

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 19.11.2015

Date of Reporting : 20.11.2015

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
37678	2347	40026	49.95	28921	670	29591	50.15	781.2	49.40

* 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	28.91	10.91		39.82	51.78	52.30	0.52	92.12	0.00
Haryana	39.28	0.50		39.78	65.92	65.33	-0.59	105.11	0.00
Rajasthan	108.66	4.78	7.66	121.10	77.95	80.08	2.13	201.19	0.00
Delhi	14.15			14.15	44.30	44.71	0.42	58.86	0.03
UP	106.89	5.46		112.35	108.12	110.84	2.72	223.18	38.63
Uttarakhand	5.88			5.88	24.75	26.92	2.17	32.80	1.12
HP	5.56			5.56	17.46	18.22	0.76	23.78	0.01
J & K	9.67		0.00	9.67	31.31	31.12	-0.19	40.78	9.60
Chandigarh				0.00	3.37	3.38	0.27	3.38	0.00
Total	297.89	42.75	7.66	348.30	424.95	432.91	8.22	781.20	49.40

* 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	4511	0	41	-345	2861	0	132	-454	4527
Haryana	6007	0	-373	-220	3150	0	75	-225	6007
Rajasthan	8777	0	-130	148	8078	0	106	653	9701
Delhi	3215	13	92	-101	1579	4	15	-1031	3215
UP	10128	1760	-190	-278	9716	390	323	109	10443
Uttarakhand	1682	80	38	306	1135	0	160	373	1751
HP	1225	7	-40	-183	743	0	62	212	1321
J&K	1949	487	57	297	1566	276	57	339	1961
Chandigarh	183	0	-23	0	92	0	2	-30	184
Total	37678	2347	-528	-375	28921	670	933	-54	37678

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

Diversity is 1.04

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	1880	2044	1887	44.91	1871	44.69	0.22			
	Rihand I STPS (2*500)	1000	870	807	752	19.10	796	19.23	-0.13			
	Rihand II STPS (2*500)	1000	963	871	770	20.68	862	20.51	0.17			
	Rihand III STPS (2*500)	1000	970	799	713	20.96	873	21.08	-0.12			
	Dadri I STPS (4*210)	840	810	130	130	3.36	140	3.39	-0.04			
	Dadri II STPS (2*490)	980	980	319	350	7.86	328	8.23	-0.37			
	Unchahar I TPS (2*210)	420	406	316	276	6.95	289	7.58	-0.64			
	Unchahar II TPS (2*210)	420	404	266	267	6.31	263	6.98	-0.67			
	Unchahar III TPS (1*220)	210	202	125	135	3.13	131	3.49	-0.36			
	ISTPP (Jhajjar) (3*500)	1500	1494	852	618	14.32	597	14.93	-0.62			
	Dadri GPS (4*130.19+2*154.51)	830	630	546	551	12.11	504	12.37	-0.26			
	Anta GPS (3*88.71+1*153.2)	419	420	226	197	5.10	212	5.64	-0.54			
	Auraiya GPS (4*111.19+2*109.30)	663	653	294	297	5.96	248	6.05	-0.09			
	Dadri Solar	5	1	0	0	0.02	1	0.02	-0.01			
	Unchahar Solar	10	1	0	0	0.03	1	0.03	0.00			
	Singrauli Solar	15	1	0	0	0.00	0	0.03	-0.03			
	KHEP	800	655	647	0	4.04	168	3.60	0.44			
Sub Total (A)	12112	11342	8242	6943	175	7284	178	-3				
B. NPC	NAPS- (2*220)	440	200	223	222	4.78	199	4.80	-0.02			
	RAPS- B (2*220)	440	397	224	443	6.87	286	9.53	-2.66			
	RAPS- C (2*220)	440	410	458	454	9.92	413	9.84	0.08			
	Sub Total (B)	1320	1007	905	1119	21.57	899	24.17	-2.60			
C. NHPC	Chamera I HPS (3*180)	540	540	228	0	2.40	100	2.20	0.20			
	Chamera II HPS (3*100)	300	222	201	0	1.54	64	1.45	0.09			
	Chamera III HPS (3*77)	231	229	234	0	1.05	44	0.95	0.10			
	Bairasuli HPS (3*60)	180	122	125	0	0.70	29	0.65	0.05			
	Salal-HPS (6*115)	690	182	338	130	5.10	212	4.37	0.72			
	Tanakpur-HPS (3*40)	94	28	28	29	0.78	33	0.68	0.10			
	Uri-I HPS (4*120)	480	399	435	404	10.03	418	9.59	0.44			
	Uri-II HPS (4*60)	240	232	242	241	5.58	233	5.58	0.01			
	Dhauliganga-HPS (4*70)	280	280	277	0	1.20	50	1.10	0.10			
	Dulhasti-HPS (3*130)	390	387	394	0	4.22	176	4.00	0.22			
	Sewa-II HPS (3*40)	120	119	125	0	0.56	23	0.50	0.06			
	Parbati 3 (4*130)	520	130	131	0	0.81	34	0.65	0.16			
	Sub Total (C)	4065	2871	2758	804	34	1415	32	2			
	D.SJVNL	NJPC (6*250)	1500	1605	1597	0	9.57	399	9.46	0.10		
		Rampur HEP (6*68.67)	412	432	372	0	2.66	111	2.63	0.03		
		Sub Total (D)	1912	2037	1969	0	12.23	509	12.10	0.13		
	E. THDC	Tehri HPS (4*250)	1000	1068	1068	0	6.43	268	6.20	0.23		
Koteshwar HPS (4*100)		400	92	100	91	2.22	92	2.20	0.02			
Sub Total (E)		1400	1160	1168	91	8.65	360	8.40	0.25			
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	551	1025	352	13.45	560	13.23	0.22			
	Dehar HPS (6*165)	990	164	495	140	4.12	172	3.94	0.19			
	Pong HPS (6*66)	396	198	318	126	4.63	193	4.75	-0.12			
	Sub Total (F)	2765	913	1838	618	22.21	925	21.92	0.28			
	G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	25	0	0.62	26	0.59	0.02		
KARCHAM WANGTOO HPS(IPP) (4*250)		1000	0	650	0	5.26	219	5.28	-0.02			
Malana Stg-II HPS (2*50)		100	0	0	0	0.00	0	0.00	0.00			
Shree Cement TPS (2*150)		300	0	261	258	6.17	257	6.23	-0.06			
Budhil HPS(IPP) (2*35)		70	0	0	0	0.23	10	0.23	0.00			
Sub Total (G)		1662	0	936	258	12.28	511	12.33	-0.06			
H. Total Regional Entities (A-G)	25237	19329	17815	9833	285.70	11904	288.50	-2.80				

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	170	0	0.87	36	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	2.03	84	
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	200	204	4.21	176	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	354	352	11.67	486	
	Talwandi Saboo (2*660)	1320	460	362	10.13	422	
	Thermal (Total)	5360	1274	1008	28.91	1205	
	Total Hydro	1000	486	393	10.91	455	
	Total Punjab	6360	1760	1401	39.82	1659	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	549	457	11.14	464	
Faridabad GPS (NTPC)		432	411	317	8.41	350	
RGTPP (khedar) (IPP) (2*600)		1200	577	383	10.07	420	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	561	374	9.66	403	
Thermal (Total)		4944	2098	1531	39.28	1637	
Total Hydro		62	17	18	0.50	21	
Total Haryana		5006	2115	1549	39.78	1657	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	996	833	22.94	956
	suratgarh TPS (6*250)	1500	403	412	10.07	419	
	Chabra TPS (4*250)	1000	646	580	15.24	635	
	Dholpur GPS (3*110)	330	91	91	2.24	93	
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	30	208	2.47	103	
	RAPS A (NPC) (1*100+1*200)	300	157	127	3.97	165	
	Barsingar (NLC) (2*125)	250	95	96	2.06	86	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	482	482	11.50	479	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	560	447	10.10	421	
	Kawai(Adani) (2*660)	1320	1197	1173	28.07	1169	
	Thermal (Total)	8876	4657	4449	109	4527	
	Total Hydro	550	241	173	4.78	199	
	Wind power	3214	71	529	6.68	278	
	Biomass	99	27	27	0.66	27	
	Solar	730	6	0	0.32	13	
	Renewable/Others (Total)	4043	104	556	7.66	319	
	Total Rajasthan	13469	5002	5178	121.10	5046	
	UP	Anpara TPS (3*210+2*500)	1669	1382	1368	32.80	1367
Obra TPS (2*50+2*94+5*200)		1194	275	275	7.00	292	
Paricha TPS (2*110+2*220+2*250)		1140	623	623	14.50	604	
Panki TPS (2*105)		210	0	68	1.20	50	
Harduaganj TPS (1*60+1*105+2*250)		665	551	533	11.50	479	
Tanda TPS (NTPC) (4*110)		440	284	273	7.74	322	
Roza TPS (IPP) (4*300)		1200	194	194	4.91	204	
Anpara-C (IPP) (2*600)		1200	1082	1080	23.51	980	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	57	57	1.34	56	
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	4448	4471	104	4354	
Vishnuparyag HPS (IPP)(4*110)		440	117	112	2.72	113	
Alaknanda(4*82.5)		330	67	67	1.76	73	
Other Hydro		527	47	50	0.98	41	
Cogeneration		981	100	100	2.40	100	
Total UP		12227	4779	4800	112	4681	
Uttarakhand		Total Hydro	1398	442	123	5.88	245
		Total Uttarakhand	1398	442	123	5.88	245
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1	
	Delhi Gas Turbine (6x30 + 3x34)	282	38	38	0.94	39	
	Pragati Gas Turbine (2x104+ 1x122)	330	155	153	3.73	156	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	257	248	6.02	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.47	144	
	Thermal (Total)	2917	615	604	14.15	590	
	Total Delhi	2917	615	604	14.15	590	
HP	Baspa HPS (IPP) (3*100)	300	28	28	1.42	59	
	Malana HPS (IPP) (2*43)	86	75	0	0.35	15	
	Other Hydro	878	219	130	3.79	158	
	Total HP	1264	322	158	5.56	232	
J & K	Baglihar HPS (IPP) (3*150)	450	290	290	6.96	290	
	Other Hydro/IPP	560	109	117	2.71	113	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	399	407	9.67	403	
Total State Control Area Generation		43841	15434	14220	348.30	14512	
J. Net Inter Regional Exchange [(Import +ve)/Export (-ve)]			6018	6555	164.66	6861	
Total Regional Availability(Gross)		69078	39267	30608	798.66	33277	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9054	1513	86.95	3623
State Control Area Hydro	6581	2138	1501	43	1781
Total Regional Hydro	18815	11192	3014	129.70	5404

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		50	50	1.07	0.14	0.93
765 KV Gwalior-Agra (D/C)	2184		2417		2957	0	59.33	0.00	59.33
400 KV Zarda-Kankroli	-99		-189		28	225	0.00	2.48	-2.48
400 KV Zarda-Bhinmal	50		-92		156	180	0.15	0.00	0.15
220 KV Auraiya-Malanpur	-107		-106		0	138	0.00	2.13	-2.13
220 KV Badod-Kota/Morak	-85		-23		9	65	0.00	1.39	-1.39
Mundra-Mohinderorah(HVDC Bipole)	2503		2298		2509	0	57.38	0.00	57.38
400 KV Vindhyachal - Rihand	0		0		0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	759		811		624	0	22.98	0.00	22.98
Sub Total WR	5255		5166				140.91	6.15	134.76
Pusaull Bypass/HVDC	350		350		350	0	8.57	0.00	8.57
400 KV MZP -GKP (D/C)	44		256		450	46	5.81	0.00	5.81
400 KV Patna-Balia(D/C) X 2	240		364		453	0	9.27	0.00	9.27
400 KV B'Sharif-Balia (D/C)	-25		95		169	69	1.95	0.00	1.95
765 KV Gaya-Balia	75		194		214	0	1.93	0.00	1.93
765 KV Gaya-Fatehpur	17		88		325	0	4.13	0.00	4.13
220 KV Pusaull-Sahupuri	116		143		152	0	2.88	0.00	2.88
132 KV K'nasa-Sahupuri	0		0		0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-26		-20		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	156		79		168	170	0.13	0.00	0.13
400 KV Barh -GKP (D/C)	316		340		366	0	7.72	0.00	7.72
Sub Total ER	1263		1889				42.85	0.58	42.27
+/- 800 KV BiswanathCharialli-Agra	-500		-500		0	500	0.00	12.37	-12.37
Sub Total NER	-500		-500				0.00	12.37	-12.37
Total IR Exch	6018		6555				183.76	19.10	164.66

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
29.10	0.92	30.02	4.17	-16.61	11.69	18.90	5.94	-5.94	
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	
51.80	104.11	155.91	29.90	134.76	164.66	-21.91	30.65	8.74	

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	-29		-29		0	33	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	0.00	1.09	10.60	48.02	63.76	18.08	7.94	0.31	0.00

----- Frequency (Hz) ----->				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN (Hz)
50.23	13.03	49.75	17.25	50.00	0.060	0.077	50.20	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	402	02:49	397	17:53	0.2	0.2	0.0	0.0
Gorakhpur	400	421	04:03	400	17:54	0.0	0.0	0.7	0.0
Bareilly(PG)400kV	400	422	04:03	393	14:40	0.0	0.0	0.5	0.0
Kanpur	400	411	04:05	399	11:22	0.0	0.0	0.0	0.0
Dadri	400	425	04:01	402	11:22	0.0	0.0	12.6	0.0
Ballabgarh	400	431	04:01	406	11:22	0.0	0.0	40.3	0.3
Bawana	400	428	03:39	406	11:22	0.0	0.0	32.1	0.0
Bassi	400	426	21:28	394	09:12	0.0	0.0	8.1	0.0
Hissar	400	423	21:12	401	09:11	0.0	0.0	5.8	0.0
Moga	400	421	02:45	402	09:15	0.0	0.0	0.1	0.0
Abdullapur	400	423	03:39	399	18:26	0.0	0.0	6.0	0.0
Nalagarh	400	432	02:40	410	09:08	0.0	0.0	52.8	8.9
Kishenpur	400	426	02:44	396	18:14	0.0	0.0	15.5	0.0
Wagoora	400	408	02:49	368	18:26	8.9	40.8	0.0	0.0
Amritsar	400	428	00:00	165	06:43	0.0	0.0	38.1	0.0
Kashipur	400	421	04:00	408	14:38	0.0	0.0	1.2	0.0
Hamirpur	400	424	01:50	405	08:21	0.0	0.0	30.8	0.0
Rishikesh	400	416	04:03	386	11:26	0.0	8.1	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	771	20:04	734	11:21	0.0	8.5	0.0	0.0
Balia	765	778	04:05	745	11:08	0.0	0.0	0.0	0.0
Moga	765	793	02:44	759	08:55	0.0	0.0	0.0	0.0
Agra	765	790	04:04	749	09:12	0.0	0.0	0.0	0.0
Bhiwani	765	808	20:54	762	11:23	0.0	0.0	7.4	0.0
Unnao	765	770	04:05	731	11:23	0.0	20.5	0.0	0.0
Lucknow	765	785	04:05	743	14:40	0.0	0.0	0.0	0.0
Meerut	765	811	20:18	765	09:12	0.0	0.0	9.5	0.0
Jhatikara	765	811	03:44	771	11:53	0.0	0.0	32.0	0.0
Bareilly 765 kV	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Anta	765	786	21:28	749	23:17	0.0	0.0	0.0	0.0
Phagi	765	795	20:39	748	09:16	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	507.69	1440.82	504.63	1298.95	219.65	390.49
Pong	426.72	384.05	416.91	755.83	411.44	544.90	49.53	280.17
Tehri	829.79	740.04	814.10	882.26	820.75	1023.00	74.49	150.00
Koteshwar	612.50	598.50	611.07	4.95	609.30	4.21	150.00	146.08
Chamera-I	760.00	748.75	758.39	0.00	0.00	0.00	63.92	64.80
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	507.06	4.64	509.93	1.84	95.38	207.64

* 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	-679	225	0	-605	261	0	-12.77	5.85	-6.92
Delhi	-857	-174	0	-548	447	0	-15.28	8.11	-7.16
Haryana	-320	95	0	-515	296	0	-8.80	4.06	-4.74
HP	138	74	0	231	-414	0	5.69	-1.80	3.88
J&K	425	-86	0	408	-111	0	9.82	-1.36	8.46
CHD	-30	0	0	0	0	0	-0.24	-0.28	-0.53
Rajasthan	0	653	0	0	148	0	9.34	14.77	24.11
UP	109	0	0	-278	0	0	-3.76	0.00	-3.76
Uttarakhand	194	179	0	194	111	0	4.66	6.33	10.99
Total	-1020	966	0	-1113	737	0	-11.35	35.69	24.34

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-201	-679	283	176	0	0
Delhi	-544	-857	822	-179	0	0
Haryana	-306	-515	334	-195	0	0
HP	305	138	110	-660	0	0
J&K	425	389	-10	-196	0	0
CHD	0	-30	10	-80	0	0
Rajasthan	718	0	1233	-304	0	0
UP	155	-330	0	0	0	0
Uttarakhand	194	194	439	108	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 19.11.2015 :

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 :