

पॉवर 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 13.11.2015

Date of Reporting : 14.11.2015

I. Regional Availability/Demand:

Evening Peak (19:00 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
38169	553	38722	50.10	27342	641	27983	50.06	766.4	17.59

* 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:

UI [OD:(+ve), UD: (-ve)]

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	26.92	9.96		36.88	47.23	46.80	-0.43	83.68	0.00
Haryana	38.55	0.48		39.03	57.38	55.87	-1.51	94.90	0.00
Rajasthan	96.89	5.50	2.50	104.89	76.60	83.27	6.67	188.17	7.26
Delhi	14.17			14.17	41.98	41.52	-0.46	55.70	0.04
UP	139.92	6.13		146.05	113.07	107.07	-6.00	253.12	1.14
Uttarakhand		8.00		8.00	18.71	21.29	2.58	29.29	0.00
HP		5.77		5.77	13.38	13.88	0.49	19.65	0.00
J & K		8.90	0.00	8.90	29.90	29.77	-0.13	38.67	9.15
Chandigarh				0.00	3.29	3.28	0.27	3.28	0.00
Total	316.45	44.73	2.50	363.69	401.54	402.75	1.49	766.44	17.59

* Shortage furnished by the respective constituent.\$ Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

UI/OA/PX [OD/Import: (+ve), UD/Export: (-ve)]

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	4332	0	-326	-333	2371	0	-113	-352	4332
Haryana	5726	0	-87	-342	2961	0	-95	-249	5726
Rajasthan	8718	0	266	434	7138	411	385	592	8718
Delhi	2872	0	-96	-256	1710	0	4	-818	2922
UP	11858	80	-37	-258	10201	0	-213	82	11956
Uttarakhand	1546	0	1	171	1037	0	160	175	1572
HP	1048	0	-55	-362	529	0	59	13	1076
J&K	1892	473	102	255	1303	230	-128	221	1902
Chandigarh	177	0	0	-70	92	0	5	-30	177
Total	38169	553	-233	-763	27342	641	64	-367	38169

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

Diversity is 1.01

III. Regional Entities :

UI [OG:(+ve), UG: (-ve)]

Entity	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	
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1900	2040	1637	43.03	1793	42.04	0.98	
	Rihand I STPS (2*500)	1000	876	833	772	18.32	763	17.80	0.52	
	Rihand II STPS (2*500)	1000	963	673	815	19.30	804	18.82	0.48	
	Rihand III STPS (2*500)	1000	963	830	850	20.25	844	19.87	0.37	
	Dadri I STPS (4*210)	840	810	161	155	3.48	145	3.48	-0.01	
	Dadri II STPS (2*490)	980	980	369	363	9.08	378	10.02	-0.94	
	Unchahar I TPS (2*210)	420	385	337	323	6.90	288	7.57	-0.67	
	Unchahar II TPS (2*210)	420	404	308	261	6.47	270	6.87	-0.39	
	Unchahar III TPS (1*220)	210	202	167	139	3.35	140	3.62	-0.27	
	ISTPP (Jhajhar) (3*500)	1500	1500	626	630	14.05	586	12.23	-0.17	
	Dadri GPS (4*130.19+2*154.51)	830	630	541	531	12.18	508	14.57	-0.38	
	Anta GPS (3*88.71+1*153.2)	419	416	212	250	5.41	225	5.63	-0.23	
	Auraiya GPS (4*111.19+2*109.30)	663	652	284	291	6.67	278	6.84	-0.17	
	Dadri Solar	5	1	0	0	0.01	1	0.02	0.00	
	Unchahar Solar	10	1	0	0	0.03	1	0.02	0.01	
	Singrauli Solar	15	2	0	0	0.04	2	0.04	0.01	
	KHEP	800	655	537	0	4.34	181	4.00	0.34	
	Sub Total (A)	12112	11339	7918	7017	173	7204	173	-1	
	B. NPC	NAPS (2*220)	440	402	442	447	9.79	408	9.65	0.14
		RAPS- B (2*220)	440	393	390	393	8.68	362	9.43	-0.76
RAPS- C (2*220)		440	410	405	410	9.05	377	9.84	-0.79	
Sub Total (B)		1320	1205	1237	1250	27.52	1147	28.92	-1.40	
C. NHPC	Chamera I HPS (3*180)	540	540	551	0	2.04	85	1.93	0.11	
	Chamera II HPS (3*100)	300	200	199	0	2.03	85	1.89	0.14	
	Chamera III HPS (3*77)	231	229	190	0	1.17	49	1.05	0.12	
	Bairasuli HPS (3*60)	180	179	175	0	0.86	36	0.78	0.08	
	Salal-HPS (6*115)	690	223	436	190	6.20	258	5.36	0.85	
	Tanakpur-HPS (3*40)	94	30	31	27	0.81	34	0.73	0.08	
	Uri-I HPS (4*120)	480	426	459	427	10.91	455	10.24	0.67	
	Uri-II HPS (4*60)	240	238	240	242	5.75	239	5.72	0.03	
	Dhauliganga-HPS (4*70)	280	280	144	0	1.36	57	1.22	0.13	
	Dulhasti-HPS (3*130)	390	387	399	0	4.73	197	4.50	0.23	
	Sewa-II HPS (3*40)	120	119	129	0	0.76	32	0.60	0.16	
	Parbati 3 (4*130)	520	130	132	0	0.81	34	0.39	0.42	
	Sub Total (C)	4065	2982	3084	886	37	1559	34	3	
	D. SJVNL	NJPC (6*250)	1500	1605	1608	0	10.96	457	10.77	0.19
		Rampur HEP (6*68.67)	412	432	446	0	3.13	131	2.99	0.14
Sub Total (D)		1912	2037	2054	0	14.09	587	13.76	0.33	
E. THDC	Tehri HPS (4*250)	1000	1068	1068	0	6.23	260	5.96	0.27	
	Koteshwar HPS (4*100)	400	92	101	91	2.24	93	2.20	0.04	
	Sub Total (E)	1400	1160	1169	91	8.46	353	8.16	0.30	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	580	1050	376	14.02	584	13.91	0.11	
	Dehar HPS (6*165)	990	174	495	145	4.22	176	4.19	0.04	
	Pong HPS (6*66)	396	201	318	60	4.63	193	4.82	-0.19	
	Sub Total (F)	2765	955	1863	581	22.87	953	22.92	-0.05	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	103	0	0.74	31	0.68	0.06	
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	850	0	5.82	243	5.70	0.12	
	Malana Stg-II HPS (2*50)	100	0	0	0	0.28	12	0.26	0.02	
	Shree Cement TPS (2*150)	300	0	261	205	5.95	248	5.87	0.08	
	Budhil HPS(IPP) (2*35)	70	0	75	0	0.27	11	0.27	0.00	
Sub Total (G)	1662	0	1289	205	13.05	544	12.77	0.28		
H. Total Regional Entities (A-G)	25237	19677	18615	10030	296.31	12346	294.38	1.93		

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	3.50	146
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	1.98	83
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	203	203	4.63	193
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	702	709	16.80	700
	Talwandi Saboo (2*660)	1320	0	0	0.00	0
	Thermal (Total)	5360	1155	1162	26.92	1121
	Total Hydro	1000	393	406	9.96	415
	Total Punjab	6360	1548	1568	36.88	1537
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	544	454	11.11	463
Faridabad GPS (NTPC)		432	0	0	0.01	0
RGTPP (khedar) (IPP) (2*600)		1200	1145	768	18.46	769
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	375	374	8.97	374
Thermal (Total)		4944	2064	1596	38.55	1606
Total Hydro		62	20	11	0.48	20
Total Haryana		5006	2084	1607	39.03	1626
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	852	352	14.27
	suratgarh TPS (6*250)	1500	210	216	5.31	221
	Chabra TPS (4*250)	1000	622	609	14.66	611
	Dholpur GPS (3*110)	330	0	0	0.36	15
	Ramgarh GPS (1*37.5 + 1*35.5 + 2*37.5 + 1*110 + 1*50)	271	208	203	5.01	209
	RAPS A (NPC) (1*100+1*200)	300	160	161	3.96	165
	Barsingar (NLC) (2*125)	250	184	187	4.31	180
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	831	834	19.73	822
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	190	0	1.35	56
	Kawai(Adani) (2*660)	1320	1144	1110	27.94	1164
	Thermal (Total)	8876	4401	3672	97	4037
	Total Hydro	550	204	295	5.50	229
	Wind power	3214	25	6	1.79	74
	Biomass	99	26	26	0.62	26
	Solar	730	2	0	0.10	4
	Renewable/Others (Total)	4043	53	32	2.50	104
	Total Rajasthan	13469	4658	3999	104.89	4371
	UP	Anpara TPS (3*210+2*500)	1630	1543	1373	32.86
Obra TPS (2*50+2*94+5*200)		1194	261	269	6.10	254
Paricha TPS (2*110+2*220+2*250)		1140	689	545	13.55	564
Panki TPS (2*105)		210	0	0	0.00	0
Harduaganj TPS (1*60+1*105+2*250)		665	570	500	12.34	514
Tanda TPS (NTPC) (4*110)		440	293	276	8.08	337
Roza TPS (IPP) (4*300)		1200	972	756	23.28	970
Anpara-C (IPP) (2*600)		1200	1085	1083	24.45	1019
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	283	282	7.00	292
Anpara-D(1*500)		500	0	0	0.00	0
Lalitpur TPS(1*660)		660	409	400	9.86	411
Bara(1*660)		660	0	0	0.00	0
Thermal (Total)		9949	6105	5484	138	5730
Vishnuparyag HPS (IPP)(4*110)		440	122	112	2.81	117
Alaknanda(4*82.5)		330	80	73	1.83	76
Other Hydro		527	51	33	1.49	62
Cogeneration		981	100	100	2.40	100
Total UP		12227	6458	5802	146	6086
Uttarakhand	Total Hydro	1398	521	242	8.00	333
	Total Uttarakhand	1398	521	242	8.00	333
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	39	39	0.91	38
	Pragati Gas Turbine (2x104+ 1x122)	330	156	149	3.67	153
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	251	6.08	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.54	148
	Thermal (Total)	2917	612	604	14.17	591
Total Delhi	2917	612	604	14.17	591	
HP	Baspa HPS (IPP) (3*100)	300	30	0	1.44	60
	Malana HPS (IPP) (2*43)	86	45	0	0.34	14
	Other Hydro	878	189	140	4.00	167
	Total HP	1264	264	140	5.77	240
J & K	Baglihar HPS (IPP) (3*150)	450	300	240	6.12	255
	Other Hydro/IPP	560	119	121	2.78	116
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	419	361	8.90	371
Total State Control Area Generation		43841	16564	14323	363.69	15154
J. Net Inter Regional Exchange (Import +ve)/Export (-ve)			4732	4312	125.63	5235
Total Regional Availability(Gross)		69078	39911	28665	785.63	32735

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9660	1558	94.01	3917
State Control Area Hydro	6581	2074	1673	45	1864
Total Regional Hydro	18815	11734	3231	138.74	5781

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	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-250	-250	0	250	0.00	5.96	-5.96		
765 KV Gwalior-Agra (D/C)	2164	1847	2527	0	49.11	0.00	49.11		
400 KV Zerda-Kankroli	-79	-185	0	215	0.00	3.39	-3.39		
400 KV Zerda-Bhinmal	17	-110	124	157	0.00	1.46	-1.46		
220 KV Auraiya-Malanpur	-96	-128	0	135	0.00	2.41	-2.41		
220 KV Badod-Kota/Morak	-12	-38	46	80	0.00	1.25	-1.25		
Mundra-Mohinderorah(HVDC Bipole)	2002	1798	2006	0	46.33	0.00	46.33		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 kV Phagi-Gwalior (D/C)	929	721	616	0	22.80	0.00	22.80		
Sub Total WR	4675	3655			118.24	14.47	103.77		
Pusaull Bypass/HVDC	50	50	50	0	1.27	0.00	1.27		
400 KV MZP -GKP (D/C)	-68	174	448	112	4.53	0.00	4.53		
400 KV Patna-Balia(D/C) X 2	178	246	352	0	6.00	0.00	6.00		
400 KV B'Sharif-Balia (D/C)	0	74	239	25	2.54	0.00	2.54		
765 KV Gaya-Balia	50	158	226	0	1.79	0.00	1.79		
765 KV Gaya-Fatehpur	-24	28	252	76	2.43	0.00	2.43		
220 KV Pusaull-Sahupuri	92	128	159	0	3.05	0.00	3.05		
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48		
132 KV Son Ngr-Rihand	-24	-24	0	28	0.00	0.58	-0.58		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-143	-67	174	199	0.19	0.00	0.19		
400 KV Barh -GKP (D/C)	246	290	348	0	6.61	0.00	6.61		
Sub Total ER	357	1057			28.90	0.58	28.32		
+/- 800 KV BiswanathCharialli-Agra	-300	-400	0	400	0.00	6.45	-6.45		
Sub Total NER	-300	-400			0.00	6.45	-6.45		
Total IR Exch	4732	4312			147.13	21.50	125.63		

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	Total	Through ER	Through WR	Through ER	Through WR
27.94	1.02	28.96	3.53	-17.46	13.93	3.12	11.35	5.98	-5.98
Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)			
Through ER	Through WR Incids Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER(including NER)	Through WR	Total	Total
41.60	82.19	123.79	21.87	103.77	125.63	-19.73	21.57	1.84	

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	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-32	-30	0	34	0	1	-0.71		

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	0.00	0.54	10.10	59.82	73.94	12.63	2.91	0.47	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					
50.28	13.02	49.76	0.07	49.98	0.048	0.068	50.12	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	03:36	401	18:47	0.0	0.0	0.0	0.0
Gorakhpur	400	420	07:12	394	17:54	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	03:03	393	18:09	0.0	0.0	0.0	0.0
Kanpur	400	411	02:57	401	18:07	0.0	0.0	0.3	0.0
Dadri	400	428	02:55	407	18:07	0.0	0.0	61.0	0.0
Ballabgarh	400	433	02:57	411	18:08	0.0	0.0	87.1	11.1
Bawana	400	432	03:01	410	18:06	0.0	0.0	84.8	4.2
Bassi	400	428	21:31	405	05:52	0.0	0.0	7.5	0.0
Hissar	400	426	03:01	405	18:07	0.0	0.0	24.5	0.0
Moga	400	429	03:02	406	18:06	0.0	0.0	30.0	0.0
Abdullapur	400	429	02:22	404	18:38	0.0	0.0	70.3	0.0
Nalagarh	400	435	00:00	411	18:39	0.0	0.0	86.7	14.3
Kishenpur	400	429	03:00	398	18:38	0.0	0.0	19.9	0.0
Wagoora	400	408	03:03	375	18:09	10.4	34.2	0.0	0.0
Amritsar	400	432	03:03	408	18:36	0.0	0.0	70.1	3.8
Kashipur	400	421	03:03	409	18:04	0.0	0.0	0.1	0.0
Hamirpur	400	427	01:31	404	18:39	0.0	0.0	56.2	0.0
Rishikesh	400	418	02:22	387	18:08	0.0	1.1	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	775	01:28	732	18:08	0.0	5.9	0.0	0.0
Balia	765	771	07:07	732	18:08	0.0	6.6	0.0	0.0
Moga	765	810	03:03	767	18:09	0.0	0.0	24.0	0.0
Agra	765	794	03:02	753	18:08	0.0	0.0	0.0	0.0
Bhiwani	765	811	02:32	775	18:06	0.0	0.0	35.9	0.0
Unnao	765	770	16:02	737	18:07	0.0	4.2	0.0	0.0
Lucknow	765	778	07:09	738	18:08	0.0	1.0	0.0	0.0
Meerut	765	816	02:56	768	18:08	0.0	0.0	46.1	0.0
Jhatikara	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Anta	765	784	21:30	763	08:27	0.0	0.0	0.0	0.0
Phagi	765	795	21:34	767	17:56	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	508.26	1470.42	505.33	1325.82	234.89	389.19
Pong	426.72	384.05	417.47	781.19	412.06	566.84	48.14	278.78
Tehri	829.79	740.04	815.40	910.26	819.55	993.26	64.65	140.00
Koteshwar	612.50	598.50	610.69	4.95	609.45	4.21	140.00	147.00
Chamera-I	760.00	748.75	758.49	0.00	0.00	0.00	73.87	55.39
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	508.39	3.50	510.22	2.37	91.82	173.37

* 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	-626	274	0	-596	262	0	-11.58	6.75	-4.83
Delhi	-694	-124	0	-496	239	0	-13.37	4.28	-9.08
Haryana	-312	63	0	-508	165	0	-8.62	3.36	-5.26
HP	61	-48	0	208	-570	0	4.10	-5.07	-0.96
J&K	372	-151	0	356	-101	0	8.55	-1.60	6.95
CHD	-30	0	0	0	-70	0	-0.24	-0.37	-0.61
Rajasthan	0	592	0	0	434	0	6.93	13.22	20.15
UP	82	0	0	-258	0	0	-3.79	0.00	-3.79
Uttarakhand	195	-19	0	195	-24	0	4.67	0.56	5.24
Total	-953	587	0	-1100	337	0	-13.35	21.13	7.79

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-191	-626	300	227	0	0
Delhi	-492	-694	527	-154	0	0
Haryana	-298	-508	182	-52	0	0
HP	232	61	4	-773	0	0
J&K	372	336	0	-176	0	0
CHD	0	-30	0	-80	0	0
Rajasthan	533	0	1089	130	0	0
UP	117	-304	0	0	0	0
Uttarakhand	195	195	247	-92	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 13.11.2015 :
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 :