

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 27.11.2015
Date of Reporting : 28.11.2015

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
37105	1800	38905	50.12	28711	1104	29814	50.12	788.1	41.42

* 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	36.33	6.74		43.08	44.72	45.67	0.95	88.75	0.00
Haryana	43.80	0.28		44.08	63.03	62.01	-1.02	106.09	0.00
Rajasthan	114.75	5.05	7.15	126.95	77.66	79.06	1.40	206.02	0.00
Delhi	14.34			14.34	44.80	44.90	0.10	59.24	0.03
UP	107.31	5.70		113.01	112.06	112.91	0.85	225.92	30.80
Uttarakhand		6.26		6.26	25.87	27.47	1.60	33.73	0.87
HP		5.18		5.18	18.71	18.66	-0.05	23.84	0.05
J & K		7.90	0.00	7.90	32.29	33.20	0.91	41.10	9.68
Chandigarh				0.00	3.27	3.37	0.27	3.37	0.00
Total	316.54	37.11	7.15	360.80	422.41	427.26	5.01	788.05	41.42

* 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	4088	0	56	-352	2698	0	15	-430	4688
Haryana	6132	0	-49	-198	3016	0	-163	-187	6132
Rajasthan	9079	0	-240	626	8124	0	116	634	9817
Delhi	3120	0	-74	39	1569	0	198	-879	3140
UP	9718	1260	-279	-272	9792	830	54	109	10001
Uttarakhand	1674	75	51	404	1123	0	100	436	1720
HP	1253	0	50	-54	750	0	38	240	1253
J&K	1860	465	-127	290	1551	274	-19	417	1932
Chandigarh	181	0	-34	-80	88	0	3	-30	181
Total	37105	1800	-645	402	28711	1104	341	312	37105

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

Diversity is 1.05

III. Regional Entities :

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

Entity	Station/Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule		UI	
								Net MU	Net MU	Net MU	Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1764	2014	1451	42.87	1786	41.82	1.06		
	Rihand I STPS (2*500)	1000	857	696	816	19.02	792	18.82	0.20		
	Rihand II STPS (2*500)	1000	963	745	808	20.26	844	19.74	0.51		
	Rihand III STPS (2*500)	1000	970	763	857	21.36	890	21.33	0.03		
	Dadri I STPS (4*210)	840	610	135	158	3.62	151	3.71	-0.09		
	Dadri II STPS (2*490)	980	980	331	417	8.70	362	9.25	-0.55		
	Unchahar I TPS (2*210)	420	406	300	284	7.61	317	8.00	-0.39		
	Unchahar II TPS (2*210)	420	404	273	270	6.83	285	7.09	-0.26		
	Unchahar III TPS (1*220)	210	202	150	128	3.57	149	3.57	0.01		
	ISTPP (Jhajjar) (3*500)	1500	1500	699	549	14.66	611	15.08	-0.42		
	Dadri GPS (4*130.19+2*154.51)	830	635	547	557	11.86	494	12.12	-0.26		
	Anta GPS (3*88.71+1*153.2)	419	419	242	233	5.34	222	5.63	-0.29		
	Auraiya GPS (4*111.19+2*109.30)	663	655	294	299	5.91	246	5.95	-0.04		
	Dadri Solar	5	1	0	0	0.01	0	0.01	0.00		
	Unchahar Solar	10	1	0	0	0.00	0	0.03	-0.03		
	Singrauli Solar	15	1	0	0	0.04	2	0.03	0.01		
	KHEP	800	655	436	0	2.73	114	2.50	0.23		
Sub Total (A)	12112	11023	7625	6827	174	7266	175	0			
B. NPC	NAPS (2*220)	440	198	221	221	4.78	199	4.75	0.03		
	RAPS- B (2*220)	440	394	439	438	9.52	397	9.46	0.07		
	RAPS- C (2*220)	440	410	459	460	10.00	416	9.84	0.16		
	Sub Total (B)	1320	1002	1119	1119	24.30	1013	24.05	0.25		
C. NHPC	Chamera I HPS (3*180)	540	540	409	0	1.84	77	1.62	0.22		
	Chamera II HPS (3*100)	300	200	205	0	1.68	70	1.57	0.11		
	Chamera III HPS (3*77)	231	229	230	0	0.96	40	0.85	0.11		
	Bairasuli HPS(3*60)	180	122	123	0	0.59	25	0.54	0.05		
	Salal-HPS (6*115)	690	156	338	120	4.56	190	3.78	0.78		
	Tanakpur-HPS (3*40)	94	26	53	28	0.77	32	0.62	0.15		
	Uri-I HPS (4*120)	480	278	333	356	7.23	301	6.65	0.58		
	Uri-II HPS (4*60)	240	163	233	171	4.16	173	3.92	0.23		
	Dhauliganga-HPS (4*70)	280	210	208	0	1.27	53	1.19	0.08		
	Dulhasti-HPS (3*130)	390	387	40	0	4.12	172	3.90	0.22		
	Sewa-II HPS (3*40)	120	119	99	0	0.43	18	0.37	0.06		
	Parbati 3 (4*130)	520	130	135	0	0.81	34	0.39	0.42		
	Sub Total (C)	4065	2560	2404	675	28	1184	25	3		
	D.SJVNL	NJPC (6*250)	1500	1605	1509	0	9.52	397	9.32	0.20	
Rampur HEP (6*68.67)		412	432	448	0	2.72	113	2.59	0.13		
Sub Total (D)		1912	2037	1957	0	12.24	510	11.91	0.33		
E. THDC	Tehri HPS (4*250)	1000	1048	786	0	6.30	262	6.20	0.10		
	Koteshwar HPS (4*100)	400	92	102	92	2.25	94	2.20	0.05		
	Sub Total (E)	1400	1140	888	92	8.55	356	8.40	0.15		
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	587	1054	380	14.40	600	14.09	0.31		
	Dehar HPS (6*165)	990	154	495	0	3.88	162	3.70	0.18		
	Pong HPS (6*66)	396	310	318	252	7.35	306	7.43	-0.07		
	Sub Total (F)	2765	1051	1867	632	25.64	1068	25.22	0.41		
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	98	0	0.62	26	0.60	0.02		
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	880	0	5.22	218	5.28	-0.05		
	Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00		
	Shree Cement TPS (2*150)	300	0	112	112	2.64	110	2.64	-0.01		
	Budhil HPS(IPP) (2*35)	70	0	75	0	0.19	8	0.19	0.00		
Sub Total (G)	1662	0	1165	112	8.68	361	8.71	-0.04			
H. Total Regional Entities (A-G)	25237	18813	17025	9457	282.21	11759	278.39	3.81			

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	210	160	3.75	156	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	105	90	2.08	87	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.12	-5	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	358	350	11.59	483	
	Talwandi Saboo (2*660)	1320	690	678	19.02	793	
	Thermal (Total)	5360	1363	1278	36.33	1514	
	Total Hydro	1000	256	264	6.74	281	
	Total Punjab	6360	1619	1542	43.08	1795	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	552	456	11.25	469	
Faridabad GPS (NTPC)		432	194	155	4.31	179	
RGTPP (khedar) (IPP) (2*600)		1200	1127	768	19.32	805	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	372	374	8.93	372	
Thermal (Total)		4944	2245	1753	43.80	1825	
Total Hydro		62	9	6	0.28	12	
Total Haryana		5006	2254	1759	44.08	1837	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	848	854	20.79	866
	suratgarh TPS (6*250)	1500	400	402	9.93	414	
	Chabra TPS (4*250)	1000	652	402	13.29	554	
	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	203	196	4.90	204	
	RAPS A (NPC) (1*100+1*200)	300	159	160	3.94	164	
	Barsingar (NLC) (2*125)	250	95	94	2.11	88	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	904	943	21.69	904	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	481	587	11.27	470	
	Kawai(Adani) (2*660)	1320	1201	1173	26.84	1118	
	Thermal (Total)	8876	4943	4811	115	4781	
	Total Hydro	550	224	202	5.05	210	
	Wind power	3214	87	296	4.56	190	
	Biomass	99	19	19	0.46	19	
	Solar	730	0	0	2.13	89	
	Renewable/Others (Total)	4043	106	315	7.15	298	
	Total Rajasthan	13469	5273	5328	126.95	5290	
	UP	Anpara TPS (3*210+2*500)	1689	1553	1359	32.90	1371
Obra TPS (2*50+2*94+5*200)		1194	457	419	9.80	408	
Paricha TPS (2*110+2*220+2*250)		1140	490	653	11.90	496	
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaganj TPS (1*60+1*105+2*250)		665	244	216	5.30	221	
Tanda TPS (NTPC) (4*110)		440	204	284	6.51	271	
Roza TPS (IPP) (4*300)		1200	218	275	6.20	258	
Anpara-C (IPP) (2*600)		1200	1087	1080	25.80	1075	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	58	81	1.70	71	
Anpara-D(1*500)		500	0	0	0.00	0	
Lalitpur TPS(1*660)		660	0	0	0.00	0	
Bara(1*660)		660	0	0	0.00	0	
Thermal (Total)		9949	4311	4367	100	4171	
Vishnuparyag HPS (IPP)(4*110)		440	108	103	2.50	104	
Alaknanda(4*82.5)		330	64	70	1.60	67	
Other Hydro		527	32	180	1.60	67	
Cogeneration		981	300	300	7.20	300	
Total UP		12227	4815	5020	113	4709	
Uttarakhand		Total Hydro	1398	129	417	6.26	261
		Total Uttarakhand	1398	129	417	6.26	261
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.12	-5	
	Delhi Gas Turbine (6x30 + 3x34)	282	38	40	0.81	34	
	Pragati Gas Turbine (2x104+ 1x122)	330	154	153	3.76	157	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	252	250	6.06	252	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.84	160	
	Thermal (Total)	2917	609	608	14.34	597	
Total Delhi	2917	609	608	14.34	597		
HP	Baspa HPS (IPP) (3*100)	300	0	30	1.34	56	
	Malana HPS (IPP) (2*43)	86	75	0	0.28	12	
	Other Hydro	878	202	121	3.55	148	
	Total HP	1264	277	151	5.18	216	
J & K	Baglihar HPS (IPP) (3*150)	450	230	230	5.56	232	
	Other Hydro/IPP	560	99	99	2.34	98	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	329	329	7.90	329	
Total State Control Area Generation		43841	15305	15154	360.80	15033	
J. Net Inter Regional Exchange [(Import +ve)/Export (-ve)]			5930	5750	169.97	7082	
Total Regional Availability(Gross)		69078	38260	30361	812.97	33874	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8530	1399	83.42	3476
State Control Area Hydro	6581	1428	1722	37	1546
Total Regional Hydro	18815	9958	3121	120.53	5022

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	
Vindhychal(HVDC B/B)	100		100		100	100	1.22	0.88	0.34
765 KV Gwalior-Agra (D/C)	2350		2094		3249	0	64.57	0.00	64.57
400 KV Zerda-Kankroli	-131		-239		51	241	0.00	2.06	-2.06
400 KV Zerda-Bhinmal	-56		-154		140	180	0.00	0.25	-0.25
220 KV Auraiya-Malanpur	-96		-106		0	106	0.00	1.62	-1.62
220 KV Badod-Kota/Morak	-4		-98		24	117	0.00	0.80	-0.80
Mundra-Mohinderorah(HVDC Bipole)	2497		2503		2509	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)	621		837		1431	0	21.71	0.00	21.71
Sub Total WR	5281		4937				147.91	5.60	142.31
Pusaull Bypass/HVDC	-278		-424		0	541	0.00	8.66	-8.66
400 KV MZP -GKP (D/C)	116		328		502	0	7.64	0.00	7.64
400 KV Patna-Balia(D/C) X 2	406		388		578	0	10.84	0.00	10.84
400 KV B'Sharif-Balia (D/C)	109		157		338	0	4.94	0.00	4.94
765 KV Gaya-Balia	148		161		229	0	2.48	0.00	2.48
765 KV Gaya-Fatehpur	131		131		471	0	5.79	0.00	5.79
220 KV Pusaull-Sahupuri	91		138		173	0	2.78	0.00	2.78
132 KV K'nasa-Sahupuri	0		0		0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-40		-35		0	40	0.00	0.84	-0.84
132 KV Garhwa-Rihand	0		0		0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	178		129		441	0	5.80	0.00	5.80
400 KV Barh -GKP (D/C)	288		340		400	0	8.04	0.00	8.04
Sub Total ER	1149		1313				49.26	9.50	39.77
+/- 800 KV BiswanathCharialli-Agra	-500		-500		0	500	0.00	12.11	-12.11
Sub Total NER	-500		-500				0.00	12.11	-12.11
Total IR Exch	5930		5750				197.18	27.20	169.97

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
25.79	0.83	26.62	4.28	-13.22	16.56	22.84	5.88	-5.88	
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
53.35	109.24	162.59	27.66	142.31	169.97	-25.70	33.08	7.38	

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	-32		-33		0	34	0	1	-0.74

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	0.28	15.23	61.68	67.92	13.11	3.81	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)
50.19	16.02	49.78	11.10	49.98	0.056	0.072	50.20	49.98

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	404	02:01	398	05:48	0.0	0.0	0.0	0.0
Gorakhpur	400	419	04:03	403	12:18	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	04:02	393	11:24	0.0	0.0	0.0	0.0
Kanpur	400	411	04:03	400	09:38	0.0	0.0	0.2	0.0
Dadri	400	424	03:41	401	09:41	0.0	0.0	21.3	0.0
Ballabgarh	400	430	03:59	406	09:37	0.0	0.0	42.8	0.0
Bawana	400	428	20:42	405	09:40	0.0	0.0	39.2	0.0
Bassi	400	426	20:41	391	09:41	0.0	0.0	10.8	0.0
Hissar	400	424	20:44	399	09:38	0.0	0.0	3.6	0.0
Moga	400	423	20:45	402	09:40	0.0	0.0	2.2	0.0
Abdullapur	400	419	23:53	386	09:40	0.0	7.8	0.0	0.0
Nalagarh	400	434	21:28	406	09:39	0.0	0.0	50.5	8.5
Kishenpur	400	427	21:01	399	18:19	0.0	0.0	12.1	0.0
Wagoora	400	409	21:01	371	18:23	5.7	37.8	0.0	0.0
Amritsar	400	429	20:45	408	09:37	0.0	0.0	52.8	0.0
Kashipur	400	420	20:42	407	11:23	0.0	0.0	0.0	0.0
Hamirpur	400	421	00:00	400	09:38	0.0	0.0	39.3	0.0
Rishikesh	400	412	20:41	376	12:19	2.7	30.7	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	776	19:56	737	06:45	0.0	6.3	0.0	0.0
Balia	765	770	04:04	744	11:23	0.0	0.0	0.0	0.0
Moga	765	809	20:44	762	07:33	0.0	0.0	4.9	0.0
Agra	765	798	20:44	746	09:40	0.0	0.0	0.0	0.0
Bhiwani	765	812	20:45	756	09:38	0.0	0.0	11.1	0.0
Unnao	765	769	04:03	735	10:10	0.0	15.2	0.0	0.0
Lucknow	765	780	04:05	742	11:23	0.0	0.0	0.0	0.0
Meerut	765	820	20:45	764	09:48	0.0	0.0	8.0	0.0
Jhatikara	765	809	03:09	762	11:16	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	803	03:56	756	12:11	0.0	0.0	0.0	0.0
Anta	765	781	19:41	756	09:39	0.0	0.0	0.0	0.0
Phagi	765	798	20:44	747	06:50	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	506.76	1396.66	503.56	1245.57	184.94	410.88
Pong	426.72	384.05	415.88	705.67	410.57	514.41	61.31	455.62
Tehri	829.79	740.04	812.55	853.28	818.85	970.25	39.30	147.00
Koteshwar	612.50	598.50	610.62	4.95	609.94	4.44	147.00	148.10
Chamera-I	760.00	748.75	759.18	0.00	0.00	0.00	57.66	49.75
Rihand	268.22	252.98	849.80	252.30	853.30	309.60	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	506.60	0.54	509.47	2.31	70.65	47.33

* 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	-670	240	0	-597	244	0	-12.55	5.34	-7.21
Delhi	-847	-32	0	-547	586	0	-15.25	11.02	-4.23
Haryana	-273	87	0	-469	270	0	-7.68	4.52	-3.16
HP	152	88	0	245	-298	0	6.01	-1.62	4.39
J&K	427	-10	0	411	-121	0	9.88	-1.18	8.70
CHD	-30	0	0	0	-80	0	-0.24	-0.32	-0.56
Rajasthan	-6	638	2	-6	629	2	9.21	17.54	26.75
UP	109	0	0	-272	0	0	-3.54	0.00	-3.54
Uttarakhand	194	242	0	194	209	0	4.66	7.27	11.93
Total	-943	1253	2	-1040	1441	2	-9.51	42.57	33.06

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-193	-670	255	142	0	0
Delhi	-543	-847	924	-73	0	0
Haryana	-259	-469	302	-264	0	0
HP	318	152	88	-738	0	0
J&K	427	391	-10	-196	0	0
CHD	0	-30	10	-80	0	0
Rajasthan	713	-6	1574	-81	2	2
UP	155	-329	0	0	0	0
Uttarakhand	194	194	494	26	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 27.11.2015 :

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 :