

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एकमात्र की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 11.12.2015
Date of Reporting : 12.12.2015

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
38729	1601	40331	0.00	28800	171	28971	0.00	803.9	36.45

* 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 MU:

State	State's Control Area Generation (Net MU)				Drawal Schedule (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	Shortages *
	Thermal	Hydro	Renewable/others	Total					
Punjab	40.79	7.93		48.72	49.47	48.98	-0.49	97.70	0.00
Haryana	41.76	0.44		42.19	66.09	66.18	0.10	108.37	0.00
Rajasthan	111.90	5.05	18.13	135.08	77.14	77.80	0.67	212.88	0.00
Delhi	13.81			13.81	45.99	46.48	0.49	60.29	0.02
UP	110.21	4.50		114.71	114.86	114.09	-0.77	228.80	27.75
Uttarakhand		6.99		6.99	25.83	27.16	1.33	34.14	0.84
HP		4.67		4.67	19.84	20.46	0.62	25.13	0.00
J & K		6.44	0.00	6.44	30.74	26.60	-4.13	33.05	7.84
Chandigarh				0.00	3.56	3.52	0.27	3.52	0.00
Total	318.46	36.02	18.13	372.61	433.50	431.28	-1.91	803.89	36.45

* 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	STOAPX transaction	Demand Met	Shortage	UI	STOAPX transaction	
Punjab	4480	0	-137	-548	3232	0	-9	-200	5254
Haryana	5954	0	-251	-58	3284	0	88	-21	5954
Rajasthan	9403	0	-423	675	8541	0	80	705	9827
Delhi	3195	0	46	-134	1641	0	46	-1185	3349
UP	10609	1050	24	-133	9190	0	-110	122	10609
Uttarakhand	1682	75	22	424	1128	0	52	387	1771
HP	1320	0	-18	222	732	0	28	241	1320
J&K	1905	476	175	520	967	171	-414	645	1905
Chandigarh	182	0	-36	-25	86	0	-3	-30	193
Total	38729	1601	-598	942	28800	171	-243	662	38729

UI/OA/PX (OD/Import: (+ve), UD/Export: (-ve))

\$ STOAX figures are at sellers boundary & PX figures are at regional boundary.

figures may not be at simultaneous hour.

Diversity is 1.04

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	1861	1964	1903	43.87	1828	43.14	0.73
	Rihand I STPS (2*500)	1000	869	887	688	17.66	736	17.06	0.60
	Rihand II STPS (2*500)	1000	973	973	727	20.10	837	19.12	0.97
	Rihand III STPS (2*500)	1000	973	1036	699	20.61	859	20.13	0.48
	Dadri I STPS (4*210)	840	610	296	294	6.78	282	7.02	-0.24
	Dadri II STPS (2*490)	980	980	355	359	8.84	368	9.26	-0.42
	Unchahar I TPS (2*210)	420	406	413	318	7.83	326	7.94	-0.11
	Unchahar II TPS (2*210)	420	404	367	294	6.93	289	7.01	-0.08
	Unchahar III TPS (1*220)	210	202	204	137	3.48	145	3.53	-0.05
	ISTPP (Jhajjar) (3*500)	1500	1500	651	621	15.66	652	16.48	-0.82
	Dadri GPS (4*130.19+2*154.51)	830	550	626	554	14.11	588	14.62	-0.51
	Anta GPS (3*88.71+1*153.2)	419	415	242	225	5.10	212	5.15	-0.05
	Auraiya GPS (4*111.19+2*109.30)	663	658	223	308	5.73	239	5.83	-0.10
	Dadri Solar	5	0	0	0	0.01	0	0.15	-0.14
	Unchahar Solar	10	1	0	0	0.02	1	0.02	-0.01
	Singrauli Solar	15	2	0	0	0.04	1	0.04	-0.01
	KHEP	800	655	0	0	3.31	138	3.00	0.31
Sub Total (A)	12112	11064	8237	7127	180	7503	180	1	
B. NPC	NAPS (2*220)	440	201	201	201	4.82	201	4.82	0.00
	RAPS- B (2*220)	440	394	438	438	9.50	396	9.46	0.04
	RAPS- C (2*220)	440	418	458	455	9.93	414	10.03	-0.10
	Sub Total (B)	1320	1013	1097	1094	24.25	1011	24.31	-0.06
C. NHPC	Chamera I HPS (3*180)	540	540	554	0	2.11	88	1.86	0.25
	Chamera II HPS (3*100)	300	300	232	0	1.76	73	1.61	0.15
	Chamera III HPS (3*77)	231	154	158	0	1.02	42	0.84	0.17
	Bairasuli HPS(3*60)	180	124	124	0	1.16	48	1.08	0.08
	Salal-HPS (6*115)	690	113	252	110	3.20	133	2.71	0.50
	Tanakpur-HPS (3*40)	94	19	28	24	0.66	28	0.46	0.21
	Uri-I HPS (4*120)	480	294	347	250	7.59	316	6.99	0.60
	Uri-II HPS (4*60)	240	191	212	238	4.71	196	4.57	0.14
	Dhauliganga-HPS (4*70)	280	140	142	0	1.09	45	1.00	0.09
	Dulhasti-HPS (3*130)	390	380	400	0	3.37	140	3.30	0.07
	Sewa-II HPS (3*40)	120	0	0	0	0.00	0	0.00	0.00
Parbati 3 (4*130)	520	130	131	0	0.81	34	0.46	0.35	
Sub Total (C)	4065	2384	2579	623	27	1145	25	3	
D.SJVNL	NJPC (6*250)	1500	1350	1362	0	7.88	328	7.63	0.25
	Rampur HEP (6*68.67)	412	370	379	0	2.24	93	2.12	0.12
	Sub Total (D)	1912	1720	1741	0	10.12	422	9.75	0.37
E. THDC	Tehri HPS (4*250)	1000	1024	1023	0	6.66	278	6.50	0.16
	Koteswar HPS (4*100)	400	100	102	101	2.43	101	2.40	0.03
	Sub Total (E)	1400	1124	1125	101	9.10	379	8.90	0.20
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	683	1207	376	16.68	695	16.38	0.29
	Dehar HPS (6*165)	990	145	495	0	3.54	148	3.48	0.06
	Pong HPS (6*66)	396	247	324	60	5.95	248	5.92	0.02
	Sub Total (F)	2765	1074	2026	436	26.17	1090	25.79	0.38
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	65	0	0.53	22	0.51	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	4.44	185	4.32	0.12
	Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
	Shree Cement TPS (2*150)	300	0	261	175	5.68	237	5.50	0.18
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.19	8	0.19	0.00
Sub Total (G)	1662	0	994	175	10.84	452	10.53	0.32	
H. Total Regional Entities (A-G)	25237	18379	17798	9555	288.03	12001	283.65	4.37	

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	3.64	152	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.06	-2	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	205	200	4.77	199	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	715	712	22.25	927	
	Talwandi Saboo (2*660)	1320	336	357	10.19	424	
	Thermal (Total)	5360	1416	1429	40.79	1699	
	Total Hydro	1000	462	4	7.93	331	
	Total Punjab	6360	1878	1433	48.72	2030	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0	
	DCRTPP (Yamuna nagar) (2*300)	600	580	461	11.56	481	
	Faridabad GPS (NTPC)	432	0	0	0.00	0	
	RGTPP (kheadar) (IPP) (2*600)	1200	571	400	9.86	411	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar(CLP) (2*660)	1320	1086	741	20.34	848	
	Thermal (Total)	4944	2237	1602	41.76	1740	
	Total Hydro	62	16	11	0.44	18	
	Total Haryana	5006	2253	1613	42.19	1758	
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	728	869	19.08	795
suratgarh TPS (6*250)		1500	630	516	14.01	584	
Chabra TPS (4*250)		1000	443	376	9.57	399	
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	218	209	5.26	219	
RAPS A (NPC) (1*100+1*200)		300	162	164	4.00	167	
Barsingar (NLC) (2*125)		250	185	185	4.34	181	
Giral LTPS (2*125)		250	0	0	0.00	0	
Rajwest LTPS (IPP) (8*135)		1080	810	783	18.87	786	
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0	
Kalisindh Thermal(2*600)		1200	567	490	11.13	464	
Kawal(Adani) (2*660)		1320	1199	1109	25.64	1069	
Thermal (Total)		8876	4942	4701	112	4662	
Total Hydro		550	298	184	5.05	210	
Wind power		3214	310	906	14.77	616	
Biomass		99	28	28	0.66	28	
Solar		730	0	0	2.69	112	
Renewable/Others (Total)		4043	338	934	18.13	755	
Total Rajasthan		13469	5578	5819	135.08	5628	
UP		Anpara TPS (3*210+2*500)	1630	942	817	21.90	913
	Obra TPS (2*50+2*94+5*200)	1194	428	327	8.90	371	
	Paricha TPS (2*110+2*220+2*250)	1140	728	617	15.80	658	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaganj TPS (1*60+1*105+2*250)	665	432	437	10.30	429	
	Tanda TPS (NTPC) (4*110)	440	390	378	8.71	363	
	Roza TPS (IPP) (4*300)	1200	545	572	14.10	588	
	Anpara-C (IPP) (2*600)	1200	543	538	12.90	538	
	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(1*660)	660	0	0	0.00	0	
	Bara(1*660)	660	0	82	0.80	33	
	Thermal (Total)	9949	4008	3768	93	3892	
	Vishnupuriyag HPS (IPP) (4*110)	440	95	88	2.20	92	
	Alaknanda(4*82.5)	330	56	60	1.40	58	
	Other Hydro	527	56	22	0.90	38	
	Cogeneration	981	700	700	16.80	700	
	Total UP	12227	4915	4638	115	4780	
	Uttarakhand	Total Hydro	1398	439	176	6.99	291
		Total Uttarakhand	1398	439	176	6.99	291
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	29	35	0.77	32	
	Pragati Gas Turbine (2x104+ 1x122)	330	141	142	3.42	143	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	254	254	6.09	254	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.54	148	
	Thermal (Total)	2917	589	595	13.81	575	
	Total Delhi	2917	589	595	13.81	575	
HP	Baspa HPS (IPP) (3*100)	300	33	0	1.20	50	
	Malana HPS (IPP) (2*43)	86	91	0	0.27	11	
	Other Hydro	878	174	114	3.20	133	
	Total HP	1264	298	114	4.67	195	
J & K	Baglihar HPS (IPP) (3*150)	450	232	143	4.59	191	
	Other Hydro/IPP	560	81	64	1.85	77	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	313	207	6.44	268	
Total State Control Area Generation		43841	16263	14596	372.61	15525	
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			6090	6144	171.60	7150	
Total Regional Availability(Gross)		69078	40151	30294	832.24	34677	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8165	1159	81.14	3381
State Control Area Hydro	6581	2033	866	36	1501
Total Regional Hydro	18815	10198	2025	117.16	4882

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)	-250	-350	150	400	0.85	6.00	-5.15
765 KV Gwalior-Agra (D/C)	2671	2444	3452	0	68.44	0.00	68.44
400 KV Zerda-Kankrol	-170	-281	0	312	0.00	4.42	-4.42
400 KV Zerda-Bhinmal	-70	-213	6	265	0.00	2.71	-2.71
220 KV Auraiya-Malanpur	-34	-49	0	63	0.00	0.55	-0.55
220 KV Badod-Kota/Morak	-16	-49	0	58	0.00	0.98	-0.98
Mundra-Mohindergar(HVDC Bipole)	2498	2103	2505	0	58.32	0.00	58.32
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Phagi-Gwalior (D/C)	936	1059	1409	0	28.10	0.00	28.10
Sub Total WR	5565	4664			155.70	14.66	141.04
Pusauli Bypass/HVDC	250	250	250	0	6.05	0.00	6.05
400 KV MZP- GKP (D/C)	-176	125	207	176	0.91	0.00	0.91
400 KV Patna-Balia(D/C) X 2	439	516	618	0	12.40	0.00	12.40
400 KV B Sharif-Balia (D/C)	-28	114	226	28	2.52	0.00	2.52
765 KV Gaya-Balia	202	246	321	0	3.14	0.00	3.14
765 KV Gaya-Fatehpur	30	193	363	0	4.82	0.00	4.82
220 KV Pusauli-Sahupuri	139	136	175	0	3.11	0.00	3.11
132 KV K nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-24	-29	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	-191	11	142	192	0.15	0.00	0.15
400 KV Barh -GKP (D/C)	384	418	506	0	10.21	0.00	10.21
Sub Total ER	1025	1980			43.31	0.59	42.73
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500	0.00	12.17	-12.17
Sub Total NER	-500	-500			0.00	12.17	-12.17
Total IR Exch	6090	6144			199.01	27.41	171.60

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
30.28	0.58	30.86	-0.53	-7.47	14.70	27.23	6.03	-6.03

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incids Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER(including NER)	Through WR	Total
51.06	119.19	170.25	30.56	141.04	171.60	-20.50	21.85	1.35

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	-33	-23	0	34	0	1	-0.73

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	1.38	17.89	67.46	69.20	10.39	2.49	0.06	NA

<----- 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					
50.21	0.00	49.73	17.15	49.97	0.065	0.073	0.00	0.00	30.80

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	23:53	397	11:24	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	21:44	405	17:45	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	04:31	403	11:21	0.0	0.0	0.1	0.0	0.1
Kanpur	400	411	03:01	406	11:21	0.0	0.0	0.5	0.0	0.5
Dadri	400	426	02:52	407	11:24	0.0	0.0	33.8	0.0	33.8
Ballabgarh	400	432	02:59	412	11:08	0.0	0.0	59.6	3.6	59.6
Bawana	400	431	20:14	410	11:09	0.0	0.0	45.9	0.2	45.9
Bassi	400	428	20:17	399	08:15	0.0	0.0	11.6	0.0	11.6
Hissar	400	426	20:16	402	11:12	0.0	0.0	10.7	0.0	10.7
Moga	400	424	02:49	404	11:10	0.0	0.0	22.0	0.0	22.0
Abdullapur	400	432	20:14	407	11:23	0.0	0.0	44.6	0.3	44.6
Nalagarh	400	436	20:57	410	11:08	0.0	0.0	48.0	24.9	48.0
Kishenpur	400	428	02:40	402	18:22	0.0	0.0	21.2	0.0	21.2
Wagoora	400	402	03:01	374	18:13	5.6	53.8	0.0	0.0	5.6
Amritsar	400	432	02:16	168	09:33	0.0	0.0	44.4	5.3	44.5
Kashipur	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	429	02:16	405	11:09	0.0	0.0	52.9	0.0	52.9
Rishikesh	400	0	00:00	9999	00:00	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	776	20:14	745	08:33	0.0	0.0	0.0	0.0	0.0
Balia	765	761	00:00	761	00:00	0.0	0.0	0.0	0.0	0.0
Moga	765	811	20:14	771	11:12	0.0	0.0	22.3	0.0	22.3
Agra	765	796	20:14	759	11:21	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	810	20:14	771	11:09	0.0	0.0	23.9	0.0	23.9
Unnao	765	788	19:27	746	11:21	0.0	0.0	0.0	0.0	0.0
Lucknow	765	787	05:02	762	17:46	0.0	0.0	0.0	0.0	0.0
Mesrut	765	819	20:14	775	11:23	0.0	0.0	27.2	0.0	27.2
Jhatikara	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Anta	765	784	20:12	765	07:37	0.0	0.0	0.0	0.0	0.0
Phagi	765	798	20:15	761	07:51	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	504.79	1298.95	500.94	1140.31	265.10	497.89
Pong	426.72	384.05	414.11	644.91	408.59	444.61	67.54	373.84
Tehri	829.79	740.04	809.40	792.52	815.85	920.00	67.77	158.00
Koteswar	612.50	598.50	610.94	5.04	609.85	4.44	158.00	160.21
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	80.92	57.17
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	503.66	4.59	508.61	2.30	56.90	202.30

* 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	-524	323	0	-849	301	0	-13.30	7.58	-5.72
Delhi	-1107	-79	0	-564	430	0	-17.20	6.78	-10.43
Haryana	-338	317	0	-354	296	0	-8.48	7.30	-1.19
HP	88	153	0	274	-52	0	6.71	-0.99	5.71
J&K	645	0	0	520	0	0	13.40	-0.23	13.17
CHD	-30	0	0	0	-25	0	-0.24	0.06	-0.18
Rajasthan	-7	710	2	-7	680	2	8.69	18.57	27.26
UP	122	0	0	-133	0	0	-1.82	0.00	-1.82
Uttarakhand	194	194	0	225	199	0	4.81	6.81	11.63
Total	-957	1617	2	-889	1829	2	-7.44	45.88	38.44

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-510	-849	326	259	0	0
Delhi	-560	-1107	768	-89	0	0
Haryana	-338	-364	318	253	0	0
HP	409	88	153	-643	0	0
J&K	645	517	99	-177	0	0
CHD	0	-30	25	-51	0	0
Rajasthan	731	-7	1279	601	2	2
UP	149	-212	0	0	0	0
Uttarakhand	225	194	511	139	0	0

XI. System Reliability Indices:

- (i)%age of times N-1 Criteria was violated in the inter - regional corridors
0.00 %
- (ii)%age of times ATC violated on the inter-regional corridors
0.00 %

XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 11.12.2015 :

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 :