

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 12.11.2015
Date of Reporting : 13.11.2015

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
36519	755	37275	50.10	28739	259	28998	50.11	742.3	12.61

* 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	26.06	10.77		36.82	30.83	30.52	-0.31	67.35	0.00
Haryana	38.17	0.48		38.65	52.57	53.61	1.05	92.26	0.00
Rajasthan	105.29	5.01	9.24	119.54	61.96	64.98	3.02	184.51	0.74
Delhi	14.26			14.26	38.75	37.59	-1.15	51.85	0.53
UP	138.31	6.50		144.81	117.84	116.98	-0.86	261.79	2.07
Uttarakhand		8.63		8.63	17.59	18.16	0.56	26.79	0.00
HP		6.21		6.21	9.70	9.36	-0.34	15.57	0.00
J & K		8.76	0.00	8.76	31.24	30.46	-0.78	39.22	9.26
Chandigarh				0.00	3.27	2.97	0.27	2.97	0.00
Total	322.09	46.35	9.24	377.67	363.74	364.62	1.45	742.29	12.61

* 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	3488	0	-185	-509	2262	0	-145	-542	3593
Haryana	5226	0	4	-395	3198	0	-79	-252	5226
Rajasthan	7575	0	-268	302	7772	0	153	192	8898
Delhi	2445	212	-19	-292	1866	0	53	-694	2574
UP	13321	80	54	201	10721	0	-253	98	13608
Uttarakhand	1506	0	-46	267	926	0	35	230	1513
HP	947	0	60	-645	430	0	-6	43	947
J&K	1854	463	7	154	1469	259	-71	379	1854
Chandigarh	158	0	-36	-80	95	0	5	-30	159
Total	36519	755	-429	-996	28739	259	-307	-577	36519

* 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		
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1900	2055	1636	40.50	1687	40.20	0.30		
	Rihand I STPS (2*500)	1000	854	789	633	15.37	640	14.99	0.38		
	Rihand II STPS (2*500)	1000	959	766	709	15.96	665	15.79	0.17		
	Rihand III STPS (2*500)	1000	963	785	734	16.85	702	16.92	-0.07		
	Dadri I STPS (4*210)	840	810	169	157	3.57	149	3.78	-0.21		
	Dadri II STPS (2*490)	980	980	355	377	8.11	338	8.87	-0.76		
	Unchahar I TPS (2*210)	420	406	286	269	6.22	259	6.75	-0.53		
	Unchahar II TPS (2*210)	420	404	288	266	5.96	248	6.53	-0.58		
	Unchahar III TPS (1*220)	210	202	137	131	2.98	124	3.27	-0.29		
	ISTPP (Jhajjar) (3*500)	1500	1500	641	630	14.64	610	14.98	-0.34		
	Dadri GPS (4*130.19+2*154.51)	830	630	606	439	12.54	522	13.04	-0.50		
	Anta GPS (3*88.71+1*153.2)	419	415	251	256	6.28	262	6.55	-0.27		
	Auraiya GPS (4*111.19+2*109.30)	663	655	281	206	5.88	245	6.07	-0.19		
	Dadri Solar	5	0	0	0	0.02	1	0.02	0.00		
	Unchahar Solar	10	1	0	0	0.03	1	0.02	0.01		
	Singrauli Solar	15	1	0	0	0.04	2	0.04	0.01		
	KHEP	800	655	380	0	3.98	166	3.80	0.18		
	Sub Total (A)	12112	11336	7789	6443	159	6622	162	-3		
	B. NPC	NAPS (2*220)	440	402	441	451	9.75	406	9.65	0.10	
		RAPS- B (2*220)	440	390	435	439	9.44	394	9.36	0.08	
RAPS- C (2*220)		440	410	448	451	9.71	405	9.84	-0.13		
Sub Total (B)		1320	1202	1324	1341	28.90	1204	28.85	0.05		
C. NHPC	Chamera I HPS (3*180)	540	540	536	0	2.48	103	2.51	-0.03		
	Chamera II HPS (3*100)	300	200	206	0	1.85	77	1.77	0.09		
	Chamera III HPS (3*77)	231	229	158	0	1.13	47	1.05	0.08		
	Bairasuli HPS(3*60)	180	179	174	0	0.70	29	0.65	0.05		
	Salal-HPS (6*115)	690	214	432	330	5.86	244	5.08	0.78		
	Tanakpur-HPS (3*40)	94	33	32	30	0.84	35	0.78	0.06		
	Uri-I HPS (4*120)	480	441	356	469	10.75	448	10.50	0.24		
	Uri-II HPS (4*60)	240	238	241	242	5.75	239	5.72	0.03		
	Dhauliganga-HPS (4*70)	280	280	286	0	1.35	56	1.22	0.12		
	Dulhasti-HPS (3*130)	390	387	400	0	4.30	179	4.10	0.20		
	Sewa-II HPS (3*40)	120	119	129	0	0.65	27	0.60	0.05		
	Parbati 3 (4*130)	520	130	141	0	0.81	34	0.39	0.42		
	Sub Total (C)	4065	2989	3091	1071	36	1519	34	2		
	D.SJVNL	NJPC (6*250)	1500	1605	1628	0	10.36	432	10.37	-0.01	
		Rampur HEP (6*68.67)	412	432	444	0	2.98	124	2.88	0.10	
		Sub Total (D)	1912	2037	2072	0	13.34	556	13.25	0.09	
E. THDC	Tehri HPS (4*250)	1000	1068	1070	0	6.14	256	5.99	0.15		
	Koteshwar HPS (4*100)	400	92	103	92	2.23	93	2.20	0.03		
	Sub Total (E)	1400	1160	1173	92	8.37	349	8.19	0.18		
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	579	1049	375	14.09	587	13.89	0.20		
	Dehar HPS (6*165)	990	168	495	140	4.14	172	4.02	0.12		
	Pong HPS (6*66)	396	233	318	192	5.41	226	5.58	-0.17		
	Sub Total (F)	2765	979	1862	707	23.64	985	23.49	0.15		
	G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	113	0	0.74	31	0.69	0.05	
KARCHAM WANGTOO HPS(IPP) (4*250)		1000	0	950	0	5.74	239	5.75	0.00		
Malana Stg-II HPS (2*50)		100	0	0	0	0.27	11	0.25	0.02		
Shree Cement TPS (2*150)		300	0	261	176	5.56	231	5.53	0.02		
Budhil HPS(IPP) (2*35)		70	0	38	0	0.23	10	0.23	0.00		
Sub Total (G)		1662	0	1362	176	12.54	523	12.45	0.09		
H. Total Regional Entities (A-G)	25237	19702	18673	9830	282.18	11758	282.22	-0.04			

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	3.52	147	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	2.04	85	
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	200	201	4.66	194	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	705	705	15.83	660	
	Talwandi Saboo (2*660)	1320	0	0	0.00	0	
	Thermal (Total)	5360	1155	1156	26.06	1086	
	Total Hydro	1000	432	432	10.77	449	
	Total Punjab	6360	1587	1588	36.82	1534	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	462	451	10.78	449	
Faridabad GPS (NTPC)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	763	768	18.43	768	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	360	356	8.97	374	
Thermal (Total)		4944	1585	1575	38.17	1591	
Total Hydro		62	20	25	0.48	20	
Total Haryana		5006	1605	1600	38.65	1610	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	347	327	7.98	333
	suratgarh TPS (6*250)	1500	216	215	5.37	224	
	Chabra TPS (4*250)	1000	585	577	13.99	583	
	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	205	210	5.06	211	
	RAPS A (NPC) (1*100+1*200)	300	161	161	3.95	165	
	Barsingar (NLC) (2*125)	250	186	187	4.33	181	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	827	765	18.65	777	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	898	904	21.53	897	
	Kawai(Adani) (2*660)	1320	872	1043	24.43	1018	
	Thermal (Total)	8876	4297	4389	105	4387	
	Total Hydro	550	241	211	5.01	209	
	Wind power	3214	0	941	8.47	353	
	Biomass	99	28	28	0.67	28	
	Solar	730	2	0	0.10	4	
	Renewable/Others (Total)	4043	30	969	9.24	385	
	Total Rajasthan	13469	4568	5569	119.54	4981	
	UP	Anpara TPS (3*210+2*500)	1630	1385	1373	31.19	1300
Obra TPS (2*50+2*94+5*200)		1194	294	278	6.38	266	
Paricha TPS (2*110+2*220+2*250)		1140	624	590	14.18	591	
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaganj TPS (1*60+1*105+2*250)		665	475	492	11.76	490	
Tanda TPS (NTPC) (4*110)		440	388	378	7.73	322	
Roza TPS (IPP) (4*300)		1200	1112	1003	21.96	915	
Anpara-C (IPP) (2*600)		1200	1079	1080	25.16	1049	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	404	282	7.53	314	
Anpara-D(1*500)		500	0	0	0.00	0	
Lalitpur TPS(1*660)		660	415	417	10.01	417	
Bara(1*660)		660	0	0	0.00	0	
Thermal (Total)		9949	6176	5893	136	5663	
Vishnuparyag HPS (IPP)(4*110)		440	117	112	2.79	116	
Alaknanda(4*82.5)		330	81	73	1.87	78	
Other Hydro		527	219	30	1.85	77	
Cogeneration		981	100	100	2.40	100	
Total UP		12227	6693	6208	145	6034	
Uttarakhand		Total Hydro	1398	541	269	8.63	360
		Total Uttarakhand	1398	541	269	8.63	360
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	39	25	0.91	38	
	Pragati Gas Turbine (2x104+ 1x122)	330	157	149	3.69	154	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	252	251	6.04	252	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.61	151	
	Thermal (Total)	2917	613	590	14.26	594	
	Total Delhi	2917	613	590	14.26	594	
HP	Baspa HPS (IPP) (3*100)	300	85	0	1.74	73	
	Malana HPS (IPP) (2*43)	86	48	0	0.31	13	
	Other Hydro	878	178	149	4.16	173	
	Total HP	1264	311	149	6.21	259	
J & K	Baglihar HPS (IPP) (3*150)	450	300	230	5.94	248	
	Other Hydro/IPP	560	112	123	2.82	117	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	412	353	8.76	365	
Total State Control Area Generation		43841	16330	16326	377.67	15736	
J. Net Inter Regional Exchange [(Import +ve)/Export (-ve)]			4924	4024	102.15	4256	
Total Regional Availability(Gross)		69078	39927	30180	762.01	31750	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9641	1870	92.54	3856
State Control Area Hydro	6581	2374	1654	46	1931
Total Regional Hydro	18815	12015	3524	138.89	5787

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)	-50	-50	0	150	0.00	1.60	-1.60
765 KV Gwalior-Agra (D/C)	1898	1992	2738	0	44.93	0.00	44.93
400 KV Zerda-Kankroli	-159	-164	0	197	0.00	3.70	-3.70
400 KV Zerda-Bhinmal	-95	-118	78	150	0.00	1.95	-1.95
220 KV Auraiya-Malanpur	-83	-103	0	140	0.00	2.39	-2.39
220 KV Badod-Kota/Morak	-46	-68	12	91	0.00	1.77	-1.77
Mundra-Mohinderorah(HVDC Bipole)	1802	1301	1805	0	36.81	0.00	36.81
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	516	496	345	0	11.13	0.00	11.13
Sub Total WR	3783	3286			92.86	11.42	81.44
Pusaull Bypass/HVDC	50	50	50	0	1.28	0.00	1.28
400 KV MZP -GKP (D/C)	96	216	276	70	3.26	0.00	3.26
400 KV Patna-Balia(D/C) X 2	194	319	356	0	6.79	0.00	6.79
400 KV B'Sharif-Balia (D/C)	38	111	135	0	1.79	0.00	1.79
765 KV Gaya-Balia	122	170	196	0	1.78	0.00	1.78
765 KV Gaya-Fatehpur	78	-56	106	94	1.06	0.00	1.06
220 KV Pusaull-Sahupuri	171	117	171	0	3.34	0.00	3.34
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-27	-27	28	0	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	195	42	39	224	0.00	1.22	-1.22
400 KV Barh -GKP (D/C)	224	296	336	0	6.43	0.00	6.43
Sub Total ER	1141	1238			26.68	1.78	24.90
+/- 800 KV BiswanathCharialli-Agra	0	-500	0	500	0.00	4.19	-4.19
Sub Total NER	0	-500			0.00	4.19	-4.19
Total IR Exch	4924	4024			119.55	17.40	102.15

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
20.29	1.02	21.31	3.61	-17.60	3.53	3.89	6.00	-6.00	
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
34.45	62.88	97.32	20.71	81.44	102.15	-13.74	18.57	4.83	

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	-30	-31	0	33	0	1	-0.72

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	1.29	6.01	41.40	63.92	21.85	7.91	0.39	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)
50.27	17.02	49.67	18.08	50.01	0.054	0.073	50.22	49.90

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	508.35	1470.42	505.50	1325.82	220.62	391.45
Pong	426.72	384.05	417.57	781.19	412.16	566.84	55.53	328.16
Tehri	829.79	740.04	815.55	912.00	822.20	1046.00	64.41	142.00
Koteshwar	612.50	598.50	610.76	4.95	609.27	4.21	142.00	146.84
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	0.00	0.00
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	508.56	3.97	510.30	2.31	50.60	170.71

* 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	-632	90	0	-708	199	0	-12.25	4.06	-8.19
Delhi	-694	0	0	-496	204	0	-13.37	4.35	-9.01
Haryana	-319	67	0	-508	113	0	-8.73	1.10	-7.64
HP	61	-18	0	-46	-599	0	2.33	-5.55	-3.22
J&K	379	0	0	255	-101	0	7.97	-0.49	7.48
CHD	-30	0	0	0	-80	0	-0.24	-0.22	-0.46
Rajasthan	0	192	0	0	302	0	6.93	8.12	15.05
UP	98	0	0	201	0	0	-0.95	1.10	0.15
Uttarakhand	195	35	0	195	73	0	4.67	1.48	6.15
Total	-943	367	0	-1106	110	0	-13.65	13.96	0.31

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-305	-708	206	90	0	0
Delhi	-492	-694	387	0	0	0
Haryana	-304	-508	113	-322	0	0
HP	232	-193	-10	-757	0	0
J&K	379	235	0	-151	0	0
CHD	0	-30	0	-80	0	0
Rajasthan	533	0	843	175	0	0
UP	479	-314	881	0	0	0
Uttarakhand	195	195	209	19	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 12.11.2015 :

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 :