

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पॉवर सिस्टम की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO1188682

Power Supply Position in Northern Region for 23.09.2015
Date of Reporting : 24.09.2015

I. Regional Availability/Demand:

Demand Met	Evening Peak (20:00 Hrs) MW			Demand Met	Off Peak (03:00 Hrs) MW			Day Energy (Net MU)	
	Shortage	Requirement	Freq* (Hz)		Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
40686	1761	42447	0.00	35135	1150	36286	0.00	875.7	42.57

* 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)	UI (OD:(+ve), UD: (-ve))
	Thermal	Hydro	Renewable/others \$	Total						
Punjab	22.80	7.85		30.65	70.53	70.49	-0.04	101.14	0.00	
Haryana	28.19	0.80		28.99	98.63	98.65	0.02	127.64	0.00	
Rajasthan	99.43	0.00	20.87	120.30	59.25	61.94	2.69	182.24	0.00	
Delhi	16.51			16.51	82.70	79.78	-2.92	96.29	0.05	
UP	125.62	19.30		144.92	130.34	133.59	3.25	278.51	35.28	
Uttarakhand		22.07		22.07	12.90	11.40	-1.50	33.47	0.00	
HP		16.84		16.84	10.51	4.76	-5.75	21.61	0.00	
J & K		16.48	0.00	16.48	15.92	13.75	-2.17	30.23	7.24	
Chandigarh				0.00	5.06	4.55	0.27	4.55	0.00	
Total	292.56	83.34	20.87	396.76	485.82	478.91	-6.14	875.67	42.57	

* 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 (20:00 Hrs) MW				Off Peak (03:00 Hrs) MW				# Max(hourly) Demand Met of Day (MW)	UI (OD:(+ve), UD/Import: (+ve), UD/Export: (-ve))
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction		
Punjab	4763	0	126	488	3757	0	243	597	4763	
Haryana	6942	15	-137	1912	5036	0	248	1686	6942	
Rajasthan	8260	0	67	155	7546	0	152	325	8398	
Delhi	4421	0	71	723	3947	0	7	486	4540	
UP	11398	1310	-88	405	12185	1030	168	648	12758	
Uttarakhand	1793	0	74	23	1150	0	-50	87	1793	
HP	1150	0	-177	-772	683	0	-277	-448	1150	
J&K	1745	436	73	-263	682	120	-219	-387	1828	
Chandigarh	214	0	-25	0	149	0	-13	0	223	
Total	40686	1761	-16	2671	35135	1150	259	2994	40686	

* STOA 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 :

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 (OG:(+ve), UG: (-ve))	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1876	2001	2019	44.42	1851	43.78	0.65	
Rihand I STPS (2*500)	1000	850	850	664	16.27	678	16.05	0.22	
Rihand II STPS (2*500)	1000	960	982	810	19.82	826	19.78	0.04	
Rihand III STPS (2*500)	1000	480	468	332	9.12	380	9.06	0.06	
Dadri I STPS (4*210)	840	788	326	410	9.57	399	9.71	-0.14	
Dadri II STPS (2*490)	980	970	704	670	15.94	664	16.71	-0.78	
Unchahar I TPS (2*210)	420	200	153	149	3.24	135	3.51	-0.27	
Unchahar II TPS (2*210)	420	400	297	293	6.14	256	6.74	-0.60	
Unchahar III TPS (1*220)	210	200	221	148	3.34	139	3.60	-0.26	
ISTPP (Jhajjar) (3*500)	1500	1436	698	640	14.26	594	14.54	-0.27	
Dadri GPS (4*130.19+2*154.51)	830	800	391	279	7.77	324	8.09	-0.32	
Anta GPS (3*88.71+1*153.2)	419	391	211	177	4.97	207	5.22	-0.25	
Auraiya GPS (4*111.19+2*109.30)	663	633	0	0	0.00	0	0.00	0.00	
Dadri Solar	5	1	0	0	0.02	1	0.02	0.00	
Unchahar Solar	10	3	0	0	0.03	1	0.06	-0.03	
Singrauli Solar	15	3	0	0	0.01	0	0.08	-0.07	
KHEP	800	845	826	0	8.25	344	8.62	-0.37	
Sub Total (A)	12112	10835	8016	6591	163	6799	166	-2	
B. NPC									
NAPS (2*220)	440	378	425	416	9.12	380	9.07	0.05	
RAPS- B (2*220)	440	185	210	212	4.44	185	4.44	0.00	
RAPS- C (2*220)	440	390	429	432	9.27	386	9.36	-0.09	
Sub Total (B)	1320	953	1064	1060	22.83	951	22.87	-0.04	
C. NHPC									
Chamera I HPS (3*180)	540	535	545	545	13.02	542	12.74	0.28	
Chamera II HPS (3*100)	300	300	303	300	7.19	300	7.08	0.11	
Chamera III HPS (3*77)	231	229	230	222	5.49	229	5.41	0.08	
Bairasuli HPS(3*60)	180	122	0	182	2.98	124	2.88	0.10	
Saikal-HPS (6*115)	690	141	531	0	3.81	159	3.30	0.51	
Tanakpur-HPS (3*40)	94	81	86	75	2.03	85	1.93	0.10	
Uri-I HPS (4*120)	480	388	388	263	9.78	407	9.25	0.53	
Uri-II HPS (4*60)	240	240	243	242	5.78	241	5.76	0.02	
Dhauliganga-HPS (4*70)	280	280	278	144	4.35	181	4.23	0.12	
Dulhasti-HPS (3*130)	390	386	397	398	9.35	390	9.26	0.08	
Sewa-II HPS (3*40)	120	119	130	0	1.97	82	1.80	0.17	
Parbati 3 (4*130)	520	390	260	0	2.43	101	2.37	0.06	
Sub Total (C)	4065	3212	3391	2370	68	2841	66	2	
D.SJVNL									
NJPC (6*250)	1500	1605	1569	616	23.70	988	23.46	0.24	
Rampur HEP (6*68.67)	412	432	450	173	6.75	281	6.52	0.24	
Sub Total (D)	1912	2037	2019	789	30.46	1269	29.98	0.48	
E. THDC									
Tehri HPS (4*250)	1000	1080	912	0	7.64	318	7.50	0.14	
Koteshwar HPS (4*100)	400	100	102	100	2.41	100	2.40	0.01	
Sub Total (E)	1400	1180	1014	100	10.05	419	9.90	0.15	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	510	1041	389	12.31	513	12.25	0.06	
Dehar HPS (6*165)	990	574	825	495	14.10	588	13.77	0.33	
Pong HPS (6*66)	396	124	252	66	2.96	123	2.97	-0.02	
Sub Total (F)	2765	1208	2118	950	29.36	1224	28.99	0.37	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	207	228	4.07	170	1.48	2.59	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	800	350	12.51	521	12.31	0.20	
Malana Stg-II HPS (2*50)	100	0	110	111	1.85	77	1.61	0.23	
Shree Cement TPS (2*150)	300	0	287	298	6.80	283	6.87	-0.06	
Budhil HPS(IPP) (2*35)	70	0	76	0	0.66	28	0.65	0.02	
Sub Total (G)	1662	0	1480	987	25.90	1079	22.92	2.99	
H. Total Regional Entities (A-G)	25237	19425	19102	12847	349.96	14582	346.23	3.74	

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	170	3.53	147
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	1.96	82
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	210	184	3.93	164
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	383	700	13.38	558
	Talwandi Saboo (1*660)	660	0	0	0.00	0
	Thermal (Total)	4700	893	1144	22.80	950
	Total Hydro	1000	324	364	7.85	327
Total Punjab	5700	1217	1508	30.65	1277	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	475	453	10.86	452
	Faridabad GPS (NTPC)	432	326	317	7.94	331
	RGTTP (khedar) (IPP) (2*600)	1200	409	382	9.40	392
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	4944	1210	1152	28.19	1175
	Total Hydro	62	33	34	0.80	33
Total Haryana	5006	1243	1186	28.99	1208	
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	803	777	18.73	780
	suratgarh TPS (6*250)	1500	903	753	15.60	650
	Chabra TPS (4*250)	1000	189	180	4.41	184
	Dholpur GPS (3*110)	330	86	87	2.18	91
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	132	213	3.80	158
	RAPS A (NPC) (1*100+1*200)	300	161	157	3.97	165
	Barsingar (NLC) (2*125)	250	96	94	2.18	91
	Giral LTPS (2*125)	250	59	59	1.24	52
	Rajwest LTPS (IPP) (8*135)	1080	950	649	17.77	741
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	721	938	18.88	787
	Kawai(Adani) (2*660)	1320	453	440	10.68	445
	Thermal (Total)	8876	4553	4347	99	4143
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	504	771	20.36	848
	Biomass	99	19	19	0.46	19
	Solar	730	0	0	0.05	2
	Renewable/Others (Total)	4043	523	790	20.87	869
	Total Rajasthan	13469	5076	5137	120.30	5012
	UP	Anpara TPS (3*210+2*500)	1630	1290	1346	31.80
Obra TPS (2*50+2*94+5*200)		1194	423	410	11.00	458
Paricha TPS (2*110+2*220+2*250)		1140	623	639	12.80	533
Panki TPS (2*105)		210	59	63	1.40	58
Haridwar TPS (1*60+1*105+2*250)		665	512	542	12.70	529
Tanda TPS (NTPC) (4*110)		440	180	180	4.22	176
Roza TPS (IPP) (4*300)		1200	1089	752	22.70	946
Anpara-C (IPP) (2*600)		1200	540	1080	16.30	679
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	254	252	6.80	283
Anpara-D(1*500)		500	0	0	0.00	0
Lalitpur TPS(1*660)		660	0	394	4.70	196
Thermal (Total)		9289	4970	5658	124	5184
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.40	433
Alakanada(4*82.5)		330	261	207	5.90	246
Other Hydro		527	111	99	3.00	125
Cogeneration		981	50	50	1.20	50
Total UP	11567	5827	6449	145	6039	
Uttarakhand	Total Hydro	1398	992	839	22.07	920
	Total Uttarakhand	1398	992	839	22.07	920
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	33	33	0.85	36
	Pragati Gas Turbine (2x104+ 1x122)	330	148	148	3.58	149
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	247	6.00	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	302	227	6.08	253
	Thermal (Total)	2917	734	655	16.51	688
	Total Delhi	2917	734	655	16.51	688
HP	Baspa HPS (IPP) (3*100)	300	225	215	5.17	215
	Malana HPS (IPP) (2*43)	86	96	16	0.84	35
	Other Hydro	878	483	441	10.84	452
	Total HP	1264	804	672	16.84	702
J & K	Baglihar HPS (IPP) (3*150)	450	600	600	14.40	600
	Other Hydro/IPP	560	92	78	2.08	87
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	692	678	16.48	687
Total State Control Area Generation		42521	16585	17124	396.76	16532
J. Net Inter Regional Exchange (Import +ve)/Export (-ve)]			6182	5824	142.62	5943
Total Regional Availability(Gross)		67758	41869	35795	889.34	37056

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10485	4898	164.73	6864
State Control Area Hydro	6581	3652	3328	83	3472
Total Regional Hydro	18815	14137	8226	248.07	10336

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 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)	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 KV Gwalior-Agra (D/C)	1908	1637	2502	0	42.11	0.00	42.11	0.00	42.11
400 KV Zerda-Kankrol	-100	-164	0	251	0.00	3.68	-3.68	0.00	-3.68
400 KV Zerda-Bhinmal	-146	-148	31	311	0.00	3.47	-3.47	0.00	-3.47
220 KV Auraiya-Malanpur	-38	-71	0	98	0.00	0.86	-0.86	0.00	-0.86
220 KV Badoh-Kota/Morak	6	-81	34	81	0.00	1.32	-1.32	0.00	-1.32
Mundra-Mohindergarh(HVDC Bipole)	2200	1800	2213	0	40.84	0.00	40.84	0.00	40.84
400 KV Vindhychal - Rihand	505	505	506	0	11.63	0.00	11.63	0.00	11.63
765 kV Phagi-Gwalior (D/C)	1049	699	609	0	20.96	0.00	20.96	0.00	20.96
Sub Total WR	5384	4177			115.53	9.33	106.21		
Pusaali Bypass/HVDC	400	400	400	0	9.01	0.00	9.01	0.00	9.01
400 KV MZP- GKP (D/C)	124	396	624	0	9.06	0.00	9.06	0.00	9.06
400 KV Patna-Balia(D/C) X 2	99	222	297	0	4.72	0.00	4.72	0.00	4.72
400 KV B'Shanif-Balia (D/C)	-35	122	243	35	2.52	0.00	2.52	0.00	2.52
765 KV Pusaali-Balia	-12	12	74	41	0.13	0.00	0.13	0.00	0.13
765 KV Gaya-Fatehpur	30	108	243	0	2.91	0.00	2.91	0.00	2.91
220 KV Pusaali-Sahupuri	141	178	178	0	3.52	0.00	3.52	0.00	3.52
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-24	-24	0	32	0.00	0.54	-0.54	0.00	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-113	-9	147	136	0.05	0.00	0.05	0.00	0.05
400 KV Barh -GKP (D/C)	188	242	267	0	5.04	0.00	5.04	0.00	5.04
Sub Total ER	798	1647			36.95	0.54	36.41		
+/- 800 KV BiswanathChariali-Agra	0	0	0	0	0	0	0	0	0
Sub Total NER	0	0			0	0	0		
Total IR Exch	6182	5824			152.49	9.87	142.62		

V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)			Power Exchange Shdi (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Total	Through ER	Through WR	Through ER	Through WR
18.14	3.84	21.99	17.73	15.72	7.56	17.71	1.18	-1.18	
Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)			
Through ER	Through WR Incids Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total	
48.47	106.33	154.80	36.41	106.21	142.62	-12.05	-0.12	-12.17	

V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 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	-16	0	0	28	0	0	-0.03	0.00	-0.03

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	0.46	1.51	10.10	50.82	66.55	18.78	4.51	0.13	0.00

<----- Frequency (Hz) ----->				Average Frequency Hz	Frequency Variation Index	Std. Dev. (Hz)	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN (Hz)
Freq	Time	Freq	Time	Hz	(Hz)	(Hz)		
50.22	4.03	49.66	18.41	49.99	0.059	0.076	0.00	0.00

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV
Rihand	400	407	16:16	398	00:02	0.0	0.0	0.0	0.0
Gorakhpur	400	417	16:07	395	23:27	0.0	0.0	0.0	0.0
Bareilly	400	405	00:00	405	00:00	0.0	0.0	0.0	0.0
Kanpur	400	421	16:06	407	00:02	0.0	0.0	0.3	0.0
Dadri	400	422	16:07	405	00:00	0.0	0.0	3.6	0.0
Ballabhgarh	400	426	16:06	411	00:02	0.0	0.0	32.6	0.0
Bawana	400	426	17:03	412	19:24	0.0	0.0	27.6	0.0
Bassi	400	426	16:05	411	19:26	0.0	0.0	36.2	0.0
Hissar	400	425	16:06	409	00:04	0.0	0.0	12.7	0.0
Moga	400	424	14:00	407	19:26	0.0	0.0	21.4	0.0
Abdullapur	400	428	16:07	410	00:00	0.0	0.0	20.0	0.0
Nalagarh	400	432	06:01	419	00:00	0.0	0.0	89.7	11.5
Kishenpur	400	423	04:01	404	19:07	0.0	0.0	17.4	0.0
Wagoora	400	413	00:00	395	00:00	0.0	0.0	0.0	0.0
Amritsar	400	427	14:07	410	18:59	0.0	0.0	46.4	0.0
Kashipur	400	420	16:04	408	00:02	0.0	0.0	0.0	0.0
Hamirpur	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0
Rishikesh	400	416	16:07	374	11:58	1.4	1.4	0.0	0.0

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV
Fatehpur	765	786	08:05	738	19:28	0.0	2.0	0.0	0.0
Balia	765	775	16:06	740	23:27	0.0	1.6	0.0	0.0
Moga	765	816	14:03	774	19:14	0.0	0.0	51.3	0.0
Agra	765	799	09:04	758	19:26	0.0	0.0	0.0	0.0
Bhiwani	765	810	16:04	784	00:00	0.0	0.0	35.8	0.0
Unnao	765	766	16:06	731	00:03	0.0	15.4	0.0	0.0
Lucknow	765	779	16:08	741	00:04	0.0	0.1	0.0	0.0
Meerut	765	816	16:08	780	19:26	0.0	0.0	42.1	0.0
Jhatikara	765	807	17:03	782	00:00	0.0	0.0	22.7	0.0
Bareilly	765	787	16:06	745	00:02	0.0	0.0	0.0	0.0
Anta	765	768	00:00	768	00:00	0.0	0.0	0.0	0.0
Phagi	765	801	16:07	773	00:00	0.0	0.0	0.7	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	511.41	1620.46	511.37	1620.46	565.49	345.07
Pong	426.72	384.05	421.09	946.20	416.79	743.22	812.52	172.31
Tehri	829.79	740.04	822.70	1055.08	822.55	1054.00	178.66	167.00
Koteshwar	612.50	598.50	610.27	4.70	611.79	5.73	167.00	158.86
Chamera-I	760.00	748.75	760.00	0.00	0.00	0.00	724.02	352.10
Rihand	268.22	252.98	851.70	283.00	857.30	378.10	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	512.99	2.28	516.15	6.45	99.92	208.85

* NA: Not Available

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (20:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	288	309	0	283	205	0	6.90	6.92	13.83
Delhi	148	340	-2	638	86	-2	9.13	8.46	17.59
Haryana	1701	-15	0	1701	211	0	40.85	1.31	42.17
HP	-439	-9	0	-388	-383	0	-9.73	-2.87	-12.60
J&K	-422	35	0	-422	159	0	-10.13	3.42	-6.71
CHD	0	0	0	0	0	0	0.00	0.55	0.55
Rajasthan	-248	571	2	-390	543	2	-6.66	11.21	4.55
UP	648	0	0	405	0	0	10.33	0.00	10.33
Uttarakhand	-94	181	0	-103	125	0	-2.24	4.55	2.31
Total	1582	1412	0	1725	946	0	38.45	33.56	72.02

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	288	283	326	183	0	0
Delhi	688	55	732	-53	0	-2
Haryana	1704	1700	238	-350	0	0
HP	-388	-439	95	-451	0	0
J&K	-422	-422	249	-15	0	0
CHD	0	0	69	0	0	0
Rajasthan	-248	-391	581	-174	2	0
UP	653	311	0	0	0	0
Uttarakhand	-80	-103	399	5	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 23.09.2015 :
Scattered rain in part of Northern region.

XIV. Synchronisation of new generating units :

XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :

XVI. Tripping of lines in pooling stations :

XVII. Complete generation loss in a generating station :