

पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(सार्वजनिक की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 09.11.2015
Date of Reporting : 10.11.2015

I. Regional Availability/Demand:

Demand Met	Evening Peak (19:00 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
39949	613	40563	0.00	28359	1416	29775	0.00	822.1	22.19

* 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)
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	31.99	11.33		43.32	48.68	48.83	0.15	92.15	0.00
Haryana	44.90	0.49		45.39	64.52	65.25	0.73	110.64	0.00
Rajasthan	110.60	4.33	17.81	132.74	74.37	77.94	3.56	210.67	0.29
Delhi	10.39			10.39	50.94	52.51	1.57	62.90	0.02
UP	120.41	6.80		127.21	117.63	116.83	-0.80	244.03	11.60
Uttarakhand		8.95		8.95	22.18	24.72	2.55	33.67	0.58
HP		6.02		6.02	16.81	17.86	1.06	23.89	0.09
J & K		9.90	0.00	9.90	30.07	30.84	0.77	40.74	9.62
Chandigarh				0.00	3.42	3.43	0.27	3.43	0.00
Total	318.28	47.82	17.81	383.91	428.61	438.22	9.86	822.12	22.19

* 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 (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				# Max(hourly) Demand Met of Day (MW)
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	
Punjab	4083	0	101	-956	2953	0	-50	-421	4617
Haryana	6399	0	33	-219	3340	0	54	-209	6399
Rajasthan	8969	0	-164	304	8253	0	127	612	9960
Delhi	3267	0	70	-160	1763	0	34	-701	3280
UP	12285	80	-38	548	8602	1150	64	98	12502
Uttarakhand	1719	75	131	195	1128	0	153	213	1719
HP	1211	0	83	-285	721	0	29	228	1298
J&K	1834	458	0	145	1505	266	35	246	1962
Chandigarh	183	0	9	-60	93	0	-2	-30	184
Total	39949	613	225	-490	28359	1416	445	37	39949

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

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III. Regional Entities :

A. NTPC	Station/Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
				(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
	Singrauli STPS (5*200+2*500)	2000	1900	2066	1889	45.29	1887	44.96	0.32
	Rihand I STPS (2*500)	1000	856	918	856	19.52	814	19.46	0.07
	Rihand II STPS (2*500)	1000	941	1009	695	20.70	862	20.68	0.01
	Rihand III STPS (2*500)	1000	854	910	737	19.26	802	19.36	-0.10
	Dadri I STPS (4*210)	840	810	186	143	3.85	161	4.03	-0.18
	Dadri II STPS (2*490)	980	980	489	346	9.68	403	10.43	-0.75
	Unchahar I TPS (2*210)	420	406	371	282	7.85	327	8.62	-0.78
	Unchahar II TPS (2*210)	420	404	345	286	7.53	314	8.23	-0.70
	Unchahar III TPS (1*220)	210	202	167	137	3.78	157	4.19	-0.41
	ISTPP (Jhajjar) (3*500)	1500	1497	648	641	15.34	639	15.77	-0.43
	Dadri GPS (4*130.19+2*154.51)	830	690	279	297	6.94	289	7.50	-0.57
	Anta GPS (3*88.71+1*153.2)	419	415	172	168	4.28	178	4.56	-0.29
	Auraiya GPS (4*111.19+2*109.30)	663	652	202	201	4.85	202	4.90	-0.04
	Dadri Solar	5	0	0	0	0.01	1	0.01	0.00
	Unchahar Solar	10	1	0	0	0.02	1	0.03	-0.01
	Singrauli Solar	15	1	0	0	0.01	0	0.03	-0.02
	KHEP	800	808	650	0	3.20	133	3.20	0.00
	Sub Total (A)	12112	11417	8412	6478	172	7171	176	-4
B. NPC	NAPS (2*220)	440	400	436	438	9.60	400	9.60	0.00
	RAPS- B (2*220)	440	394	436	440	9.43	393	9.46	-0.03
	RAPS- C (2*220)	440	410	451	452	9.71	405	9.84	-0.13
	Sub Total (B)	1320	1204	1323	1330	28.74	1197	28.90	-0.16
C. NHPC	Chamera I HPS (3*180)	540	540	549	0	1.76	73	1.62	0.14
	Chamera II HPS (3*100)	300	200	103	0	1.84	77	1.78	0.06
	Chamera III HPS (3*77)	231	229	225	0	1.13	47	1.00	0.13
	Bairasuli HPS(3*60)	180	179	173	0	0.87	36	0.78	0.09
	Salal-HPS (6*115)	690	228	445	240	6.23	259	5.46	0.77
	Tanakpur-HPS (3*40)	94	32	33	31	0.84	35	0.76	0.08
	Uri-I HPS (4*120)	480	454	476	468	11.13	464	10.91	0.22
	Uri-II HPS (4*60)	240	238	241	242	5.75	240	5.72	0.03
	Dhauliganga-HPS (4*70)	280	280	154	0	1.36	56	1.22	0.13
	Dulhasti-HPS (3*130)	390	387	392	0	3.98	166	4.00	-0.02
	Sewa-II HPS (3*40)	120	119	125	0	0.87	36	0.80	0.07
	Parbati 3 (4*130)	520	69	132	0	0.81	34	0.81	-0.01
	Sub Total (C)	4065	2955	3047	981	37	1523	35	2
D.SJVNL	NJPC (6*250)	1500	1605	1445	0	11.59	483	11.45	0.14
	Rampur HEP (6*68.67)	412	432	432	0	3.30	137	3.19	0.11
	Sub Total (D)	1912	2037	1877	0	14.89	620	14.64	0.24
E. THDC	Tehri HPS (4*250)	1000	1080	1067	0	6.21	259	6.00	0.21
	Koteshwar HPS (4*100)	400	92	102	91	2.24	93	2.20	0.04
	Sub Total (E)	1400	1172	1169	91	8.44	352	8.20	0.24
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	571	1049	375	14.01	584	13.71	0.30
	Dehar HPS (6*165)	990	184	495	0	4.61	192	4.42	0.19
	Pong HPS (6*66)	396	239	318	192	5.61	234	5.73	-0.13
	Sub Total (F)	2765	994	1862	567	24.23	1009	23.87	0.36
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	108	0	0.77	32	0.73	0.04
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	920	0	6.35	265	6.24	0.12
	Malana Stg-II HPS (2*50)	100	0	0	0	0.29	12	0.28	0.01
	Shree Cement TPS (2*150)	300	0	255	259	6.22	259	6.30	-0.08
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.27	11	0.27	0.00
	Sub Total (G)	1662	0	1321	259	13.90	579	13.82	0.08
H. Total Regional Entities (A-G)		25237	19779	19011	9706	298.85	12452	300.26	-1.41

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	160	160	3.70	154	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	80	80	1.90	79	
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	246	205	4.96	207	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	709	690	21.43	893	
	Talwandi Saboo (2*660)	1320	0	0	0.00	0	
	Thermal (Total)	5360	1195	1135	31.99	1333	
	Total Hydro	1000	419	434	11.33	472	
	Total Punjab	6360	1614	1569	43.32	1805	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	549	457	12.07	503	
Faridabad GPS (NTPC)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	1135	764	22.87	953	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	568	376	9.96	415	
Thermal (Total)		4944	2252	1597	44.90	1871	
Total Hydro		62	16	23	0.49	20	
Total Haryana		5006	2268	1620	45.39	1891	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	522	498	12.61	525
	suratgarh TPS (6*250)	1500	221	217	5.45	227	
	Chabra TPS (4*250)	1000	362	380	9.33	389	
	Dholpur GPS (3*110)	330	0	0	0.00	0	
	Ramgarh GPS (1*37.5 + 1*35.5 + 2*37.5 + 1*110 + 1*50)	271	202	205	5.12	213	
	RAPS A (NPC) (1*100+1*200)	300	158	161	3.93	164	
	Barsingar (NLC) (2*125)	250	186	187	4.37	182	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	830	769	19.62	818	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1106	905	23.56	982	
	Kawai(Adani) (2*660)	1320	1185	1019	26.62	1109	
	Thermal (Total)	8876	4772	4341	111	4608	
	Total Hydro	550	234	202	4.33	180	
	Wind power	3214	338	1098	15.48	645	
	Biomass	99	22	22	0.52	22	
	Solar	730	0	0	1.82	76	
	Renewable/Others (Total)	4043	360	1120	17.81	742	
	Total Rajasthan	13469	5366	5663	132.74	5531	
	UP	Anpara TPS (3*210+2*500)	1630	1387	1366	32.70	1363
Obra TPS (2*50+2*94+5*200)		1194	479	477	12.20	508	
Paricha TPS (2*110+2*220+2*250)		1140	636	545	14.60	608	
Panki TPS (2*105)		210	72	54	1.30	54	
Harduaganj TPS (1*60+1*105+2*250)		665	282	167	5.40	225	
Tanda TPS (NTPC) (4*110)		440	370	144	5.81	242	
Roza TPS (IPP) (4*300)		1200	833	567	18.00	750	
Anpara-C (IPP) (2*600)		1200	1080	648	23.80	992	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	364	57	4.60	192	
Anpara-D(1*500)		500	0	0	0.00	0	
Lalitpur TPS(1*660)		660	0	0	1.40	58	
Bara(1*660)		660	0	0	0.00	0	
Thermal (Total)		9949	5503	4025	120	4992	
Vishnuparyag HPS (IPP)(4*110)		440	122	117	2.80	117	
Alaknanda(4*82.5)		330	80	82	1.90	79	
Other Hydro		527	247	30	2.10	88	
Cogeneration		981	25	25	0.60	25	
Total UP		12227	5977	4279	127	5300	
Uttarakhand		Total Hydro	1398	532	265	8.95	373
		Total Uttarakhand	1398	532	265	8.95	373
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	76	37	1.52	63	
	Pragati Gas Turbine (2x104+ 1x122)	330	154	148	3.71	154	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	252	26	2.42	101	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	165	2.74	114	
	Thermal (Total)	2917	482	375	10.39	433	
	Total Delhi	2917	482	375	10.39	433	
HP	Baspa HPS (IPP) (3*100)	300	60	30	1.60	67	
	Malana HPS (IPP) (2*43)	86	42	0	0.34	14	
	Other Hydro	878	161	120	4.08	170	
	Total HP	1264	263	150	6.02	251	
J & K	Baglihar HPS (IPP) (3*150)	450	300	300	7.20	300	
	Other Hydro/IPP	560	110	117	2.70	113	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	410	417	9.90	413	
Total State Control Area Generation		43841	16912	14338	383.91	15996	
J. Net Inter Regional Exchange [(Import +ve)/Export (-ve)]			5643	5872	159.54	6648	
Total Regional Availability(Gross)		69078	41566	29917	842.30	35096	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9633	1639	94.73	3947
State Control Area Hydro	6581	2323	1720	48	1992
Total Regional Hydro	18815	11956	3359	142.55	5940

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

Element	Peak(19:00 Hrs)		Off Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW		MW		Import	Export	Import	Export	
Vindhyachal(HVDC B/B)	100		100		100	0	1.66	0.00	1.66
765 KV Gwalior-Agra (D/C)	2357		2593		3080	0	60.76	0.00	60.76
400 KV Zarda-Kankroli	-80		-121		23	208	0.00	2.20	-2.20
400 KV Zarda-Bhinmal	-25		-92		111	220	0.00	0.94	-0.94
220 KV Auraiya-Malanpur	-128		-74		0	169	0.00	1.70	-1.70
220 KV Badod-Kota/Morak	-18		-89		0	95	0.00	1.70	-1.70
Mundra-Mohinderorah(HVDC Bipole)	2500		1501		2506	0	52.89	0.00	52.89
400 KV Vindhyachal - Rihand	0		0		0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	667		848		1152	0	22.01	0.00	22.01
Sub Total WR	5373		4666				137.32	6.53	130.79
Pusaull Bypass/HVDC	50		50		50	0	1.29	0.00	1.29
400 KV MZP -GKP (D/C)	-4		300		432	-39	6.22	0.00	6.22
400 KV Patna-Balia(D/C) X 2	215		360		437	0	8.55	0.00	8.55
400 KV B'Sharif-Balia (D/C)	-22		127		220	22	2.85	0.00	2.85
765 KV Gaya-Balia	79		180		206	0	1.81	0.00	1.81
765 KV Gaya-Fatehpur	33		142		339	0	4.84	0.00	4.84
220 KV Pusaull-Sahupuri	155		104		185	0	2.96	0.00	2.96
132 KV K'nasa-Sahupuri	0		0		0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-14		-25		0	30	0.00	0.57	-0.57
132 KV Garhwa-Rihand	0		0		0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-85		56		261	85	2.29	0.00	2.29
400 KV Barh -GKP (D/C)	263		312		382	0	7.69	0.00	7.69
Sub Total ER	670		1606				38.98	0.57	38.41
+/- 800 KV BiswanathCharialli-Agra	-400		-400		0	400	0.00	9.65	-9.65
Sub Total NER	-400		-400				0.00	9.65	-9.65
Total IR Exch	5643		5872				176.30	16.76	159.54

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

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)			Power Exchange Shdl (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Total	Through ER	Through WR	Through ER	Through WR
31.97	1.21	33.18	3.71	-17.12	6.61	16.62	6.11	-6.11	
Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)			
Through ER	Through WR Inclds Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER(including NER)	Through WR	Total	Total
49.61	95.60	145.21	28.76	130.79	159.54	-20.85	35.19	14.34	

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

Element	Peak(19:00 Hrs)		Off Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW		MW		Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-31		-32		0	34	0	1	-0.73

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	0.34	1.62	10.01	56.47	72.96	12.55	4.48	0.00	0.00

Frequency (Hz)				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum	Time	Minimum	Time				MAX (Hz)	MIN (Hz)
50.20	22.00	49.66	17.41	49.98	0.053	0.071	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	408	18:54	401	00:27	0.0	0.0	0.0	0.0
Gorakhpur	400	423	21:46	408	05:49	0.0	0.0	5.0	0.0
Bareilly(PG)400kV	400	421	05:03	402	18:07	0.0	0.0	0.1	0.0
Kanpur	400	411	03:02	406	18:07	0.0	0.0	4.0	0.0
Dadri	400	427	04:00	400	18:07	0.0	0.0	21.7	0.0
Ballabgarh	400	430	04:00	404	18:07	0.0	0.0	37.9	0.0
Bawana	400	428	03:55	403	18:09	0.0	0.0	28.6	0.0
Bassi	400	426	21:44	395	06:45	0.0	0.0	8.0	0.0
Hissar	400	422	04:00	398	18:20	0.0	0.0	3.0	0.0
Moga	400	425	02:41	403	18:14	0.0	0.0	19.7	0.0
Abdullapur	400	428	01:42	400	18:22	0.0	0.0	26.9	0.0
Nalagarh	400	436	02:40	411	18:20	0.0	0.0	60.5	19.3
Kishenpur	400	428	03:00	400	18:18	0.0	0.0	18.9	0.0
Wagoora	400	412	03:38	378	18:27	2.8	25.5	0.0	0.0
Amritsar	400	430	02:22	408	18:19	0.0	0.0	41.9	0.0
Kashipur	400	421	04:00	411	17:57	0.0	0.0	2.4	0.0
Hamirpur	400	430	03:03	405	18:19	0.0	0.0	39.2	0.0
Rishikesh	400	420	04:03	384	17:59	0.0	10.1	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	781	21:46	638	16:25	0.1	0.1	0.0	0.0
Balia	765	779	21:56	755	18:39	0.0	0.0	0.0	0.0
Moga	765	802	04:00	772	06:41	0.0	0.0	10.6	0.0
Agra	765	795	21:47	758	18:07	0.0	0.0	0.0	0.0
Bhiwani	765	803	21:47	764	18:05	0.0	0.0	10.0	0.0
Unnao	765	777	21:46	753	18:09	0.0	0.0	0.0	0.0
Lucknow	765	786	21:56	759	18:07	0.0	0.0	0.0	0.0
Meerut	765	809	05:03	760	18:12	0.0	0.0	14.1	0.0
Jhatikara	765	805	00:00	759	00:00	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	803	00:00	761	00:00	0.0	0.0	0.0	0.0
Anta	765	783	20:11	759	06:24	0.0	0.0	0.0	0.0
Phagi	765	786	04:01	751	06:42	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	508.65	1485.27	505.98	1352.81	250.18	387.94
Pong	426.72	384.05	417.86	794.52	412.52	577.87	60.48	334.70
Tehri	829.79	740.04	816.05	922.25	822.65	1058.24	64.41	142.00
Koteshwar	612.50	598.50	610.85	5.00	609.01	4.21	142.00	147.27
Chamera-I	760.00	748.75	758.21	0.00	0.00	0.00	70.46	47.59
Rihand	268.22	252.98	850.60	265.10	853.40	311.30	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	509.21	4.53	510.38	0.97	54.61	170.85

* NA: Not Available

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (19:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	-620	199	0	-1104	148	0	-13.60	3.47	-10.13
Delhi	-694	-7	0	-496	336	0	-13.31	7.44	-5.86
Haryana	-312	103	0	-508	288	0	-8.99	2.49	-6.50
HP	81	148	0	127	-412	0	3.88	-1.44	2.44
J&K	372	-126	0	255	-110	0	7.85	-1.38	6.47
CHD	-30	0	0	0	-60	0	-0.24	-0.31	-0.55
Rajasthan	0	612	0	0	304	0	6.93	15.27	22.19
UP	98	0	0	548	0	0	1.00	0.92	1.93
Uttarakhand	195	19	0	195	0	0	4.67	2.92	7.59
Total	-911	948	0	-984	494	0	-11.81	29.37	17.56

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-419	-1104	199	94	0	0
Delhi	-463	-694	650	-62	0	0
Haryana	-298	-508	324	-392	0	0
HP	253	-21	148	-601	0	0
J&K	372	235	0	-151	0	0
CHD	0	-30	0	-80	0	0
Rajasthan	533	0	1532	-145	0	0
UP	553	-268	489	0	0	0
Uttarakhand	195	195	343	-24	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 09.11.2015 :
Normal.

XIV. Synchronisation of new generating units :

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

1: At Bassi, POWERGRID two (II& III) Bus Reactor (50MVAR) first time charged at 18.05 hrs & 18.14 hrs dt 09.11.2015 respectively. Earlier these two reactors are used as Line Reactor at Bassi of 400kV Agra - Bassi ckt - II & III (at present the line became 400kV Agra -Jaipur (south) ckt - I & II.

XVI. Tripping of lines in pooling stations :

XVII. Complete generation loss in a generating station :