

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(एचएसई की पूर्ण स्वामित्व वाले सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 10.12.2015

Date of Reporting : 11.12.2015

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
39385	2379	41764	50.01	28586	277	28864	50.02	808.3	42.74

* 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* (MU)
	Thermal	Hydro	Renewable/others	Total					
	UI [OD:(+ve), UD:(-ve)]								
Punjab	39.41	11.60		51.01	48.88	47.84	-1.05	98.84	0.00
Haryana	42.65	0.40		43.04	66.49	65.36	-1.13	108.40	0.00
Rajasthan	112.09	5.05	5.98	123.12	83.15	88.40	5.25	211.52	3.23
Delhi	13.08			13.08	45.85	46.47	0.62	59.55	0.00
UP	104.74	4.40		109.14	114.47	113.38	-1.08	222.52	29.16
Uttarakhand	6.64	6.64		6.64	25.35	26.93	1.57	33.57	0.64
HP	4.52			4.52	19.83	21.21	1.38	25.74	0.00
J & K	8.83		0.00	8.83	35.21	35.84	0.63	44.67	9.71
Chandigarh				0.00	3.49	3.46	0.27	3.46	0.00
Total	311.96	41.44	5.98	359.38	442.71	448.89	6.47	808.27	42.74

* 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	STO/PIX transaction	Demand Met	Shortage	UI	STO/PIX transaction	
	UI/OA/PX (OD/Import: (+ve), UD/Export: (-ve))				Diversity is 1.01				
Punjab	4583	0	-31	-555	3137	0	-184	-207	4978
Haryana	6034	0	-125	-69	3203	0	11	-16	6034
Rajasthan	9934	0	109	672	8263	0	138	703	9934
Delhi	3205	0	45	-176	1502	0	-11	-1207	3205
UP	10518	1835	42	-138	8956	0	-167	114	10518
Uttarakhand	1753	75	64	437	1110	0	66	389	1753
HP	1297	0	70	169	755	0	42	260	1360
J&K	1878	469	69	530	1572	277	-52	645	1907
Chandigarh	183	0	-32	0	88	0	0	-30	184
Total	39385	2379	210	869	28586	277	-158	651	39385

STO/PIX figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

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		
				UI [OG:(+ve), UG:(-ve)]							
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1809	2027	1631	42.97	1791	42.44	0.53		
	Rihand I STPS (2*500)	1000	843	880	750	18.47	770	18.69	-0.22		
	Rihand II STPS (2*500)	1000	947	935	768	21.11	880	20.84	0.26		
	Rihand III STPS (2*500)	1000	971	1009	733	21.68	903	21.86	-0.18		
	Dadri I STPS (4*210)	840	610	335	307	6.96	290	7.28	-0.32		
	Dadri II STPS (2*490)	980	980	454	365	9.51	396	10.39	-0.88		
	Unchahar I TPS (2*210)	420	406	407	293	8.28	345	8.62	-0.34		
	Unchahar II TPS (2*210)	420	404	371	283	7.83	326	8.22	-0.39		
	Unchahar III TPS (1*220)	210	202	204	148	3.89	162	4.16	-0.26		
	ISTPP (Jhajar) (3*500)	1500	1500	743	610	14.94	623	15.39	-0.45		
	Dadri GPS (4*130.19+2*154.51)	830	561	533	576	14.10	588	14.77	-0.67		
	Anta GPS (3*88.71+1*153.2)	419	415	253	242	6.57	274	7.05	-0.48		
	Auraiya GPS (4*111.19+2*109.30)	663	657	292	233	5.90	246	6.18	-0.28		
	Dadri Solar	5	1	0	0	0.01	1	0.01	0.00		
	Unchahar Solar	10	1	0	0	0.03	1	0.02	0.01		
	Singrauli Solar	15	2	0	0	0.06	2	0.04	0.02		
	KHEP	800	655	0	0	2.89	120	2.70	0.19		
Sub Total (A)	12112	10964	8443	6939	185	7717	189	-3			
B. NPC	NAPS (2*220)	440	200	200	200	4.80	200	4.80	0.00		
	RAPS- B (2*220)	440	395	395	395	9.48	395	9.48	0.00		
	RAPS- C (2*220)	440	418	418	418	10.01	417	10.03	-0.02		
	Sub Total (B)	1320	1013	1013	1013	24.29	1012	24.31	-0.02		
C. NHPC	Chamera I HPS (3*180)	540	540	556	0	1.88	78	1.62	0.26		
	Chamera II HPS (3*100)	300	300	303	0	1.26	53	1.12	0.14		
	Chamera III HPS (3*77)	231	154	162	0	0.78	32	0.70	0.08		
	Bairasuli HPS (3*60)	180	122	122	0	0.47	20	0.45	0.03		
	Salal-HPS (6*115)	690	94	138	70	2.74	114	2.30	0.44		
	Tanakpur-HPS (3*40)	94	22	29	19	0.71	29	0.53	0.17		
	Ur-I HPS (4*120)	480	198	215	214	5.12	213	4.77	0.35		
	Ur-II HPS (4*60)	240	128	238	81	3.17	132	3.07	0.10		
	Dhauliganga-HPS (4*70)	280	140	142	0	1.10	46	1.00	0.10		
	Dulhasti-HPS (3*130)	390	387	402	0	3.47	145	3.30	0.17		
	Sewa-II HPS (3*40)	120	0	0	0	0.00	0	0.00	0.00		
	Parbati 3 (4*130)	520	130	132	0	0.81	34	0.52	0.29		
Sub Total (C)	4065	2215	2440	384	22	896	19	2			
D.SJVNL	NJPC (6*250)	1500	1350	1353	0	8.49	354	8.32	0.17		
	Rampur HEP (6*68.67)	412	370	268	0	2.40	100	2.30	0.10		
	Sub Total (D)	1912	1720	1621	0	10.89	454	10.62	0.27		
E. THDC	Tehri HPS (4*250)	1000	1024	1023	0	6.48	270	6.30	0.18		
	Koteswar HPS (4*100)	400	100	101	99	2.41	101	2.40	0.01		
	Sub Total (E)	1400	1124	1124	99	8.89	371	8.70	0.19		
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	701	1200	369	16.96	707	16.82	0.14		
	Dehar HPS (6*165)	990	147	495	0	3.61	150	3.52	0.09		
	Pong HPS (6*66)	396	260	324	60	6.21	259	6.24	-0.04		
	Sub Total (F)	2765	1108	2019	429	26.77	1116	26.59	0.19		
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	112	0	0.56	23	0.55	0.01		
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	4.38	183	4.32	0.07		
	Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00		
	Shree Cement TPS (2*150)	300	0	262	198	5.67	236	5.68	0.00		
	Budhi HPS(IPP) (2*35)	70	0	38	0	0.19	8	0.19	0.00		
	Sub Total (G)	1662	0	1041	198	10.81	450	10.73	0.08		
H. Total Regional Entities (A-G)	25237	18144	17701	9062	288.37	12015	289.00	-0.63			

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	3.65	152
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	90	0.72	30
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	206	204	4.73	197
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	957	709	23.62	984
	Talwandi Saboo (2*660)	1320	266	304	6.69	279
	Thermal (Total)	5360	1589	1467	39.41	1642
	Total Hydro	1000	547	422	11.60	483
Total Punjab	6360	2136	1889	51.01	2125	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	554	459	11.78	491
	Faridabad GPS (NTPC)	432	55	0	0.44	18
	RGTPP (kheadar) (IPP) (2*600)	1200	563	389	9.91	413
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1139	739	20.52	855
	Thermal (Total)	4944	2311	1587	42.65	1777
	Total Hydro	62	9	16	0.40	16
Total Haryana	5006	2320	1603	43.04	1793	
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	970	910	22.35	931
	suratgarh TPS (6*250)	1500	445	448	10.66	444
	Chabra TPS (4*250)	1000	428	417	10.55	440
	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	190	209	4.92	205
	RAPS A (NPC) (1*100+1*200)	300	164	161	3.96	165
	Barsingar (NLC) (2*125)	250	97	94	2.38	99
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	841	841	20.44	852
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	601	600	13.10	546
	Kawal(Adani) (2*660)	1320	1159	925	23.74	989
	Thermal (Total)	8876	4895	4605	112	4671
	Total Hydro	550	227	321	5.05	210
	Wind power	3214	269	346	5.50	229
	Biomass	99	20	20	0.48	20
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	289	366	5.98	249
Total Rajasthan	13469	5411	5292	123.12	5130	
UP	Anpara TPS (3*210+2*500)	1630	848	1297	24.70	1029
	Obra TPS (2*50+2*94+5*200)	1194	402	456	9.90	413
	Paricha TPS (2*110+2*220+2*250)	1140	458	587	12.30	513
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	448	433	10.20	425
	Tanda TPS (NTPC) (4*110)	440	391	274	8.54	356
	Roza TPS (IPP) (4*300)	1200	477	194	9.30	388
	Anpara-C (IPP) (2*600)	1200	538	540	10.50	438
	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	167	95	2.50	104
	Thermal (Total)	9949	3729	3878	88	3664
	Vishnupuriyag HPS (IPP) (4*110)	440	93	95	2.20	92
	Alaknanda(4*82.5)	330	59	61	1.40	58
	Other Hydro	527	66	22	0.80	33
	Cogeneration	981	700	700	16.80	700
	Total UP	12227	4647	4754	109	4547
Uttarakhand	Total Hydro	1398	488	173	6.64	277
	Total Uttarakhand	1398	488	173	6.64	277
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	36	39	0.82	34
	Pragati Gas Turbine (2x104+ 1x122)	330	148	143	3.50	146
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	249	6.07	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	110	105	2.70	113
	Thermal (Total)	2917	547	536	13.08	545
Total Delhi	2917	547	536	13.08	545	
HP	Baspa HPS (IPP) (3*100)	300	81	30	1.39	58
	Malana HPS (IPP) (2*43)	86	45	0	0.27	11
	Other Hydro	878	142	73	2.86	119
	Total HP	1264	268	103	4.52	189
J & K	Baglihar HPS (IPP) (3*150)	450	143	150	3.52	147
	Other Hydro/IPP	560	234	209	5.31	221
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	377	359	8.83	368
Total State Control Area Generation		43841	16174	14709	359.38	14974
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			7445	6791	190.96	7957
Total Regional Availability(Gross)		69078	41320	30562	838.71	34946

IV. Total Hydro Generation:

Regional Entities Hydro	12234	7945	912	75.89	3162
State Control Area Hydro	6581	2114	1572	41	1727
Total Regional Hydro	18815	10059	2484	117.34	4889

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	
Vindhyachal(HVDC B/B)	-350	-50	200	350	0.35	2.99	-2.65
765 KV Gwalior-Agra (D/C)	2966	2664	3391	0	72.06	0.00	72.06
400 KV Zerda-Kankrol	-71	-241	7	245	0.00	2.75	-2.75
400 KV Zerda-Bhinmal	33	-148	140	193	0.00	0.54	-0.54
220 KV Auraiya-Malanpur	-33	-38	0	58	0.00	0.75	-0.75
220 KV Badod-Kota/Morak	-2	-74	10	54	0.00	0.89	-0.89
Mundra-Mohindergar(HVDC Bipole)	2498	1802	2505	0	55.84	0.00	55.84
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Phagi-Gwalior (D/C)	1198	1287	780	0	32.47	0.00	32.47
Sub Total WR	6239	5202			160.71	7.93	152.77
Pusaali Bypass/HVDC	250	400	400	0	8.07	0.00	8.07
400 KV MZP- GKP (D/C)	106	149	249	199	1.72	0.00	1.72
400 KV Patna-Balia(D/C) X 2	521	492	663	0	13.86	0.00	13.86
400 KV B Sharif-Balia (D/C)	37	96	238	42	2.52	0.00	2.52
765 KV Gaya-Balia	195	247	329	0	3.32	0.00	3.32
765 KV Gaya-Fatehpur	143	189	432	0	6.31	0.00	6.31
220 KV Pusaali-Sahupuri	137	120	162	0	2.94	0.00	2.94
132 KV Knasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-25	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	-103	-13	208	123	0.83	0.00	0.83
400 KV Barh -GKP (D/C)	446	434	610	0	11.31	0.00	11.31
Sub Total ER	1706	2089			50.89	0.60	50.28
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500	0.00	12.10	-12.10
Sub Total NER	-500	-500			0.00	12.10	-12.10
Total IR Exch	7445	6791			211.59	20.63	190.96

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
34.47	0.59	35.07	-0.42	-7.52	12.46	26.75	6.03	-6.03
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
53.14	121.39	174.53	38.19	152.77	190.96	-14.95	31.38	16.43

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	-31	-30	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	0.56	13.54	57.15	74.38	7.92	4.17	0.00	NA

Frequency (Hz)		Average Frequency		Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum	Minimum	Hz	Hz			MAX (Hz)	MIN (Hz)	
50.19	0.00	49.76	7.35	49.98	0.055	50.08	49.85	25.63

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	504.93	1312.37	501.17	1140.31	193.63	502.34
Pong	426.72	384.05	414.24	644.91	408.77	454.47	61.76	388.48
Tehri	829.79	740.04	809.65	795.44	816.10	924.25	68.58	153.00
Koteswar	612.50	598.50	610.89	4.95	609.68	4.44	153.00	159.01
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	50.59	50.59
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	503.97	4.41	508.70	0.50	48.64	213.86

* 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	317	0	-849	294	0	-13.30	7.37	-5.93
Delhi	-1086	-120	0	-564	388	0	-17.09	6.48	-10.61
Haryana	-338	322	0	-364	295	0	-8.60	7.44	-1.16
HP	88	172	0	274	-104	0	6.71	-1.20	5.51
J&K	645	0	0	530	0	0	13.52	-0.72	12.80
CHD	-30	0	0	0	0	0	-0.24	0.00	-0.24
Rajasthan	-7	708	2	-7	677	2	8.69	17.41	26.10
UP	114	0	0	-138	0	0	-1.92	0.00	-1.92
Uttarakhand	194	195	0	225	211	0	4.81	6.71	11.53
Total	-945	1594	2	-894	1761	2	-7.43	43.51	36.08

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-510	-849	323	275	0	0
Delhi	-560	-1086	760	-130	0	0
Haryana	-338	-364	327	159	0	0
HP	409	88	172	-719	0	0
J&K	645	526	74	-191	0	0
CHD	0	-30	20	-61	0	0
Rajasthan	731	-7	1088	611	2	2
UP	144	-217	0	0	0	0
Uttarakhand	225	194	526	100	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 10.12.2015 :
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 :