

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिस्ट की पूर्ण व्यापक प्रास सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO1188682

Power Supply Position in Northern Region for 28.09.2015

Date of Reporting : 29.09.2015

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
42911	2877	45787	50.04	36589	2203	38793	50.09	936.7	72.66

* 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	40.77	13.32		54.09	82.16	82.62	0.46	136.71	0.00	
Haryana	20.17	0.75		20.92	124.67	124.55	-0.12	145.47	0.00	
Rajasthan	129.70	0.00	7.51	137.20	55.72	56.48	0.76	193.69	0.21	
Delhi	14.99			14.99	77.45	76.89	-0.56	91.88	0.04	
UP	135.59	14.10		149.69	116.21	117.85	1.64	267.54	61.08	
Uttarakhand		18.30		18.30	12.73	16.01	3.29	34.32	2.26	
HP		14.54		14.54	9.76	10.63	0.87	25.17	0.00	
J & K		15.48	0.00	15.48	20.49	21.84	1.35	37.32	9.07	
Chandigarh				0.00	4.81	4.63	0.27	4.63	0.00	
Total	341.22	76.49	7.51	425.21	504.00	511.50	7.96	936.71	72.66	

* 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:Export: (-ve))
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction		
Punjab	6424	0	-74	438	4898	0	58	561	6555	
Haryana	7358	0	-93	1896	4705	0	-8	1549	7358	
Rajasthan	8487	0	184	110	7920	0	98	277	8596	
Delhi	4201	10	13	403	3662	0	-22	388	4366	
UP	11377	2120	48	194	11816	1970	56	392	12131	
Uttarakhand	1621	260	197	-124	1290	0	183	-49	1674	
HP	1269	0	15	-831	826	0	108	-460	1269	
J&K	1948	487	10	-203	1322	233	57	-412	1948	
Chandigarh	225	0	-15	0	151	0	-6	0	233	
Total	42911	2877	286	1882	36589	2203	524	2245	42911	

* STOA figures are at sellers boundary & PX figures are at regional boundary.

figures may not be at simultaneous hour.

Diversity is 1.03

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	1657	1555	2027	40.52	1688	39.73	0.79	
Rihand I STPS (2*500)	1000	850	850	930	20.42	851	20.36	0.06	
Rihand II STPS (2*500)	1000	943	1024	1010	23.00	958	22.43	0.58	
Rihand III STPS (2*500)	1000	480	515	507	11.41	476	11.40	0.01	
Dadri I STPS (4*210)	840	800	415	310	8.00	333	8.32	-0.32	
Dadri II STPS (2*490)	980	970	986	693	18.71	780	19.91	-1.20	
Unchahar I TPS (2*210)	420	200	218	162	4.37	182	4.70	-0.33	
Unchahar II TPS (2*210)	420	303	218	346	6.18	257	6.62	-0.44	
Unchahar III TPS (1*220)	210	200	218	156	4.28	178	4.48	-0.20	
ISTPP (Jhajjar) (3*500)	1500	1436	978	628	16.70	696	17.11	-0.41	
Dadri GPS (4*130.19+2*154.51)	830	800	373	261	7.21	300	7.55	-0.34	
Anta GPS (3*88.71+1*153.2)	419	397	247	186	4.94	206	5.34	-0.39	
Auraiya GPS (4*111.19+2*109.30)	663	632	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	-0.03	
Singrauli Solar	15	3	0	0	0.06	2	0.08	-0.02	
KHEP	800	845	810	0	6.23	260	6.09	0.14	
Sub Total (A)	12112	10520	8483	7216	172	7171	174	-2	
B. NPC									
NAPS (2*220)	440	140	0	0	-0.41	-17	3.35	-3.76	
RAPS- B (2*220)	440	190	212	212	4.44	185	4.56	-0.12	
RAPS- C (2*220)	440	400	434	435	9.35	389	9.60	-0.25	
Sub Total (B)	1320	730	646	647	13.38	557	17.51	-4.13	
C. NHPC									
Chamera I HPS (3*180)	540	534	537	360	11.74	489	11.50	0.24	
Chamera II HPS (3*100)	300	300	300	0	3.92	163	3.92	0.00	
Chamera III HPS (3*77)	231	229	229	0	2.57	107	2.46	0.11	
Bairasuli HPS(3*60)	180	129	122	61	1.76	73	1.64	0.12	
Saikal-HPS (6*115)	690	355	560	313	9.20	383	8.58	0.62	
Tanakpur-HPS (3*40)	94	67	70	73	1.76	73	1.61	0.15	
Uri-I HPS (4*120)	480	460	476	468	11.27	470	11.03	0.24	
Uri-II HPS (4*60)	240	228	235	237	5.62	234	5.48	0.15	
Dhauliganga-HPS (4*70)	280	280	275	140	3.14	131	2.95	0.19	
Dulhasti-HPS (3*130)	390	386	398	399	9.39	391	9.26	0.13	
Sewa-II HPS (3*40)	120	118	130	130	2.99	125	2.82	0.17	
Parbati 3 (4*130)	520	260	132	0	1.26	52	1.20	0.06	
Sub Total (C)	4065	3345	3464	2180	65	2692	62	2	
D.SJVNL									
NJPC (6*250)	1500	1605	1566	250	20.06	836	19.80	0.25	
Rampur HEP (6*68.67)	412	432	447	73	5.72	238	5.51	0.21	
Sub Total (D)	1912	2037	2013	323	25.77	1074	25.31	0.46	
E. THDC									
Tehri HPS (4*250)	1000	1080	998	0	7.08	295	7.00	0.08	
Koteshwar HPS (4*100)	400	92	102	92	2.23	93	2.20	0.03	
Sub Total (E)	1400	1172	1100	92	9.32	388	9.20	0.12	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	661	1044	494	16.07	669	15.86	0.21	
Dehar HPS (6*165)	990	421	660	330	10.21	426	10.10	0.12	
Pong HPS (6*66)	396	194	318	66	4.76	198	4.65	0.11	
Sub Total (F)	2765	1275	2022	890	31.04	1293	30.60	0.44	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	105	105	1.92	80	1.86	0.07	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1000	400	11.16	465	11.05	0.11	
Malana Stg-II HPS (2*50)	100	0	100	15	0.66	28	0.66	0.00	
Shree Cement TPS (2*150)	300	0	293	299	7.04	293	7.06	-0.03	
Budhil HPS(IPP) (2*35)	70	0	75	0	0.62	26	0.72	-0.10	
Sub Total (G)	1662	0	1573	819	21.40	892	21.35	0.05	
H. Total Regional Entities (A-G)	25237	19079	19301	12167	337.63	14068	340.63	-3.00	

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	0	170	3.83	160
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	120	90	1.99	83
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	427	367	8.82	368
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1381	708	26.12	1089
	Talwandi Saboo (1*660)	660	0	0	0.00	0
	Thermal (Total)	4700	1928	1335	40.77	1699
Total Hydro	1000	627	418	13.32	555	
Total Punjab	5700	2555	1753	54.09	2254	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	555	453	12.16	507
	Faridabad GPS (NTPC)	432	382	320	8.01	334
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	0.00	0
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	4944	937	773	20.17	841
	Total Hydro	62	31	33	0.75	31
	Total Haryana	5006	968	806	20.92	872
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	679	857	19.49
suratgarh TPS (6*250)		1500	652	556	14.01	584
Chabra TPS (4*250)		1000	636	575	14.14	589
Dholpur GPS (3*110)		330	83	88	2.05	85
Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)		271	169	169	4.22	176
RAPS A (NPC) (1*100+1*200)		300	173	174	4.30	179
Barsingar (NLC) (2*125)		250	166	165	3.83	160
Giral LTPS (2*125)		250	43	43	1.25	52
Rajwest LTPS (IPP) (8*135)		1080	844	845	19.93	831
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	853	737	18.96	790
Kawai(Adani) (2*660)		1320	1210	1000	27.52	1147
Thermal (Total)		8876	5508	5209	130	5404
Total Hydro		550	0	0	0.00	0
Wind power		3214	43	357	4.05	169
Biomass		99	21	21	0.51	21
Solar		730	0	0	2.95	123
Renewable/Others (Total)		4043	64	378	7.51	313
Total Rajasthan		13469	5572	5587	137.20	5717
UP		Anpara TPS (3*210+2*500)	1630	1209	1287	30.90
	Obra TPS (2*50+2*94+5*200)	1194	441	460	10.60	442
	Paricha TPS (2*110+2*220+2*250)	1140	345	442	9.20	383
	Panki TPS (2*105)	210	63	54	1.30	54
	Haridwar TPS (1*60+1*105+2*250)	665	544	530	12.80	533
	Tanda TPS (NTPC) (4*110)	440	275	272	6.69	279
	Roza TPS (IPP) (4*300)	1200	1094	1080	26.20	1092
	Anpara-C (IPP) (2*600)	1200	1085	1081	25.90	1079
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	365	363	8.40	350
	Anpara-D(1*500)	500	0	358	2.40	100
	Lalitpur TPS(1*660)	660	0	0	0.00	0
	Thermal (Total)	9289	5421	5927	134	5600
	Vishnuparyag HPS (IPP)(4*110)	440	321	335	7.70	321
	Alakanada(4*82.5)	330	171	198	4.50	188
	Other Hydro	527	71	45	1.90	79
	Cogeneration	981	50	50	1.20	50
	Total UP	11567	6034	6555	150	6237
Uttarakhand	Total Hydro	1398	816	726	18.30	763
	Total Uttarakhand	1398	816	726	18.30	763
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	33	33	0.86	36
	Pragati Gas Turbine (2x104+ 1x122)	330	148	150	3.59	150
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	235	249	5.89	245
	Badarpur TPS (NTPC) (3*95+2*210)	705	223	189	4.66	194
	Thermal (Total)	2917	639	621	14.99	625
	Total Delhi	2917	639	621	14.99	625
HP	Baspa HPS (IPP) (3*100)	300	90	161	3.63	151
	Malana HPS (IPP) (2*43)	86	44	16	0.73	31
	Other Hydro	878	430	432	10.17	424
	Total HP	1264	564	609	14.54	606
J & K	Baglihar HPS (IPP) (3*150)	450	526	586	13.40	559
	Other Hydro/IPP	560	137	111	2.08	87
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	663	697	15.48	645
Total State Control Area Generation		42521	17811	17354	425.21	17717
J. Net Inter Regional Exchange (Import +ve)/Export (-ve)]			7441	7754	192.39	8016
Total Regional Availability(Gross)		67758	44553	37275	955.22	39801

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10614	4005	150.72	6280
State Control Area Hydro	6581	3264	3061	76	3187
Total Regional Hydro	18815	13878	7066	227.21	9467

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)	2567	2621	3023	0	62.67	0.00	62.67	0.00	62.67
400 KV Zerda-Kankrol	-33	-3	87	119	0.00	0.81	-0.81	0.00	-0.81
400 KV Zerda-Bhinmal	2	14	112	78	0.16	0.00	0.16	0.00	0.16
220 KV Auraiya-Malanpur	-2	-7	0	39	0.00	0.01	-0.01	0.00	-0.01
220 KV Badoh-Kota/Morak	17	15	36	17	0.07	0.00	0.07	0.00	0.07
Mundra-Mohindergarh(HVDC Bipole)	2507	2001	2514	0	54.15	0.00	54.15	0.00	54.15
400 KV Vindhychal - Rihand	509	494	509	0	11.96	0.00	11.96	0.00	11.96
765 kV Phagi-Gwalior (D/C)	783	963	1124	0	21.66	0.00	21.66	0.00	21.66
Sub Total WR	6350	6098			150.68	0.82	149.85		
Pusaali Bypass/HVDC	450	450	450	0	9.71	0.00	9.71	0.00	9.71
400 KV MZP- GKP (D/C)	105	412	596	0	9.64	0.00	9.64	0.00	9.64
400 KV Patna-Balia(D/C) X 2	245	181	429	0	6.70	0.00	6.70	0.00	6.70
400 KV B'Shanif-Balia (D/C)	20	34	279	0	2.71	0.00	2.71	0.00	2.71
765 KV Gaya-Balia	57	-19	189	61	0.77	0.00	0.77	0.00	0.77
765 KV Gaya-Fatehpur	102	264	381	0	5.41	0.00	5.41	0.00	5.41
220 KV Pusaali-Sahupuri	0	0	0	0	0.00	0.00	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.48	0.48	0.48	0.48
132 KV Son Ngr-Rihand	-30	-34	0	36	0.00	0.65	-0.65	0.00	-0.65
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-70	106	228	90	1.90	0.00	1.90	0.00	1.90
400 KV Barh -GKP (D/C)	212	262	310	0	5.86	0.00	5.86	0.00	5.86
Sub Total ER	1091	1656			43.67	1.13	42.53		
+/- 800 KV BiswanathChariali-Agra	0	0	0	0	0	0	0	0	0
Sub Total NEH	0	0			0	0	0		
Total IR Exch	7441	7754			194.34	1.96	192.39		

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
33.39	3.84	37.23	17.08	5.54	2.61	13.10	0.53	-0.53	
Total IR Schedule (MU)									
Through ER	Through WR Incids Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total	
57.45	120.70	178.14	42.53	149.85	192.39	-14.92	29.16	14.24	

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	0.21	3.47	22.29	71.04	71.53	4.91	0.93	0.35	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)
50.23	7.05	49.61	18.27	49.95	0.085	0.079	50.18	49.86

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	401	21:54	394	00:36	0.0	0.0	0.0	0.0
Gorakhpur	400	411	07:21	396	23:38	0.0	0.0	0.0	0.0
Bareilly	400	407	04:01	391	11:41	0.0	0.0	0.0	0.0
Kanpur	400	412	04:02	397	18:40	0.0	0.0	0.0	0.0
Dadri	400	416	04:01	396	11:39	0.1	0.1	0.0	0.0
Ballabgarh	400	422	04:00	400	11:37	0.0	0.0	1.5	0.0
Bawana	400	423	04:01	400	11:37	0.0	0.0	3.8	0.0
Bassi	400	423	04:01	400	11:39	0.0	0.0	1.1	0.0
Hissar	400	421	04:02	394	11:38	0.0	0.0	0.1	0.0
Moga	400	422	04:01	398	11:11	0.0	0.0	2.2	0.0
Abdullapur	400	428	04:02	395	14:38	0.0	0.0	13.9	0.0
Nalagarh	400	431	03:32	403	11:40	0.0	0.0	17.0	0.1
Kishenpur	400	424	04:02	402	19:27	0.0	0.0	11.1	0.0
Wagoora	400	413	03:30	395	19:27	0.0	8.0	0.0	0.0
Amritsar	400	426	04:02	401	18:45	0.0	0.0	12.5	0.0
Kashipur	400	415	17:59	406	11:28	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	404	23:53	383	11:25	0.0	4.9	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	763	04:02	737	11:41	0.0	7.8	0.0	0.0
Balia	765	762	07:25	740	11:42	0.0	1.8	0.0	0.0
Moga	765	803	04:01	759	11:40	0.0	0.0	1.7	0.0
Agra	765	785	04:01	750	11:41	0.0	0.0	0.0	0.0
Bhiwani	765	790	17:58	762	11:38	0.0	0.0	0.0	0.0
Unnao	765	750	17:32	728	11:40	0.0	58.7	0.0	0.0
Lucknow	765	762	16:05	738	11:40	0.0	3.1	0.0	0.0
Meerut	765	806	04:01	761	11:41	0.0	0.0	4.8	0.0
Jhatikara	765	802	04:01	761	18:52	0.0	0.0	1.0	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	789	04:02	755	12:25	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	511.80	1635.65	510.78	1590.18	402.78	441.35
Pong	426.72	384.05	421.19	946.20	416.55	743.22	192.64	268.47
Tehri	829.79	740.04	822.75	1060.35	823.55	1077.00	164.37	156.00
Koteshwar	612.50	598.50	610.58	4.69	609.12	4.15	156.00	147.19
Chamera-I	760.00	748.75	755.04	0.00	0.00	0.00	195.70	317.97
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	514.39	5.71	515.39	3.69	347.83	223.86

* 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	285	275	0	283	154	0	6.85	5.53	12.38
Delhi	98	292	-2	357	45	0	6.05	5.03	11.08
Haryana	1692	-143	0	1692	204	0	40.93	-0.86	40.07
HP	-439	-21	0	-449	-382	0	-9.83	-3.63	-13.47
J&K	-412	0	0	-412	209	0	-9.89	3.67	-6.22
CHD	0	0	0	0	0	0	0.00	0.13	0.13
Rajasthan	-259	534	2	-397	507	0	-6.90	11.25	4.35
UP	392	0	0	194	0	0	5.27	0.00	5.27
Uttarakhand	-192	142	0	-200	76	0	-4.58	3.47	-1.11
Total	1166	1079	0	1069	813	0	27.89	24.59	52.48

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	285	283	280	152	0	0
Delhi	424	98	470	-62	0	-2
Haryana	1741	1691	225	-584	0	0
HP	-388	-449	-11	-484	0	0
J&K	-412	-412	259	-15	0	0
CHD	0	0	49	-20	0	0
Rajasthan	-259	-398	549	37	2	0
UP	400	91	0	0	0	0
Uttarakhand	-178	-200	337	5	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 28.09.2015 :
Normal.

XIV. Synchronisation of new generating units :

XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :
765/21 kV GT synchronised first time at Bara at 1445 hrs. dated 28/09/15.

XVI. Tripping of lines in pooling stations :

XVII. Complete generation loss in a generating station :