

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पॉवरसिस्ट की पूर्ण व्यापकता प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO1188682

Power Supply Position in Northern Region for 30.09.2015

Date of Reporting : 01.10.2015

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
44650	2307	46957	50.11	37139	4011	41149	50.10	946.1	84.65

* 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	71.57	11.76		83.33	71.15	70.54	-0.62	153.86	0.00	
Haryana	33.07	0.70		33.77	120.70	118.24	-2.46	152.00	0.00	
Rajasthan	131.93	0.08	3.75	135.76	56.11	56.88	0.77	192.64	1.05	
Delhi	15.28			15.28	75.23	73.60	-1.64	88.88	0.10	
UP	138.09	11.60		149.69	103.75	107.61	3.86	257.30	72.09	
Uttarakhand		17.56		17.56	16.12	18.43	2.31	35.99	1.92	
HP		12.54		12.54	10.02	12.31	2.29	24.85	0.83	
J & K		10.48	0.00	10.48	23.70	25.35	1.65	35.82	8.67	
Chandigarh				0.00	4.59	4.71	0.27	4.71	0.00	
Total	389.94	64.72	3.75	458.40	481.36	487.66	6.44	946.06	84.65	

* 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	7487	0	-84	183	5817	0	85	196	7487	
Haryana	7866	0	-280	1901	5168	0	65	1259	7866	
Rajasthan	8517	0	-36	123	8180	107	206	281	8595	
Delhi	4087	97	-20	340	3572	0	-29	271	4177	
UP	11570	1665	73	192	10740	3675	85	390	11880	
Uttarakhand	1778	75	35	149	1338	0	35	127	1798	
HP	1237	0	-41	-706	883	0	242	-212	1300	
J&K	1879	470	119	-104	1296	229	107	-298	1879	
Chandigarh	229	0	-8	0	145	0	3	0	242	
Total	44650	2307	-242	2079	37139	4011	799	2014	44650	

* STOA figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

Diversity is 1.01

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	1402	1608	1552	34.66	1444	33.65	1.01	
Rihand I STPS (2*500)	1000	816	918	842	19.74	822	19.56	0.18	
Rihand II STPS (2*500)	1000	943	995	920	23.20	967	22.50	0.71	
Rihand III STPS (2*500)	1000	480	514	463	11.38	474	11.52	-0.14	
Dadri I STPS (4*210)	840	800	419	393	8.97	374	9.24	-0.27	
Dadri II STPS (2*490)	980	970	950	900	20.85	869	22.18	-1.32	
Unchahar I TPS (2*210)	420	200	210	199	4.67	195	4.78	-0.10	
Unchahar II TPS (2*210)	420	400	389	350	9.30	388	9.51	-0.21	
Unchahar III TPS (1*220)	210	200	197	210	4.59	191	4.75	-0.16	
ISTPP (Jhajjar) (3*500)	1500	1436	857	748	17.04	710	17.51	-0.47	
Dadri GPS (4*130.19+2*154.51)	830	800	359	256	8.05	335	8.45	-0.40	
Anta GPS (3*88.71+1*153.2)	419	397	0	0	0.00	0	0.00	0.00	
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	1	0.06	-0.03	
Singrauli Solar	15	3	0	0	0.06	2	0.08	-0.02	
KHEP	800	845	832	0	5.96	248	5.85	0.11	
Sub Total (A)	12112	10331	8248	6833	169	7021	170	-1	
B. NPC									
NAPS (2*220)	440	0	0	0	0.00	0	0.00	0.00	
RAPS- B (2*220)	440	189	210	216	4.22	176	4.54	-0.31	
RAPS- C (2*220)	440	400	433	438	9.12	380	9.60	-0.48	
Sub Total (B)	1320	589	643	654	13.35	556	14.14	-0.79	
C. NHPC									
Chamera I HPS (3*180)	540	534	360	0	2.28	95	2.21	0.08	
Chamera II HPS (3*100)	300	4	0	0	0.11	5	0.10	0.02	
Chamera III HPS (3*77)	231	0	0	0	0.09	4	0.05	0.04	
Bairasuli HPS(3*60)	180	179	181	0	1.50	63	1.43	0.07	
Saikal-HPS (6*115)	690	252	460	228	6.77	282	6.16	0.60	
Tanakpur-HPS (3*40)	94	60	65	60	1.61	67	1.46	0.15	
Uri-I HPS (4*120)	480	475	477	473	11.54	481	11.40	0.14	
Uri-II HPS (4*60)	240	231	232	233	5.58	233	5.54	0.05	
Dhauliganga-HPS (4*70)	280	280	276	73	2.79	116	2.59	0.20	
Dulhasti-HPS (3*130)	390	386	400	398	8.62	359	8.40	0.22	
Sewa-II HPS (3*40)	120	119	120	43	2.26	94	1.94	0.32	
Parbati 3 (4*130)	520	294	0	0	0.98	41	0.94	0.03	
Sub Total (C)	4065	2814	2570	1507	44	1839	42	2	
D.SJVNL									
NJPC (6*250)	1500	1605	1259	0	17.59	733	17.51	0.08	
Rampur HEP (6*68.67)	412	432	378	0	5.02	209	4.87	0.14	
Sub Total (D)	1912	2037	1637	0	22.61	942	22.39	0.23	
E. THDC									
Tehri HPS (4*250)	1000	1080	691	0	6.75	281	6.60	0.15	
Koteshwar HPS (4*100)	400	92	100	91	2.25	94	2.21	0.04	
Sub Total (E)	1400	1172	791	91	9.00	375	8.81	0.19	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	718	1217	494	17.43	726	17.24	0.19	
Dehar HPS (6*165)	990	338	660	280	8.41	350	8.12	0.29	
Pong HPS (6*66)	396	139	324	0	3.42	143	3.33	0.09	
Sub Total (F)	2765	1195	2201	774	29.26	1219	28.69	0.57	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	95	60	1.40	58	1.35	0.05	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	830	290	9.70	404	9.61	0.09	
Malana Stg-II HPS (2*50)	100	0	100	26	0.66	27	0.65	0.01	
Shree Cement TPS (2*150)	300	0	297	291	6.98	291	6.90	0.08	
Budhil HPS(IPP) (2*35)	70	0	75	0	0.58	24	0.57	0.01	
Sub Total (G)	1662	0	1398	667	19.32	805	19.08	0.24	
H. Total Regional Entities (A-G)	25237	18138	17487	10526	306.17	12757	304.95	1.22	

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	630	580	13.24	552
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.10	88
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	634	429	10.20	425
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1393	1381	31.77	1324
	Talwandi Saboo (1*660)	660	655	663	14.26	594
	Thermal (Total)	4700	3412	3153	71.57	2982
	Total Hydro	1000	563	358	11.76	490
Total Punjab	5700	3975	3511	83.33	3472	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.08	3
	DCRTPP (Yamuna nagar) (2*300)	600	558	458	11.89	496
	Faridabad GPS (NTPC)	432	387	320	8.28	345
	RGTPP (khedar) (IPP) (2*600)	1200	565	365	11.27	470
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	126	0	1.54	64
	Thermal (Total)	4944	1636	1143	33.07	1378
	Total Hydro	62	29	29	0.70	29
	Total Haryana	5006	1665	1172	33.77	1407
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	780	725	18.15
suratgarh TPS (6*250)		1500	1122	1129	25.24	1052
Chabra TPS (4*250)		1000	628	654	14.83	618
Dholpur GPS (3*110)		330	80	83	2.00	83
Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)		271	67	68	1.59	66
RAPS A (NPC) (1*100+1*200)		300	160	167	4.02	168
Barsingar (NLC) (2*125)		250	167	167	3.93	164
Giral LTPS (2*125)		250	72	63	1.30	54
Rajwest LTPS (IPP) (8*135)		1080	720	725	17.35	723
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	777	459	14.55	606
Kawati(Adani) (2*660)		1320	1223	1205	28.96	1207
Thermal (Total)		8876	5796	5445	132	5497
Total Hydro		550	59	0	0.08	3
Wind power		3214	117	292	3.05	127
Biomass		99	25	25	0.61	25
Solar		730	0	0	0.09	4
Renewable/Others (Total)		4043	142	317	3.75	156
Total Rajasthan		13469	5997	5762	135.76	5657
UP		Anpara TPS (3*210+2*500)	1630	1318	1362	31.80
	Obra TPS (2*50+2*94+5*200)	1194	464	464	11.10	463
	Paricha TPS (2*110+2*220+2*250)	1140	536	568	12.80	533
	Panki TPS (2*105)	210	63	59	1.40	58
	Haridwar TPS (1*60+1*105+2*250)	665	499	534	12.30	513
	Tanda TPS (NTPC) (4*110)	440	275	280	6.69	279
	Roza TPS (IPP) (4*300)	1200	1090	1089	26.50	1104
	Anpara-C (IPP) (2*600)	1200	1083	1087	25.90	1079
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	343	323	8.30	346
	Anpara-D(1*500)	500	0	0	0.00	0
	Lalitpur TPS(1*660)	660	0	0	0.00	0
	Thermal (Total)	9289	5671	5766	137	5700
	Vishnuparyag HPS (IPP)(4*110)	440	316	316	7.10	296
	Alakanada(4*82.5)	330	169	169	0.40	17
	Other Hydro	527	203	188	4.10	171
	Cogeneration	981	50	50	1.30	54
	Total UP	11567	6409	6489	150	6237
Uttarakhand	Total Hydro	1398	812	713	17.56	732
	Total Uttarakhand	1398	812	713	17.56	732
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	33	33	0.85	35
	Pragati Gas Turbine (2x104+ 1x122)	330	149	152	3.61	150
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	251	6.00	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	226	225	4.82	201
	Thermal (Total)	2917	660	661	15.28	637
	Total Delhi	2917	660	661	15.28	637
HP	Baspa HPS (IPP) (3*100)	300	196	54	2.97	124
	Malana HPS (IPP) (2*43)	86	69	10	0.61	25
	Other Hydro	878	419	354	8.97	374
	Total HP	1264	684	418	12.54	523
J & K	Baglihar HPS (IPP) (3*150)	450	350	350	8.40	350
	Other Hydro/IPP	560	122	115	2.08	87
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	472	465	10.48	437
Total State Control Area Generation		42521	20674	19191	458.40	19100
J. Net Inter Regional Exchange (Import +ve)/Export (-ve)]			7730	8347	174.73	7280
Total Regional Availability(Gross)		67758	45891	38064	939.30	39137

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9056	2748	122.70	5113
State Control Area Hydro	6581	3307	2656	65	2696
Total Regional Hydro	18815	12363	5404	187.42	7809

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)	2948	2909	3152	0	70.14	0.00	70.14	0.00	70.14
400 KV Zerda-Kankrol	51	64	131	56	1.27	0.00	1.27	0.00	1.27
400 KV Zerda-Bhinmal	96	105	209	19	2.84	0.00	2.84	0.00	2.84
220 KV Auraiya-Malanpur	9	-20	0	28	0.00	0.34	-0.34	0.00	-0.34
220 KV Badod-Kota/Morak	40	47	54	0	0.75	0.00	0.75	0.00	0.75
Mundra-Mohindergarh(HVDC Bipole)	2497	2500	2527	0	60.45	0.00	60.45	0.00	60.45
400 KV Vindhychal - Rihand	498	508	508	0	11.94	0.00	11.94	0.00	11.94
765 kV Phagi-Gwalior (D/C)	924	1068	554	19	0.00	0.00	0.00	0.00	0.00
Sub Total WR	7063	7181			147.39	0.34	147.05		
Pusauli Bypass/HVDC	450	450	450	0	9.42	0.00	9.42	0.00	9.42
400 KV MZP- GKP (D/C)	257	-170	271	257	2.18	0.00	2.18	0.00	2.18
400 KV Patna-Balia(D/C) X 2	114	253	359	0	6.39	0.00	6.39	0.00	6.39
400 KV B'Shanif-Balia (D/C)	-161	54	159	161	1.42	0.00	1.42	0.00	1.42
765 KV Gaya-Balia	63	116	178	0	1.67	0.00	1.67	0.00	1.67
765 KV Gaya-Fatehpur	-65	88	197	139	1.56	0.00	1.56	0.00	1.56
220 KV Pusauli-Sahupuri	155	0	210	0	3.01	0.00	3.01	0.00	3.01
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-30	-36	0	38	0.00	0.71	-0.71	0.00	-0.71
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-301	-92	10	342	0.00	3.41	-3.41	0.00	-3.41
400 KV Barh -GKP (D/C)	185	213	296	0	5.17	0.00	5.17	0.00	5.17
Sub Total ER	667	876			31.31	4.12	27.19		
+/- 800 KV BiswanathChariali-Agra	0	290	300	0	0.49	0.00	0.49	0.00	0.49
Sub Total NER	0	290			0.49	0.00	0.49		
Total IR Exch	7730	8347			179.18	4.45	174.73		

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
33.36	3.85	37.21	16.00	7.50	0.74	23.53	0.53	-0.53	
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	
54.48	136.11	190.59	27.19	147.05	174.24	-27.29	10.94	-16.35	

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	0.00

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	0.83	5.97	33.19	77.43	60.28	4.10	2.43	0.28	0.00

<----- Frequency (Hz) ----->

Maximum				Minimum				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Freq	Time	Freq	Time	Hz	(Hz)	MAX (Hz)	MIN (Hz)					
50.27	18.03	49.54	18.42	49.93	0.125	0.089	50.16	49.82				

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	403	08:02	396	15:53	0.0	0.0	0.0	0.0
Gorakhpur	400	413	07:18	394	00:08	0.0	0.0	0.0	0.0
Bareilly	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Kanpur	400	418	03:04	394	18:41	0.0	0.0	0.0	0.0
Dadri	400	419	03:00	394	18:41	0.0	0.0	0.0	0.0
Ballabgarh	400	426	03:02	398	18:40	0.0	0.0	7.8	0.0
Bawana	400	424	02:56	397	18:42	0.0	0.0	6.2	0.0
Bassi	400	425	03:02	399	18:40	0.0	0.0	7.4	0.0
Hissar	400	419	03:01	390	18:40	0.0	0.0	0.0	0.0
Moga	400	420	03:00	395	18:44	0.0	0.0	0.0	0.0
Abdullapur	400	425	03:01	390	18:50	0.0	0.0	6.3	0.0
Nalagarh	400	428	02:51	399	18:45	0.0	0.0	11.8	0.0
Kishenpur	400	424	02:50	401	18:50	0.0	0.0	12.2	0.0
Wagoora	400	413	02:42	395	18:54	0.0	5.8	0.0	0.0
Amritsar	400	422	02:58	397	18:40	0.0	0.0	5.0	0.0
Kashipur	400	418	03:01	406	18:40	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	408	03:00	381	18:55	0.0	14.1	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	771	03:05	729	18:41	0.0	4.3	0.0	0.0
Balia	765	764	07:20	732	18:40	0.0	17.0	0.0	0.0
Moga	765	802	03:00	755	18:40	0.0	0.0	0.9	0.0
Agra	765	791	03:01	744	18:40	0.0	0.0	0.0	0.0
Bhiwani	765	805	03:00	758	18:38	0.0	0.0	5.5	0.0
Unnao	765	756	03:00	726	18:41	0.5	50.4	0.0	0.0
Lucknow	765	768	03:00	734	18:40	0.0	4.0	0.0	0.0
Meerut	765	810	03:00	759	18:41	0.0	0.0	5.7	0.0
Jhatikara	765	809	03:01	759	18:38	0.0	0.0	6.1	0.0
Bareilly	765	0	00:00	9999	00:00	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	791	02:56	754	18:39	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	511.66	1635.65	510.49	1575.10	362.34	489.09
Pong	426.72	384.05	421.14	946.20	416.39	730.66	120.60	196.43
Tehri	829.79	740.04	822.75	1060.00	823.90	1086.79	147.22	149.00
Koteshwar	612.50	598.50	610.62	4.85	608.96	3.98	149.00	147.98
Chamera-I	760.00	748.75	755.74	0.00	0.00	0.00	130.71	62.11
Rihand	268.22	252.98	852.40	294.60	856.50	364.10	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	514.04	4.85	515.05	6.17	318.06	277.40

* 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	188	8	0	183	0	0	4.50	0.24	4.73
Delhi	82	189	0	350	-10	0	5.73	3.47	9.20
Haryana	1856	-596	0	1856	45	0	44.56	-3.72	40.84
HP	-439	226	0	-388	-317	0	-9.72	0.38	-9.34
J&K	-413	115	0	-442	338	0	-9.90	6.70	-3.21
CHD	0	0	0	0	0	0	0.00	0.14	0.14
Rajasthan	-273	552	2	-411	533	2	-7.24	14.20	6.96
UP	390	0	0	192	0	0	4.97	1.21	6.18
Uttarakhand	-192	318	0	-200	349	0	-4.58	8.67	4.09
Total	1200	812	2	1139	937	2	28.31	31.28	59.60

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	188	183	86	0	0	0
Delhi	408	82	417	-120	0	0
Haryana	1859	1854	209	-614	0	0
HP	-388	-439	247	-409	0	0
J&K	-383	-442	388	115	0	0
CHD	0	0	69	0	0	0
Rajasthan	-273	-412	945	235	2	2
UP	442	104	491	0	0	0
Uttarakhand	-178	-200	502	5	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 30.09.2015 :
Normal.

XIV. Synchronisation of new generating units :

XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :
400 kV Bara-Rewa Road first time charged at 20:34 hrs 30-09-2015 after LILO of 400 kV Obra-Bara at 400 kV Rewa-Road.

XVI. Tripping of lines in pooling stations :

XVII. Complete generation loss in a generating station :