

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिस्ट की पूर्ण व्यापकित प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 12.10.2015

Date of Reporting : 13.10.2015

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
43927	2231	46158	50.09	37976	2792	40768	50.13	956.4	40.54

* 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	72.08	10.87		82.95	62.21	62.14	-0.07	145.08	0.00	
Haryana	61.18	0.55		61.73	88.54	88.13	-0.41	149.86	0.01	
Rajasthan	121.07	3.14	17.17	141.37	58.49	58.38	-0.10	199.75	0.00	
Delhi	15.75			15.75	76.22	75.33	-0.89	91.08	0.18	
UP	134.88	10.70		145.58	122.33	123.84	1.51	269.42	31.44	
Uttarakhand		16.32		16.32	16.61	18.05	1.44	34.37	0.00	
HP		9.98		9.98	14.08	15.04	0.97	25.02	0.11	
J & K		9.19	0.00	9.19	25.92	28.03	2.11	37.22	8.79	
Chandigarh				0.00	4.56	4.64	0.27	4.64	0.00	
Total	404.94	60.75	17.17	482.86	468.94	473.58	4.82	956.44	40.54	

* 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	6510	0	-41	-36	5443	0	-39	-65	6510	
Haryana	7457	0	7	234	5239	0	4	210	7457	
Rajasthan	8533	0	-349	261	8553	0	225	523	9145	
Delhi	4295	0	-21	290	3495	0	82	49	4295	
UP	12092	1745	-59	238	11710	2555	-2	505	12235	
Uttarakhand	1658	0	-42	168	1254	0	85	149	1777	
HP	1211	0	16	-539	793	0	4	16	1304	
J&K	1943	486	174	40	1344	237	54	90	1943	
Chandigarh	228	0	-8	0	145	0	18	0	236	
Total	43927	2231	-324	656	37976	2792	431	1477	43927	

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

figures may not be at simultaneous hour.

Diversity is 1.02

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	1847	1984	2049	44.73	1864	44.32	0.41	
Rihand I STPS (2*500)	1000	880	980	936	21.00	875	21.00	-0.01	
Rihand II STPS (2*500)	1000	943	909	973	22.75	948	22.48	0.27	
Rihand III STPS (2*500)	1000	480	468	461	11.47	478	11.49	-0.02	
Dadri I STPS (4*210)	840	800	585	414	12.30	513	12.58	-0.28	
Dadri II STPS (2*490)	980	970	913	836	20.21	842	21.10	-0.89	
Unchahar I TPS (2*210)	420	200	200	173	4.38	182	4.74	-0.36	
Unchahar II TPS (2*210)	420	400	389	320	8.70	363	9.43	-0.72	
Unchahar III TPS (1*220)	210	200	203	168	4.37	182	4.71	-0.34	
ISTPP (Jhajjar) (3*500)	1500	1436	999	658	18.79	783	19.43	-0.64	
Dadri GPS (4*130.19+2*154.51)	830	670	379	296	8.32	347	8.49	-0.18	
Anta GPS (3*88.71+1*153.2)	419	407	-1	-1	0.00	0	0.00	0.00	
Auraiya GPS (4*111.19+2*109.30)	663	527	267	243	6.06	252	6.10	-0.04	
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	0.00	0	0.08	-0.07	
KHEP	800	845	838	0	4.93	205	4.50	0.43	
Sub Total (A)	12112	10611	9081	7526	188	7836	191	-2	
B. NPC									
NAPS (2*220)	440	213	408	212	5.52	230	5.11	0.42	
RAPS- B (2*220)	440	435	398	442	9.52	397	9.55	-0.03	
RAPS- C (2*220)	440	206	229	231	4.80	200	4.94	-0.15	
Sub Total (B)	1320	817	1072	885	19.84	827	19.60	0.24	
C. NHPC									
Chamera I HPS (3*180)	540	540	545	0	3.94	164	3.80	0.14	
Chamera II HPS (3*100)	300	300	304	0	2.94	122	2.83	0.11	
Chamera III HPS (3*77)	231	229	228	0	2.06	86	1.89	0.16	
Bairasuli HPS(3*60)	180	179	179	0	0.98	41	0.93	0.05	
Saikal-HPS (6*115)	690	204	450	205	5.75	240	4.94	0.81	
Tanakpur-HPS (3*40)	94	55	52	57	1.44	60	1.33	0.12	
Uri-I HPS (4*120)	480	241	227	228	6.43	268	5.78	0.65	
Uri-II HPS (4*60)	240	143	196	133	3.67	153	3.43	0.24	
Dhauliganga-HPS (4*70)	280	280	275	68	2.44	102	2.14	0.29	
Dulhasti-HPS (3*130)	390	257	268	256	6.27	261	6.17	0.10	
Sewa-II HPS (3*40)	120	119	130	0	0.98	41	0.70	0.28	
Parbati 3 (4*130)	520	282	131	0	0.81	34	0.85	-0.04	
Sub Total (C)	4065	2830	2986	947	38	1571	35	3	
D.SJVNL									
NJPC (6*250)	1500	1605	1317	155	15.14	631	14.84	0.30	
Rampur HEP (6*68.67)	412	285	372	0	3.92	163	3.67	0.25	
Sub Total (D)	1912	1890	1689	155	19.05	794	18.51	0.55	
E. THDC									
Tehri HPS (4*250)	1000	1080	910	0	8.90	371	8.71	0.18	
Koteshwar HPS (4*100)	400	121	101	91	2.94	122	2.90	0.04	
Sub Total (E)	1400	1201	1011	91	11.84	493	11.61	0.22	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	660	1042	525	15.92	663	15.85	0.06	
Dehar HPS (6*165)	990	296	660	165	7.16	298	7.11	0.05	
Pong HPS (6*66)	396	238	384	132	5.76	240	5.71	0.05	
Sub Total (F)	2765	1195	2086	822	28.83	1201	28.67	0.16	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	95	61	1.22	51	1.18	0.04	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	750	450	8.43	351	8.41	0.01	
Malana Stg-II HPS (2*50)	100	0	105	25	0.62	26	0.59	0.03	
Shree Cement TPS (2*150)	300	0	148	287	5.00	208	6.96	-1.97	
Budhil HPS(IPP) (2*35)	70	0	50	0	0.56	24	0.56	0.00	
Sub Total (G)	1662	0	1148	823	15.82	659	17.70	-1.87	
H. Total Regional Entities (A-G)	25237	18544	19072	11249	321.14	13381	321.41	-0.27	

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	930	880	20.86	869	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	200	205	4.56	190	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	798	782	18.66	778	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	1069	1096	28.00	1167	
	Talwandi Saboo (1*660)	660	0	0	0.00	0	
	Thermal (Total)	4700	2997	2963	72.08	3003	
	Total Hydro	1000	463	408	10.87	453	
Total Punjab	5700	3460	3371	82.95	3456		
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	658	626	15.07	628	
	DCRTPP (Yamuna nagar) (2*300)	600	558	463	12.69	529	
	Faridabad GPS (NTPC)	432	174	183	4.10	171	
	RGTTP (khedar) (IPP) (2*600)	1200	582	389	12.96	540	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar(CLP) (2*660)	1320	946	383	16.36	682	
	Thermal (Total)	4944	2918	2044	61.18	2549	
	Total Hydro	62	19	20	0.55	23	
	Total Haryana	5006	2937	2064	61.73	2572	
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	881	868	20.54	856
		suratgarh TPS (6*250)	1500	1	569	10.39	433
Chabra TPS (4*250)		1000	239	400	9.19	383	
Dholpur GPS (3*110)		330	90	0	0.39	16	
Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)		271	202	196	4.88	203	
RAPS A (NPC) (1*100+1*200)		300	159	162	3.95	165	
Barsingsar (NLC) (2*125)		250	96	95	2.19	91	
Giral LTPS (2*125)		250	95	86	1.87	78	
Rajwest LTPS (IPP) (8*135)		1080	801	719	17.32	721	
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0	
Kalisindh Thermal(2*600)		1200	1113	934	22.55	939	
Kawati(Adani) (2*660)		1320	1187	1130	27.80	1159	
Thermal (Total)		8876	4864	5159	121	5044	
Total Hydro		550	196	123	3.14	131	
Wind power		3214	534	964	13.46	561	
Biomass		99	19	19	0.45	19	
Solar		730	0	0	3.26	136	
Renewable/Others (Total)		4043	553	983	17.17	715	
Total Rajasthan		13469	5613	6265	141.37	5890	
UP		Anpara TPS (3*210+2*500)	1630	1342	1351	32.10	1338
		Obra TPS (2*50+2*94+5*200)	1194	457	455	10.70	446
		Paricha TPS (2*110+2*220+2*250)	1140	625	645	15.40	642
		Panki TPS (2*105)	210	50	63	1.40	58
	Haridwar TPS (1*60+1*105+2*250)	665	299	303	7.30	304	
	Tanda TPS (NTPC) (4*110)	440	368	370	8.98	374	
	Roza TPS (IPP) (4*300)	1200	1080	1058	25.80	1075	
	Anpara-C (IPP) (2*600)	1200	540	540	13.60	567	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	365	363	7.70	321	
	Anpara-D(1*500)	500	0	0	0.00	0	
	Lalitpur TPS(1*660)	660	392	391	9.50	396	
	Thermal (Total)	9289	5518	5539	132	5520	
	Vishnuparyag HPS (IPP)(4*110)	440	276	251	6.10	254	
	Alakanada(4*82.5)	330	134	132	3.20	133	
	Other Hydro	527	52	236	1.40	58	
	Cogeneration	981	100	100	2.40	100	
	Total UP	11567	6080	6258	146	6066	
	Uttarakhand	Total Hydro	1398	747	647	16.32	680
Total Uttarakhand		1398	747	647	16.32	680	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1	
	Delhi Gas Turbine (6x30 + 3x34)	282	34	33	0.89	37	
	Pragati Gas Turbine (2x104+ 1x122)	330	148	144	3.27	136	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	260	277	6.11	255	
	Badarpur TPS (NTPC) (3*95+2*210)	705	177	185	5.50	229	
	Thermal (Total)	2917	619	639	15.75	656	
	Total Delhi	2917	619	639	15.75	656	
HP	Baspa HPS (IPP) (3*100)	300	31	102	2.67	111	
	Malana HPS (IPP) (2*43)	86	81	45	0.63	26	
	Other Hydro	878	296	254	6.68	278	
	Total HP	1264	408	401	9.98	416	
J & K	Baglihar HPS (IPP) (3*150)	450	300	300	7.20	300	
	Other Hydro/IPP	560	91	75	1.99	83	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	391	375	9.19	383	
Total State Control Area Generation		42521	20255	20020	482.86	20119	
J. Net Inter Regional Exchange (Import +ve)/Export (-ve)]			6194	7862	168.17	7007	
Total Regional Availability(Gross)		67758	45521	39131	972.17	40507	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9559	2551	112.61	4692
State Control Area Hydro	6581	2686	2593	61	2531
Total Regional Hydro	18815	12245	5144	173.36	7223

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	
Vindhychal(HVDC B/B)	-150	-150	50	150	0.06	2.63	-2.56
765 KV Gwalior-Agra (D/C)	2669	3121	3730	0	58.26	0.00	58.26
400 KV Zerda-Kankrol	-35	-53	25	179	0.00	1.57	-1.57
400 KV Zerda-Bhinmal	-45	-14	141	216	0.00	0.67	-0.67
220 KV Auraiya-Malanpur	-63	-66	0	122	0.00	1.38	-1.38
220 KV Badoh-Kota/Morak	-16	-21	25	99	0.00	0.93	-0.93
Mundra-Mohindergarh(HVDC Bipole)	2502	2499	2511	0	60.43	0.00	60.43
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	686	1054	1189	0	23.67	0.00	23.67
Sub Total WR	5548	6370			142.42	7.18	135.24
Pusaali Bypass/HVDC	400	400	400	0	8.95	0.00	8.95
400 KV MZP- GKP (D/C)	-22	336	342	50	5.29	0.00	5.29
400 KV Patna-Balia(D/C) X 2	135	248	317	0	5.85	0.00	5.85
400 KV B'Shanif-Balia (D/C)	-79	93	112	104	0.94	0.00	0.94
765 KV Gaya-Balia	24	120	120	36	0.81	0.00	0.81
765 KV Gaya-Fatehpur	-15	76	273	15	3.49	0.00	3.49
220 KV Pusaali-Sahupuri	197	140	197	0	3.47	0.00	3.47
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-23	0	30	0.00	0.61	-0.61
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-212	-84	92	212	0.00	0.71	-0.71
400 KV Barh -GKP (D/C)	244	186	288	0	5.46	0.00	5.46
Sub Total ER	646	1492			34.25	1.32	32.93
+/- 800 KV BiswanathChariali-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total NER	0	0			0.00	0.00	0.00
Total IR Exch	6194	7862			176.67	8.50	168.17

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
40.60	2.32	42.93	4.09	0.13	5.29	10.36	1.71	-1.71
Total IR Schedule (MU)								
Through ER	Through WR Incids Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
54.02	106.63	160.65	32.93	135.24	168.17	-21.10	28.61	7.52

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	
132 KV Tanakpur - Mahendarnagar	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	0.39	4.31	17.72	66.03	70.38	8.59	3.29	0.05	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)
50.21	16.01	49.63	23.20	49.96	0.080	0.082	50.17	49.87

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	08:03	400	18:30	0.0	0.0	0.0	0.0
Gorakhpur	400	421	08:04	401	18:26	0.0	0.0	0.0	0.0
Bareilly	400	410	03:00	386	15:03	0.0	0.0	0.0	0.0
Kanpur	400	411	21:52	400	18:35	0.0	0.0	0.0	0.0
Dadri	400	417	02:58	398	18:26	0.0	0.0	0.0	0.0
Ballabhgarh	400	424	21:55	400	18:30	0.0	0.0	7.1	0.0
Bawana	400	418	02:52	399	18:16	0.0	0.0	0.0	0.0
Bassi	400	424	21:48	399	18:29	0.0	0.0	1.9	0.0
Hissar	400	416	02:58	397	18:16	0.0	0.0	0.0	0.0
Moga	400	421	02:33	402	18:16	0.0	0.0	0.9	0.0
Abdullapur	400	423	02:57	399	18:35	0.0	0.0	8.3	0.0
Nalagarh	400	430	02:14	406	18:17	0.0	0.0	30.1	0.0
Kishenpur	400	428	02:32	400	18:39	0.0	0.0	19.0	0.0
Wagoora	400	418	02:58	377	18:56	5.2	13.0	0.0	0.0
Amritsar	400	427	02:58	405	18:34	0.0	0.0	19.4	0.0
Kashipur	400	416	21:57	408	18:26	0.0	0.0	0.0	0.0
Hamirpur	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Rishikesh	400	402	21:48	385	18:30	0.0	15.8	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	774	21:57	742	18:34	0.0	0.0	0.0	0.0
Balia	765	773	07:59	742	18:30	0.0	0.0	0.0	0.0
Moga	765	800	02:58	764	18:30	0.0	0.0	0.0	0.0
Agra	765	790	21:55	753	14:48	0.0	0.0	0.0	0.0
Bhiwani	765	797	02:59	765	18:17	0.0	0.0	0.0	0.0
Unnao	765	764	08:04	734	18:30	0.0	5.9	0.0	0.0
Lucknow	765	774	08:01	741	18:34	0.0	0.1	0.0	0.0
Meerut	765	803	02:58	767	18:23	0.0	0.0	1.8	0.0
Jhatikara	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Bareilly	765	770	21:57	741	18:34	0.0	0.2	0.0	0.0
Anta	765	768	00:00	768	00:00	0.0	0.0	0.0	0.0
Phagi	765	788	21:49	759	12:28	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	510.51	1575.10	509.04	1500.16	316.87	449.13
Pong	426.72	384.05	420.05	889.22	415.80	705.67	97.44	332.50
Tehri	829.79	740.04	820.40	1010.70	824.60	1099.50	100.52	199.00
Koteshwar	612.50	598.50	610.98	4.95	609.06	4.21	199.00	193.57
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	107.67	106.79
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	513.46	3.31	511.75	3.67	125.74	138.34

* 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	-91	26	0	-95	60	0	-1.96	1.27	-0.69
Delhi	-95	146	-2	4	288	-2	-0.83	7.09	6.26
Haryana	38	173	0	38	196	0	0.90	5.38	6.28
HP	-50	66	0	-50	-489	0	-1.21	-2.40	-3.61
J&K	-9	99	0	-9	50	0	-0.23	1.67	1.44
CHD	0	0	0	0	0	0	0.00	0.17	0.17
Rajasthan	-5	526	2	25	234	2	1.87	9.23	11.10
UP	209	296	0	238	0	0	5.51	1.22	6.73
Uttarakhand	147	1	0	147	20	0	3.54	0.62	4.16
Total	144	1333	0	297	359	0	7.59	24.26	31.85

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-71	-95	143	26	0	0
Delhi	34	-95	631	-42	0	-2
Haryana	38	38	521	171	0	0
HP	-50	-50	142	-565	0	0
J&K	-9	-9	149	-75	0	0
CHD	0	0	59	0	0	0
Rajasthan	190	-5	931	-255	2	2
UP	286	129	296	0	0	0
Uttarakhand	147	147	170	-100	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 12.10.2015 :
Normal.

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 :