

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पब्लिसिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 19.09.2015
Date of Reporting : 20.09.2015

I. Regional Availability/Demand:

Evening Peak (20:00 Hrs) MW				Off Peak (03:00 Hrs) MW				Day Energy (Net MU)	
Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
45535	2114	47650	49.87	42241	2702	44943	50.09	1034.2	56.65

* 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)
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	72.61	16.21		88.82	88.82	91.76	-1.75	180.58	0.00
Haryana	38.73	0.71		39.45	39.45	105.71	-1.90	145.16	0.33
Rajasthan	119.80	4.97	14.25	139.01	139.01	59.04	0.32	198.05	0.00
Delhi	19.61			19.61	19.61	83.13	-0.88	102.74	0.23
UP	133.55	17.96		151.50	151.50	151.58	4.10	303.08	47.36
Uttarakhand		21.02		21.02	21.02	16.83	1.64	39.50	0.04
HP		13.94		13.94	13.94	10.20	-0.19	24.14	0.23
J & K		13.19	0.00	13.19	13.19	22.57	1.85	35.75	8.46
Chandigarh				0.00	0.00	5.24	0.27	5.24	0.00
Total	384.30	87.99	14.25	486.53	486.53	544.71	3.45	1034.24	56.65

* 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)
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	
Punjab	7675	0	-103	607	7352	0	-131	612	8016
Haryana	7457	0	-137	1635	5969	0	-192	1828	7457
Rajasthan	8609	0	-96	111	8371	0	-2	1020	9069
Delhi	4654	1	-125	511	4146	30	-46	338	4943
UP	12097	1660	-477	489	12555	2450	402	1369	13334
Uttarakhand	1842	0	39	171	1538	0	76	166	1894
HP	1147	0	11	-718	858	0	13	-552	1198
J&K	1814	453	62	-148	1259	222	-28	-297	1835
Chandigarh	240	0	-22	0	195	0	17	0	246
Total	45535	2114	-847	2658	42241	2702	108	4484	45535

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

Diversity is 1.05

III. Regional Entities :

Entity	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	1757	1844	2041	42.51	1771	41.94	0.57	
	Rihand I STPS (2*500)	1000	804	863	886	19.02	792	18.91	0.11	
	Rihand II STPS (2*500)	1000	943	1024	1015	22.85	952	22.25	0.60	
	Rihand III STPS (2*500)	1000	480	463	510	11.41	476	11.28	0.14	
	Dadri I STPS (4*210)	840	600	493	461	11.05	460	11.21	-0.16	
	Dadri II STPS (2*490)	980	970	783	680	17.97	749	18.84	-0.87	
	Unchahar I TPS (2*210)	420	195	198	207	4.43	185	4.43	0.00	
	Unchahar II TPS (2*210)	420	400	305	416	8.66	361	9.01	-0.35	
	Unchahar III TPS (1*220)	210	200	158	193	4.31	180	4.38	-0.07	
	ISTPP (Jhajjar) (3*500)	1500	1436	635	651	14.40	600	15.16	-0.77	
	Dadri GPS (4*130.19+2*154.51)	830	800	382	346	8.14	339	8.54	-0.40	
	Anta GPS (3*88.71+1*153.2)	419	391	227	230	5.82	243	5.97	-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	0.03	1	0.06	-0.03	
	Singrauli Solar	15	3	0	0	0.07	3	0.08	-0.01	
	KHEP	800	845	630	358	7.92	330	8.00	-0.08	
	Sub Total (A)	12112	10463	8005	7994	179	7442	180	-1	
	B. NPC	NAPS (2*220)	440	372	402	418	8.81	367	8.93	-0.12
		RAPS- B (2*220)	440	185	209	211	4.53	189	4.44	0.09
RAPS- C (2*220)		440	400	430	426	9.21	384	9.60	-0.39	
Sub Total (B)		1320	957	1041	1055	22.54	939	22.97	-0.43	
C. NHPC	Chamera I HPS (3*180)	540	534	542	0	3.57	149	3.50	0.07	
	Chamera II HPS (3*100)	300	300	311	0	4.09	170	3.95	0.14	
	Chamera III HPS (3*77)	231	229	223	0	2.99	125	2.85	0.14	
	Bairasuli HPS(3*60)	180	179	122	0	1.19	50	1.11	0.08	
	Salal-HPS (6*115)	690	483	671	429	12.35	515	11.67	0.68	
	Tanakpur-HPS (3*40)	94	76	76	79	1.95	81	1.83	0.12	
	Uri-I HPS (4*120)	480	164	314	153	4.43	185	3.94	0.50	
	Uri-II HPS (4*60)	240	101	176	86	2.69	112	2.41	0.28	
	Dhauliganga-HPS (4*70)	280	280	283	70	3.79	158	3.70	0.09	
	Dulhasti-HPS (3*130)	390	386	396	397	9.37	391	9.26	0.11	
	Sewa-II HPS (3*40)	120	119	113	0	0.48	20	0.40	0.08	
	Parbati 3 (4*130)	520	390	0	0	1.64	68	1.59	0.05	
	Sub Total (C)	4065	3241	3228	1213	49	2022	46	2	
	D. SJVNL	NJPC (6*250)	1500	1350	1347	918	24.77	1032	24.45	0.32
Rampur HEP (6*68.67)		412	432	372	259	7.06	294	6.75	0.31	
Sub Total (D)		1912	1782	1719	1177	31.84	1327	31.20	0.64	
E. THDC	Tehri HPS (4*250)	1000	1080	1032	234	6.63	276	6.50	0.13	
	Koteshwar HPS (4*100)	400	92	101	93	2.26	94	2.20	0.06	
	Sub Total (E)	1400	1172	1133	327	8.89	370	8.70	0.19	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	913	1461	643	21.77	907	21.92	-0.15	
	Dehar HPS (6*165)	990	584	825	560	14.37	599	14.02	0.35	
	Pong HPS (6*66)	396	348	384	318	8.32	347	8.34	-0.03	
	Sub Total (F)	2765	1845	2670	1521	44.46	1852	44.28	0.18	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	95	47	1.39	58	1.25	0.14	
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	800	550	14.27	595	13.95	0.33	
	Malana Stg-II HPS (2*50)	100	0	101	35	1.15	48	1.11	0.04	
	Shree Cement TPS (2*150)	300	0	182	146	3.85	160	4.16	-0.31	
	Budhil HPS(IPP) (2*35)	70	0	75	0	0.91	38	0.89	0.02	
Sub Total (G)	1662	0	1253	778	21.56	899	21.36	0.21		
H. Total Regional Entities (A-G)	25237	19459	19049	14066	356.43	14851	354.79	1.64		

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	890	1080	22.09	920	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	175	2.72	113	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	538	794	15.09	629	
	Goindwal(GVK)	0	0	0	0.00	0	
	Rajpura (2*700)	1400	1022	1077	24.19	1008	
	Talwandi Saboo (1*660)	660	340	363	8.51	355	
	Thermal (Total)	4700	2880	3489	72.61	3025	
	Total Hydro	1000	657	663	16.21	675	
	Total Punjab	5700	3537	4152	88.82	3701	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	461	456	10.85	452	
Faridabad GPS (NTPC)		432	304	319	9.48	395	
RGTPP (khedra) (IPP) (2*600)		1200	1037	725	18.40	767	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4944	1802	1500	38.73	1614	
Total Hydro		62	31	29	0.71	30	
Total Haryana		5006	1833	1529	39.45	1644	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	783	961	20.34	847
		suratgarh TPS (6*250)	1500	933	1157	25.39	1058
		Chabra TPS (4*250)	1000	356	324	8.62	359
		Dholpur GPS (3*110)	330	85	87	2.13	89
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	186	186	4.51	188	
	RAPS A (NPC) (1*100+1*200)	300	160	162	3.98	166	
	Barsingar (NLC) (2*125)	250	95	182	2.85	119	
	Giral LTPS (2*125)	250	62	62	1.16	48	
	Rajwest LTPS (IPP) (8*135)	1080	627	647	14.86	619	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1080	1066	25.40	1058	
	Kawai(Adani) (2*660)	1320	435	439	10.56	440	
	Thermal (Total)	8876	4802	5273	120	4992	
	Total Hydro	550	188	221	4.97	207	
	Wind power	3214	989	50	12.03	501	
	Biomass	99	18	18	0.43	18	
	Solar	730	0	0	1.78	74	
	Renewable/Others (Total)	4043	1007	68	14.25	594	
	Total Rajasthan	13469	5997	5562	139.01	5792	
	UP	Anpara TPS (3*210+2*500)	1630	910	877	21.51	896
Obra TPS (2*50+2*94+5*200)		1194	453	464	10.74	447	
Paricha TPS (2*110+2*220+2*250)		1140	626	625	14.91	621	
Panki TPS (2*105)		210	77	68	1.73	72	
Harduaganj TPS (1*60+1*105+2*250)		665	447	440	10.42	434	
Tanda TPS (NTPC) (4*110)		440	187	176	4.51	188	
Roza TPS (IPP) (4*300)		1200	1090	1090	26.31	1096	
Anpara-C (IPP) (2*600)		1200	1071	1082	25.80	1075	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	405	403	9.43	393	
Anpara-D(1*500)		500	275	131	5.13	214	
Lalitpur TPS(1*660)		660	117	0	1.86	77	
Thermal (Total)		9289	5658	5356	132	5515	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.47	436	
Alaknanda(4*82.5)		330	244	223	5.72	238	
Other Hydro		527	83	55	1.76	74	
Cogeneration		981	50	50	1.20	50	
Total UP		11567	6470	6119	152	6313	
Uttarakhand	Total Hydro	1398	856	814	21.02	876	
	Total Uttarakhand	1398	856	814	21.02	876	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	16	37	0.81	34	
	Prahati Gas Turbine (2x104+ 1x122)	330	263	263	5.98	249	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	245	247	6.02	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	317	324	6.80	283	
	Thermal (Total)	2917	841	871	19.61	817	
	Total Delhi	2917	841	871	19.61	817	
HP	Baspa HPS (IPP) (3*100)	300	88	197	4.87	203	
	Malana HPS (IPP) (2*43)	86	90	11	0.91	38	
	Other Hydro	878	349	338	8.15	340	
	Total HP	1264	527	546	13.94	581	
J & K	Baqilhar HPS (IPP) (3*150)	450	450	450	10.80	450	
	Other Hydro/IPP	560	98	99	2.39	99	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	548	549	13.19	549	
Total State Control Area Generation		42521	20609	20142	486.53	20272	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			1924.94	3416.18	215.31	8971	
Total Regional Availability(Gross)		67758	41583	37623	1058.27	44095	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10376	5228	158.44	6602
State Control Area Hydro	6581	3569	3535	88	3666
Total Regional Hydro	18815	13945	8763	246.42	10268

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	Import	Export	
Vindhychal(HVDC B/B)	-200	50	250	200	1.93	1.60	0.32		
765 KV Gwalior-Agra (D/C)	-2864	-3097	3260	0	71.11	0.00	71.11		
400 KV Zerda-Kankroli	-11	138	180	111	0.76	0.00	0.76		
400 KV Zerda-Bhinmal	6	229	286	117	2.48	0.00	2.48		
220 KV Auraiya-Malanpur	9	1	79	27	0.57	0.00	0.57		
220 KV Badod-Kota/Morak	-9	63	77	53	0.61	0.00	0.61		
Mundra-Mohindergarh(HVDC Bipole)	2304	2502	2572	0	56.81	0.00	56.81		
400 KV Vindhychal - Rihand	509	303	509	0	8.77	0.00	8.77		
765 KV Phagi-Gwalior (D/C)	1034	1060	1200	0	24.05	0.00	24.05		
Sub Total WR	778	1249			167.08	1.60	165.47		
Pusauli Bypass/HVDC	400	400	400	0	8.95	0.00	8.95		
400 KV MZP- GKP (D/C)	160	336	490	0	9.18	0.00	9.18		
400 KV Patna-Balia(D/C) X 2	168	492	558	0	10.09	0.00	10.09		
400 KV B'Sharif-Balia (D/C)	80	234	311	0	5.64	0.00	5.64		
765 KV Pusauli-Balia	131	249	282	0	2.90	0.00	2.90		
765 KV Gaya-Fatehpur	47	106	240	0	2.93	0.00	2.93		
220 KV Pusauli-Sahupuri	163	155	223	0	3.92	0.00	3.92		
132 KV Knasa-Sahupuri	0	0	0	0	0.48	0.00	0.48		
132 KV Son Ngr-Rihand	-40	-25	0	-43	0.00	-0.79	0.79		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-124	-57	61	144	0.00	0.91	-0.91		
400 KV Barh -GKP (D/C)	162	277	329	0	5.87	0.00	5.87		
Sub Total ER	1147	2167			49.96	0.12	49.84		
+/- 800 KV BiswanathChariali-Agra	0	0	0	0	0	0	0		
Sub Total NER	0	0			0	0	0		
Total IR Exch	1925	3416			217.04	1.73	215.31		

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

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
35.71	3.49	39.20	15.54	25.13	5.74	33.63	1.09	-1.09

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Inclds Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
61.57	143.41	204.99	49.84	165.47	215.31	-11.73	22.06	10.32

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	Import	Export	
132 KV Tanakpur - Mahendarnagar	-22	0	0	31	0	0	-0.28		

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	2.87	25.38	69.91	63.37	9.26	2.04	0.00	0.00

Frequency (Hz)					Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum						MAX (Hz)	MIN (Hz)
Freq	Time	Freq	Time	Time					
50.18	10.02	49.66	18.42	49.95	0.084	0.079	50.16	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	403	10:05	395	14:41	0.0	0.0	0.0	0.0
Gorakhpur	400	417	18:03	396	23:24	0.0	0.0	0.0	0.0
Barilly	400	405	00:00	405	00:00	0.0	0.0	0.0	0.0
Kanpur	400	418	04:02	403	14:18	0.0	0.0	0.0	0.0
Dadri	400	417	04:00	398	14:19	0.0	0.0	0.0	0.0
Ballabgarh	400	426	04:01	404	14:18	0.0	0.0	26.1	0.0
Bawana	400	424	04:00	404	14:18	0.0	0.0	17.5	0.0
Bassi	400	428	04:00	406	14:18	0.0	0.0	29.1	0.0
Hissar	400	422	04:01	402	14:20	0.0	0.0	0.8	0.0
Moga	400	415	01:56	400	19:14	0.0	0.0	0.0	0.0
Abdullapur	400	425	04:01	401	19:17	0.0	0.0	30.1	0.0
Nalagarh	400	430	04:02	411	14:25	0.0	0.0	40.3	0.0
Kishenpur	400	424	04:01	401	19:14	0.0	0.0	8.6	0.0
Wagoora	400	413	00:00	395	00:00	0.0	0.0	0.0	0.0
Amritsar	400	418	02:00	399	19:08	0.0	0.0	0.0	0.0
Kashipur	400	416	04:02	405	14:20	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	05:07	380	14:20	0.0	39.3	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	783	04:02	754	14:19	0.0	0.0	0.0	0.0
Balia	765	772	18:02	738	23:32	0.0	1.3	0.0	0.0
Moga	765	801	02:01	774	14:20	0.0	0.0	2.0	0.0
Agra	765	794	04:05	758	14:18	0.0	0.0	0.0	0.0
Bhiwani	765	809	04:02	770	14:19	0.0	0.0	21.1	0.0
Unnao	765	763	18:03	725	14:20	2.5	44.0	0.0	0.0
Lucknow	765	773	18:03	738	12:52	0.0	7.7	0.0	0.0
Meerut	765	812	04:02	768	14:20	0.0	0.0	18.7	0.0
Jhatikara	765	806	04:00	374	11:11	41.1	41.1	3.2	0.0
Barilly	765	776	18:03	737	14:19	0.0	2.9	0.0	0.0
Anta	765	768	00:00	768	00:00	0.0	0.0	0.0	0.0
Phagi	765	797	04:04	766	14:18	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	511.09	1605.30	511.56	1620.46	576.81	659.47
Pong	426.72	384.05	421.04	931.43	416.91	755.83	101.03	480.11
Tehri	829.79	740.04	822.55	1056.00	821.45	1032.88	208.23	146.00
Koteshwar	612.50	598.50	610.80	4.95	612.40	5.81	146.00	148.86
Chamera-I	760.00	748.75	754.15	0.00	0.00	0.00	127.74	96.95
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	511.54	6.14	516.84	10.06	118.71	318.03

* 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	534	78	0	532	75	0	12.81	4.84	17.64
Delhi	148	191	-2	540	-27	-2	7.98	3.67	11.65
Haryana	1703	125	0	1703	-68	0	40.90	-0.83	40.08
HP	-438	-114	0	-388	-330	0	-9.72	-4.04	-13.75
J&K	-432	135	0	-432	284	0	-10.36	5.09	-5.27
CHD	0	0	0	0	0	0	0.00	0.35	0.35
Rajasthan	-247	1265	2	-389	498	2	-6.64	19.89	13.25
UP	540	829	0	489	0	0	11.71	12.38	24.09
Uttarakhand	-94	260	0	-249	419	0	-2.96	6.45	3.49
Total	1715	2769	0	1807	851	0	43.73	47.80	91.53

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	534	532	738	75	0	0
Delhi	590	61	493	-113	0	-2
Haryana	1706	1702	227	-579	0	0
HP	-388	-438	21	-375	0	0
J&K	-432	-432	359	-15	0	0
CHD	0	0	39	0	0	0
Rajasthan	-247	-390	1729	483	2	0
UP	561	409	1146	0	0	0
Uttarakhand	-80	-249	439	9	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 19.09.2015 :

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 :