

पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिस्ट की पूर्ण व्यापकता प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 24.09.2015

Date of Reporting : 25.09.2015

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
41294	2196	43490	50.10	36978	2058	39036	50.13	878.4	42.08

* 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	20.54	8.03		28.57	83.82	83.08	-0.74	111.65	0.00	
Haryana	27.98	0.82		28.79	103.64	101.48	-2.16	130.28	0.00	
Rajasthan	112.77	0.00	13.78	126.55	56.09	56.25	0.16	182.80	0.00	
Delhi	14.04			14.04	77.53	75.37	-2.16	89.41	0.33	
UP	138.42	18.10		156.52	124.85	126.05	1.19	282.57	32.81	
Uttarakhand		2.13		2.13	13.67	14.45	0.78	16.58	0.00	
HP		17.31		17.31	6.54	5.70	-0.84	23.00	0.00	
J & K		16.48	0.00	16.48	21.26	21.15	-0.11	37.63	8.95	
Chandigarh				0.00	4.90	4.46	0.27	4.46	0.00	
Total	313.76	62.86	13.78	390.40	492.29	487.98	-3.60	878.38	42.08	

* 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 (OA/PX (OD/Import: (+ve), UD/Export: (-ve))
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction		
Punjab	5385	0	-71	463	4174	0	297	590	5385	
Haryana	6914	0	-399	1913	5050	0	6	1820	6914	
Rajasthan	8058	0	-145	129	7968	0	-94	99	8346	
Delhi	4077	109	-219	514	3775	0	21	289	4345	
UP	11855	1600	-15	390	12621	1860	-46	608	12821	
Uttarakhand	1754	0	38	75	1376	0	148	-88	1771	
HP	1082	0	-62	-854	752	0	-151	-670	1191	
J&K	1950	487	92	-313	1122	198	-151	-437	1950	
Chandigarh	218	0	-21	0	141	0	-20	0	222	
Total	41294	2196	-802	2318	36978	2058	10	2210	41294	

* 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	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1699	1674	1594	39.50	1646	38.76	0.74	
Rihand I STPS (2*500)	1000	836	869	768	18.32	763	18.24	0.08	
Rihand II STPS (2*500)	1000	943	956	840	20.82	868	20.51	0.31	
Rihand III STPS (2*500)	1000	480	487	421	10.30	429	10.26	0.04	
Dadri I STPS (4*210)	840	800	286	273	7.10	296	6.99	0.11	
Dadri II STPS (2*490)	980	970	653	686	16.03	668	16.56	-0.53	
Unchahar I TPS (2*210)	420	200	159	169	3.43	143	3.95	-0.53	
Unchahar II TPS (2*210)	420	400	308	355	7.04	293	7.76	-0.72	
Unchahar III TPS (1*220)	210	200	150	155	3.31	138	3.82	-0.51	
ISTPP (Jhajjar) (3*500)	1500	1436	632	613	14.12	588	14.40	-0.28	
Dadri GPS (4*130.19+2*154.51)	830	800	254	254	5.99	249	6.23	-0.25	
Anta GPS (3*88.71+1*153.2)	419	392	160	169	4.25	177	4.10	0.15	
Auraiya GPS (4*111.19+2*109.30)	663	635	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	0.04	2	0.06	-0.02	
Singrauli Solar	15	3	0	0	0.01	0	0.08	-0.07	
KHEP	800	795	419	126	9.18	382	9.57	-0.40	
Sub Total (A)	12112	10593	7007	6423	159	6644	161	-2	
B. NPC									
NAPS (2*220)	440	375	422	425	9.21	384	9.00	0.21	
RAPS- B (2*220)	440	185	212	212	4.47	186	4.44	0.03	
RAPS- C (2*220)	440	390	433	435	9.29	387	9.36	-0.07	
Sub Total (B)	1320	950	1067	1072	22.97	957	22.80	0.17	
C. NHPC									
Chamera I HPS (3*180)	540	537	545	540	13.03	543	12.89	0.14	
Chamera II HPS (3*100)	300	300	304	302	7.22	301	7.14	0.08	
Chamera III HPS (3*77)	231	229	231	226	4.78	199	4.72	0.05	
Bairasuli HPS(3*60)	180	75	0	0	1.59	66	1.53	0.07	
Saikal-HPS (6*115)	690	628	673	675	15.77	657	14.97	0.80	
Tanakpur-HPS (3*40)	94	80	92	87	2.07	86	1.92	0.16	
Uri-I HPS (4*120)	480	446	238	463	10.71	446	10.58	0.14	
Uri-II HPS (4*60)	240	227	226	242	5.45	227	5.45	0.01	
Dhauliganga-HPS (4*70)	280	276	280	210	0.39	16	4.07	-3.68	
Dulhasti-HPS (3*130)	390	386	400	395	9.42	393	9.26	0.16	
Sewa-II HPS (3*40)	120	119	130	130	3.10	129	2.86	0.24	
Parbati 3 (4*130)	520	390	276	0	2.12	88	2.05	0.07	
Sub Total (C)	4065	3693	3394	3271	76	3153	77	-2	
D.SJVNL									
NJPC (6*250)	1500	1570	1354	1004	24.43	1018	24.19	0.24	
Rampur HEP (6*68.67)	412	425	371	284	6.99	291	6.70	0.29	
Sub Total (D)	1912	1996	1725	1288	31.42	1309	30.89	0.53	
E. THDC									
Tehri HPS (4*250)	1000	1080	1082	0	7.50	313	7.45	0.05	
Koteshwar HPS (4*100)	400	121	265	100	2.93	122	2.90	0.03	
Sub Total (E)	1400	1201	1347	100	10.43	435	10.35	0.09	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	501	1041	365	12.12	505	12.02	0.10	
Dehar HPS (6*165)	990	586	825	560	14.16	590	14.06	0.10	
Pong HPS (6*66)	396	148	312	66	3.58	149	3.56	0.02	
Sub Total (F)	2765	1235	2178	991	29.86	1244	29.64	0.23	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	95	124	2.40	100	1.96	0.44	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	900	650	13.39	558	13.25	0.14	
Malana Stg-II HPS (2*50)	100	0	102	60	1.13	47	1.08	0.04	
Shree Cement TPS (2*150)	300	0	296	295	6.97	290	7.02	-0.05	
Budhil HPS(IPP) (2*35)	70	0	75	37	1.28	53	1.27	0.01	
Sub Total (G)	1662	0	1468	1165	25.16	1048	24.58	0.58	
H. Total Regional Entities (A-G)	25237	19667	18187	14310	354.95	14789	357.01	-2.06	

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	170	210	3.91	163	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	115	2.21	92	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	182	210	4.19	175	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	498	355	10.24	427	
	Talwandi Saboo (1*660)	660	0	0	0.00	0	
	Thermal (Total)	4700	940	890	20.54	856	
	Total Hydro	1000	389	399	8.03	335	
Total Punjab	5700	1329	1289	28.57	1190		
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0	
	DCRTPP (Yamuna nagar) (2*300)	600	548	450	10.83	451	
	Faridabad GPS (NTPC)	432	369	317	7.98	332	
	RGTTP (khedar) (IPP) (2*600)	1200	549	383	9.17	382	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0	
	Thermal (Total)	4944	1466	1150	27.98	1166	
	Total Hydro	62	34	34	0.82	34	
	Total Haryana	5006	1500	1184	28.79	1200	
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	777	778	18.82	784
suratgarh TPS (6*250)		1500	555	753	15.80	658	
Chabra TPS (4*250)		1000	333	183	5.20	217	
Dholpur GPS (3*110)		330	89	88	2.14	89	
Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)		271	157	157	3.91	163	
RAPS A (NPC) (1*100+1*200)		300	171	174	4.32	180	
Barsingar (NLC) (2*125)		250	99	96	2.16	90	
Giral LTPS (2*125)		250	50	59	1.26	53	
Rajwest LTPS (IPP) (8*135)		1080	948	651	20.01	834	
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0	
Kalisindh Thermal(2*600)		1200	655	748	16.78	699	
Kawati(Adani) (2*660)		1320	1196	1010	22.38	932	
Thermal (Total)		8876	5030	4697	113	4699	
Total Hydro		550	0	0	0.00	0	
Wind power		3214	256	1036	13.05	544	
Biomass		99	20	20	0.49	20	
Solar		730	1	0	0.24	10	
Renewable/Others (Total)		4043	277	1056	13.78	574	
Total Rajasthan		13469	5307	5753	126.55	5273	
UP		Anpara TPS (3*210+2*500)	1630	1373	1371	32.40	1350
		Obra TPS (2*50+2*94+5*200)	1194	428	428	10.10	421
		Paricha TPS (2*110+2*220+2*250)	1140	651	637	15.10	629
	Panki TPS (2*105)	210	59	63	1.40	58	
	Haridwar TPS (1*60+1*105+2*250)	665	550	546	13.00	542	
	Tanda TPS (NTPC) (4*110)	440	180	180	4.22	176	
	Roza TPS (IPP) (4*300)	1200	972	1067	24.00	1000	
	Anpara-C (IPP) (2*600)	1200	1086	540	21.40	892	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	280	363	7.10	296	
	Anpara-D(1*500)	500	0	0	0.00	0	
	Lalitpur TPS(1*660)	660	429	393	8.50	354	
	Thermal (Total)	9289	6008	5588	137	5718	
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.10	421	
	Alakanada(4*82.5)	330	219	248	5.50	229	
	Other Hydro	527	88	155	2.50	104	
	Cogeneration	981	50	50	1.20	50	
	Total UP	11567	6800	6476	157	6522	
	Uttarakhand	Total Hydro	1398	890	907	2.13	89
Total Uttarakhand		1398	890	907	2.13	89	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.02	1	
	Delhi Gas Turbine (6x30 + 3x34)	282	33	33	0.87	36	
	Pragati Gas Turbine (2x104+ 1x122)	330	148	148	3.57	149	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	251	247	5.97	249	
	Badarpur TPS (NTPC) (3*95+2*210)	705	302	227	3.61	151	
	Thermal (Total)	2917	734	656	14.04	585	
	Total Delhi	2917	734	656	14.04	585	
HP	Baspa HPS (IPP) (3*100)	300	99	159	4.51	188	
	Malana HPS (IPP) (2*43)	86	84	83	1.11	46	
	Other Hydro	878	493	498	11.69	487	
	Total HP	1264	676	740	17.31	721	
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	17928	17683	390.40	16266	
J. Net Inter Regional Exchange (Import +ve)/Export (-ve)]			6037	4734	136.11	5671	
Total Regional Availability(Gross)		67758	42152	36726	881.46	36727	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10160	6609	173.46	7228
State Control Area Hydro	6581	3423	3596	63	2619
Total Regional Hydro	18815	13583	10205	236.33	9847

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	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	0	0	0	0	0	0	0.00	0.00	0.00
765 KV Gwalior-Agra (D/C)	2270	1467	2511	0	42.62	0.00	42.62	0.00	42.62
400 KV Zerda-Kankrol	-51	-244	5	278	0.00	3.60	-3.60	0.00	-3.60
400 KV Zerda-Bhinmal	-33	-210	51	246	0.00	2.97	-2.97	0.00	-2.97
220 KV Auraiya-Malanpur	-35	-68	0	81	0.00	0.93	-0.93	0.00	-0.93
220 KV Badoh-Kota/Morak	-15	-110	35	106	0.00	1.97	-1.97	0.00	-1.97
Mundra-Mohindergarh(HVDC Bipole)	1606	1597	2003	0	38.14	0.00	38.14	0.00	38.14
400 KV Vindhychal - Rihand	502	445	507	0	11.73	0.00	11.73	0.00	11.73
765 kV Phagi-Gwalior (D/C)	979	438	506	0	18.01	0.00	18.01	0.00	18.01
Sub Total WR	5223	3315			110.49	9.47	101.02		
Pusaali Bypass/HVDC	400	400	400	0	9.01	0.00	9.01	0.00	9.01
400 KV MZP- GKP (D/C)	94	356	510	0	8.00	0.00	8.00	0.00	8.00
400 KV Patna-Balia(D/C) X 2	104	192	280	0	4.65	0.00	4.65	0.00	4.65
400 KV B'Shanif-Balia (D/C)	-59	104	185	59	2.10	0.00	2.10	0.00	2.10
765 KV Pusaali-Balia	-17	43	125	61	0.51	0.00	0.51	0.00	0.51
765 KV Gaya-Fatehpur	84	53	263	0	3.20	0.00	3.20	0.00	3.20
220 KV Pusaali-Sahupuri	128	174	161	0	3.60	0.00	3.60	0.00	3.60
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-32	-25	0	40	0.00	0.64	-0.64	0.00	-0.64
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-95	-78	123	150	0.00	0.27	-0.27	0.00	-0.27
400 KV Barh -GKP (D/C)	207	200	278	0	4.93	0.00	4.93	0.00	4.93
Sub Total ER	814	1419			36.00	0.91	35.09		
+/- 800 KV BiswanathChariali-Agra	0	0	0	0	0	0	0	0	0
Sub Total NEH	0	0			0	0	0		
Total IR Exch	6037	4734			146.49	10.38	136.11		

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	Through ER	Through WR	Through ER	Through WR
20.05	3.63	23.68	16.63	14.92	6.94	2.89	0.65	-0.65
Total IR Schedule (MU)								
Through ER	Through WR Incids Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
47.90	102.55	150.45	35.09	101.02	136.11	-12.81	-1.53	-14.34

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	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	0	0	0	0	0	0	0	0	-0.01

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	0.17	2.60	16.25	57.47	66.44	12.53	4.85	0.00	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX	MIN
Freq	Time	Freq	Time	Hz	(Hz)	(Hz)	(Hz)	(Hz)
50.19	17.31	49.67	18.43	49.98	0.068	0.080	50.20	49.88

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	405	04:14	398	11:41	0.0	0.0	0.0	0.0
Gorakhpur	400	417	07:04	397	23:07	0.0	0.0	0.0	0.0
Bareilly	400	412	17:29	396	18:49	0.0	0.0	0.0	0.0
Kanpur	400	418	04:00	399	18:49	0.0	0.0	0.0	0.0
Dadri	400	420	04:06	398	18:48	0.0	0.0	0.0	0.0
Ballabhgarh	400	425	04:01	401	18:47	0.0	0.0	12.4	0.0
Bawana	400	424	04:00	401	18:43	0.0	0.0	11.5	0.0
Bassi	400	430	04:03	402	18:46	0.0	0.0	13.9	0.0
Hissar	400	423	04:00	397	18:44	0.0	0.0	3.1	0.0
Moga	400	423	04:00	400	18:43	0.0	0.0	5.1	0.0
Abdullapur	400	427	04:03	401	18:48	0.0	0.0	24.9	0.0
Nalagarh	400	432	04:03	407	18:46	0.0	0.0	28.1	1.0
Kishenpur	400	422	03:21	401	18:50	0.0	0.0	5.3	0.0
Wagoora	400	413	02:00	395	19:31	1.3	17.5	0.0	0.0
Amritsar	400	428	04:00	404	18:44	0.0	0.0	28.6	0.0
Kashipur	400	0	00:00	9999	00:00	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	410	04:01	396	10:21	0.0	0.0	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	775	04:04	739	18:50	0.0	1.1	0.0	0.0
Balia	765	773	07:04	740	23:06	0.0	1.4	0.0	0.0
Moga	765	802	04:00	758	18:47	0.0	0.0	0.6	0.0
Agra	765	797	04:01	752	18:52	0.0	0.0	0.0	0.0
Bhiwani	765	808	04:01	765	18:42	0.0	0.0	4.3	0.0
Unnao	765	764	04:02	733	23:11	0.0	11.0	0.0	0.0
Lucknow	765	774	07:06	743	23:06	0.0	0.0	0.0	0.0
Meerut	765	810	04:01	764	18:43	0.0	0.0	13.3	0.0
Jhatikara	765	804	03:59	762	18:57	0.0	0.0	6.6	0.0
Bareilly	765	780	04:02	748	18:43	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	799	03:56	761	18:51	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	511.55	1620.46	511.28	1605.30	592.22	344.22
Pong	426.72	384.05	421.21	946.20	416.73	743.22	540.40	203.43
Tehri	829.79	740.04	822.80	1056.00	822.80	1056.00	181.43	165.00
Koteshwar	612.50	598.50	609.24	4.21	611.78	5.73	165.00	192.77
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	383.64	353.68
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	513.65	1.95	515.77	9.87	887.96	114.93

* 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	301	0	283	180	0	6.90	6.34	13.24
Delhi	98	193	-2	489	27	-2	7.71	4.92	12.63
Haryana	1704	115	0	1704	209	0	40.92	-0.82	40.11
HP	-500	-170	0	-388	-465	0	-10.42	-6.96	-17.38
J&K	-422	-15	0	-422	110	0	-10.13	2.47	-7.66
CHD	0	0	0	0	0	0	0.00	0.19	0.19
Rajasthan	-248	345	2	-390	517	2	-6.66	10.54	3.88
UP	608	0	0	390	0	0	10.26	0.00	10.26
Uttarakhand	-94	5	0	-103	178	0	-2.24	4.19	1.95
Total	1435	775	0	1564	754	0	36.34	20.87	57.22

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	288	283	319	175	0	0
Delhi	589	85	474	-72	0	-2
Haryana	1707	1703	232	-569	0	0
HP	-388	-591	-160	-583	0	0
J&K	-422	-422	184	-15	0	0
CHD	0	0	54	0	0	0
Rajasthan	-248	-391	552	-14	2	0
UP	629	300	0	0	0	0
Uttarakhand	-80	-103	389	4	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 24.09.2015 :
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 :