.10	16338	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			4882.8	5503.47	120.30	5013	
Total Regional Availability(Gross)		70398	40201	31001	826.63	34443	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	7379	928	69.84	2910
State Control Area Hydro	6581	1548	1570	39	1621
Total Regional Hydro	18815	8927	2498	108.75	4531

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	
	Vindhychal(HVDC B/B)	50	-500	150	500	0.40	5.97	-5.57	
765 KV Gwalior-Agra (D/C)	1195	2182	2784	0	44.09	0.00	44.09		
400 KV Zarda-Kankrolli	236	112	0	299	0.00	4.70	-4.70		
400 KV Zarda-Bhinmal	-99	-51	105	268	0.00	2.77	-2.77		
220 KV Auraiya-Malapur	-133	-59	0	136	0.00	2.34	-2.34		
220 KV Badod-Kota/Morak	-125	-84	0	158	0.00	2.51	-2.51		
Mundra-Mohindergarh(HVDC Bipole)	2503	1800	2505	0	53.74	0.00	53.74		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Phagi-Gwalior (D/C)	1151	960	1496	0	23.49	0.00	23.49		
Sub Total WR	4778	4360			121.72	18.29	103.43		
Pusauli Bypass/HVDC	400	400	400	0	8.93	0.00	8.93		
400 KV MZP- GKP (D/C)	-788	-440	0	828	0.00	14.62	-14.62		
400 KV Patna-Balia(D/C) X 2	235	369	401	0	8.11	0.00	8.11		
400 KV B Sharif-Balia (D/C)	-332	-154	0	332	0.00	5.41	-5.41		
765 KV Gaya-Balia	34	182	190	0	1.44	0.00	1.44		
765 KV Gaya-Fatehpur	-56	-8	139	0	0.90	0.00	0.90		
220 KV Pusauli-Sahupuri	149	174	196	0	3.19	0.00	3.19		
132 KV Knasa-Sahupuri	0	0	0	0	0.00	0.00	0.00		
132 KV Son Ngr-Rihand	-24	-27	0	30	0.00	0.60	-0.60		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-373	-273	0	373	0.00	6.03	-6.03		
400 KV Barh -GKP (D/C)	360	420	436	0	9.28	0.00	9.28		
Sub Total ER	-395	643			31.84	26.67	5.18		
+/- 800 KV BiswanathChariali-Agra	500	500	500	0	11.70	0.00	11.70		
Sub Total NER	500	500			11.70	0.00	11.70		
Total IR Exch	4883	5503			165.26	44.96	120.30		

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	
32.83	0.22	33.05	-2.78	-13.15	-0.07	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	
35.13	82.15	117.28	16.88	103.43	120.30	-18.25	21.27	3.02	

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	-31	-32	0	33	0	1	-0.74	

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	2.87	23.80	69.36	62.36	10.54	3.33	0.00	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)	
50.16	13.04	49.70	9.13	49.96	0.081	0.080	0.00	0.00	37.64

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
Jhatikara	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	498.22	1029.80	494.81	891.94	164.21	401.53
Pong	426.72	384.05	408.38	444.61	403.30	296.70	54.71	440.67
Tehri	829.79	740.04	795.25	539.23	804.20	669.53	80.36	226.00
Koteshwar	612.50	598.50	611.10	4.95	608.97	3.98	226.00	216.31
Chamera-I	760.00	748.75	758.09	0.00	0.00	0.00	50.75	50.75
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	496.31	3.15	503.89	1.89	51.41	91.23

* 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	-248	1	0	-703	10	0	-11.15	0.14	-11.00
Delhi	-840	-640	0	-544	-19	0	-13.87	-3.99	-17.86
Haryana	-541	-123	0	-597	122	0	-16.21	-0.70	-16.91
HP	102	194	0	164	-17	0	7.91	-0.83	7.08
J&K	723	0	0	761	135	0	16.70	0.46	17.16
CHD	-31	0	0	0	0	0	-0.24	-0.04	-0.29
Rajasthan	-7	653	0	-7	72	0	0.86	8.55	9.40
UP	119	0	0	13	0	0	-2.91	0.00	-2.91
Uttarakhand	193	4	0	193	18	0	4.74	1.23	5.97
Total	-530	89	0	-721	321	0	-14.17	4.82	-9.36

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-243	-706	61	0	0	0
Delhi	-281	-870	382	-648	0	0
Haryana	-541	-949	175	-531	0	0
HP	489	102	218	-545	0	0
J&K	761	575	135	-12	0	0
CHD	0	-31	0	-20	0	0
Rajasthan	214	-7	659	0	0	0
UP	161	-366	0	0	0	0
Uttarakhand	221	193	291	2	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	60
ER	0
Simultaneous	0

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

WR	93%
ER	0%
Simultaneous	44%

XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 16.01.2016 :

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 :