

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 23.11.2015
Date of Reporting : 24.11.2015

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
37812	1597	39409	50.12	28017	1099	29116	50.12	781.1	42.53

* 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	41.64	9.44		51.08	39.89	39.47	-0.41	90.55	0.00
Haryana	41.49	0.43		41.92	62.12	61.53	-0.58	103.46	0.00
Rajasthan	113.83	5.61	10.49	129.93	72.61	73.50	0.89	203.43	0.00
Delhi	14.23			14.23	42.34	43.34	1.00	57.57	0.00
UP	107.63	5.90		113.53	111.10	110.83	-0.27	224.36	32.01
Uttarakhand		6.31		6.31	25.50	26.90	1.41	33.21	0.66
HP		5.26		5.26	17.77	18.07	0.30	23.33	0.00
J & K		8.89	0.00	8.89	32.89	32.96	0.07	41.85	9.86
Chandigarh				0.00	3.36	3.31	0.27	3.31	0.00
Total	318.81	41.84	10.49	371.15	407.58	409.92	2.66	781.06	42.53

* 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	4116	0	-183	-403	2701	0	-98	-449	4383
Haryana	6133	0	-93	-450	2780	0	-84	-294	6133
Rajasthan	8923	0	-109	96	7713	0	299	618	9968
Delhi	3117	0	-69	-196	1508	0	147	-1010	3117
UP	10412	995	-143	-278	9825	815	-16	103	10412
Uttarakhand	1706	105	107	393	1125	0	95	368	1706
HP	1233	0	-1	-119	667	0	47	186	1302
J&K	1989	497	37	290	1608	284	27	367	1989
Chandigarh	183	0	-12	-30	90	0	7	-30	183
Total	37812	1597	-466	-697	28017	1099	424	-142	37812

* 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	1890	2039	1902	44.94	1873	44.98	-0.03		
	Rihand I STPS (2*500)	1000	841	708	728	17.89	746	17.96	-0.07		
	Rihand II STPS (2*500)	1000	963	730	814	20.17	840	20.47	-0.30		
	Rihand III STPS (2*500)	1000	970	853	836	21.29	887	21.76	-0.46		
	Dadri I STPS (4*210)	840	610	160	151	3.48	145	3.57	-0.09		
	Dadri II STPS (2*490)	980	980	374	404	8.60	358	9.25	-0.64		
	Unchahar I TPS (2*210)	420	406	332	263	6.69	279	7.44	-0.76		
	Unchahar II TPS (2*210)	420	404	280	258	6.14	256	6.92	-0.78		
	Unchahar III TPS (1*220)	210	202	152	129	3.16	132	3.51	-0.35		
	ISTPP (Jhajjar) (3*500)	1500	1500	871	615	15.89	662	16.53	-0.64		
	Dadri GPS (4*130.19+2*154.51)	830	636	558	567	13.09	545	13.37	-0.28		
	Anta GPS (3*88.71+1*153.2)	419	419	205	203	4.92	205	5.48	-0.56		
	Auraiya GPS (4*111.19+2*109.30)	663	653	290	299	6.85	286	6.94	-0.08		
	Dadri Solar	5	0	0	0	0.00	0	0.02	-0.02		
	Unchahar Solar	10	1	0	0	0.00	0	0.02	-0.02		
	Singrauli Solar	15	1	0	0	0.00	0	0.03	-0.03		
KHEP	800	655	215	0	3.68	153	3.50	0.18			
Sub Total (A)	12112	11132	7767	7169	177	7366	182	-5			
B. NPC	NAPS (2*220)	440	198	223	223	4.78	199	4.75	0.02		
	RAPS- B (2*220)	440	390	441	440	9.46	394	9.36	0.10		
	RAPS- C (2*220)	440	410	455	459	9.90	412	9.84	0.06		
	Sub Total (B)	1320	998	1119	1122	24.14	1006	23.95	0.19		
C. NHPC	Chamera I HPS (3*180)	540	540	318	0	1.62	67	1.62	0.00		
	Chamera II HPS (3*100)	300	200	202	0	1.68	70	1.59	0.10		
	Chamera III HPS (3*77)	231	229	226	0	0.95	40	0.90	0.05		
	Bairasuli HPS(3*60)	180	122	122	0	0.64	27	0.60	0.04		
	Salal-HPS (6*115)	690	179	335	150	4.79	200	4.30	0.49		
	Tanakpur-HPS (3*40)	94	31	57	45	0.81	34	0.75	0.06		
	Uri-I HPS (4*120)	480	331	338	314	8.53	355	7.94	0.58		
	Uri-II HPS (4*60)	240	195	168	241	4.83	201	4.69	0.15		
	Dhauliganga-HPS (4*70)	280	280	280	0	1.25	52	1.15	0.10		
	Dulhasti-HPS (3*130)	390	387	402	0	4.61	192	4.34	0.27		
	Sewa-II HPS (3*40)	120	119	103	0	0.55	23	0.50	0.05		
	Parbati 3 (4*130)	520	130	133	0	0.81	34	0.39	0.42		
	Sub Total (C)	4065	2744	2683	750	31	1294	29	2		
	D.SJVNL	NJPC (6*250)	1500	1605	1605	0	8.72	363	8.61	0.11	
Rampur HEP (6*68.67)		412	432	445	0	2.51	104	2.39	0.11		
Sub Total (D)		1912	2037	2050	0	11.23	468	11.00	0.23		
E. THDC	Tehri HPS (4*250)	1000	1048	1032	0	6.10	254	6.00	0.10		
	Koteshwar HPS (4*100)	400	92	101	91	2.23	93	2.20	0.03		
	Sub Total (E)	1400	1140	1133	91	8.32	347	8.20	0.12		
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	556	1025	351	13.42	559	13.34	0.08		
	Dehar HPS (6*165)	990	160	495	0	3.75	156	3.85	-0.10		
	Pong HPS (6*66)	396	257	318	186	5.99	250	6.16	-0.17		
	Sub Total (F)	2765	973	1838	537	23.16	965	23.35	-0.19		
	Sub Total (G)	1662	0	787	110	8.42	351	8.27	0.14		
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.64	27	0.61	0.02		
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	600	0	4.93	205	4.72	0.21		
	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	110	2.62	109	2.71	-0.09		
	Budhil HPS(IPP) (2*35)	70	0	75	0	0.24	10	0.23	0.01		
Sub Total (G)	1662	0	787	110	8.42	351	8.27	0.14			
H. Total Regional Entities (A-G)	25237	19023	17377	9780	283.11	11796	285.27	-2.16			

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	3.55	148	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	2.02	84	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	205	3.52	147	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	351	351	8.98	374	
	Talwandi Saboo (2*660)	1320	1000	1003	23.57	982	
	Thermal (Total)	5360	1601	1809	41.64	1735	
	Total Hydro	1000	255	219	9.44	393	
	Total Punjab	6360	1856	2028	51.08	2128	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	189	0	2.22	92
DCRTPP (Yamuna nagar) (2*300)		600	578	465	12.02	501	
Faridabad GPS (NTPC)		432	201	205	4.94	206	
RGTPP (khedar) (IPP) (2*600)		1200	574	393	11.47	478	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	560	377	10.85	452	
Thermal (Total)		4944	2102	1440	41.49	1729	
Total Hydro		62	16	19	0.43	18	
Total Haryana		5006	2118	1459	41.92	1747	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1009	1023	24.77	1032
	suratgarh TPS (6*250)	1500	415	410	10.03	418	
	Chabra TPS (4*250)	1000	562	577	14.07	586	
	Dholpur GPS (3*110)	330	93	86	2.37	99	
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	191	192	4.67	195	
	RAPS A (NPC) (1*100+1*200)	300	159	162	3.97	165	
	Barsingar (NLC) (2*125)	250	93	94	2.13	89	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	837	573	16.84	702	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	480	477	11.50	479	
	Kawai(Adani) (2*660)	1320	922	860	23.49	979	
	Thermal (Total)	8876	4761	4454	114	4743	
	Total Hydro	550	248	291	5.61	234	
	Wind power	3214	456	349	7.92	330	
	Biomass	99	21	21	0.50	21	
	Solar	730	0	0	2.07	86	
	Renewable/Others (Total)	4043	477	370	10.49	437	
	Total Rajasthan	13469	5486	5115	129.93	5414	
	UP	Anpara TPS (3*210+2*500)	1630	1365	935	28.90	1204
Obra TPS (2*50+2*94+5*200)		1194	424	394	9.60	400	
Paricha TPS (2*110+2*220+2*250)		1140	644	638	15.30	638	
Panki TPS (2*105)		210	59	72	1.40	58	
Harduaganj TPS (1*60+1*105+2*250)		665	543	545	10.20	425	
Tanda TPS (NTPC) (4*110)		440	385	370	8.45	352	
Roza TPS (IPP) (4*300)		1200	194	275	5.80	242	
Anpara-C (IPP) (2*600)		1200	1081	1077	25.90	1079	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	58	81	1.60	67	
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	4753	4387	107	4465	
Vishnuparyag HPS (IPP)(4*110)		440	112	108	2.60	108	
Alaknanda(4*82.5)		330	73	74	1.70	71	
Other Hydro		527	37	26	1.60	67	
Cogeneration		981	200	200	0.48	20	
Total UP		12227	5175	4795	114	4730	
Uttarakhand		Total Hydro	1398	447	165	6.31	263
		Total Uttarakhand	1398	447	165	6.31	263
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1	
	Delhi Gas Turbine (6x30 + 3x34)	282	41	41	0.92	39	
	Pragati Gas Turbine (2x104+ 1x122)	330	155	155	3.75	156	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	253	250	6.10	254	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.46	144	
	Thermal (Total)	2917	614	611	14.23	593	
Total Delhi	2917	614	611	14.23	593		
HP	Baspa HPS (IPP) (3*100)	300	31	31	1.55	64	
	Malana HPS (IPP) (2*43)	86	45	0	0.34	14	
	Other Hydro	878	180	89	3.38	141	
	Total HP	1264	256	120	5.26	219	
J & K	Baglihar HPS (IPP) (3*150)	450	260	260	6.24	260	
	Other Hydro/IPP	560	104	115	2.65	111	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	364	375	8.89	371	
Total State Control Area Generation		43841	16316	14668	371.15	15464	
J. Net Inter Regional Exchange [(Import +ve)/Export (-ve)]			4922	5080	143.20	5967	
Total Regional Availability(Gross)		69078	38615	29527	797.46	33228	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8519	1378	83.01	3459
State Control Area Hydro	6581	1808	1397	42	1744
Total Regional Hydro	18815	10327	2775	124.85	5202

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)	-150	-150	0	150	0.00	3.68	-3.68
765 KV Gwalior-Agra (D/C)	2063	2140	2837	0	56.38	0.00	56.38
400 KV Zerda-Kankroli	-146	-125	55	229	0.00	1.76	-1.76
400 KV Zerda-Bhinmal	87	15	152	161	0.43	0.00	0.43
220 KV Auraiya-Malanpur	-124	-110	0	137	0.00	2.31	-2.31
220 KV Badod-Kota/Morak	-109	-103	0	145	0.00	2.66	-2.66
Mundra-Mohinderorah(HVDC Bipole)	2202	1398	2206	0	45.35	0.00	45.35
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	805	827	1223	0	23.47	0.00	23.47
Sub Total WR	4628	3892			125.63	10.41	115.21
Pusaull Bypass/HVDC	350	350	350	0	8.54	0.00	8.54
400 KV MZP -GKP (D/C)	20	280	422	30	5.47	0.00	5.47
400 KV Patna-Balia(D/C) X 2	191	370	434	0	8.31	0.00	8.31
400 KV B'Sharif-Balia (D/C)	-97	92	188	104	1.45	0.00	1.45
765 KV Gaya-Balia	64	97	211	0	1.56	0.00	1.56
765 KV Gaya-Fatehpur	63	99	383	0	4.67	0.00	4.67
220 KV Pusaull-Sahupuri	99	162	162	0	2.80	0.00	2.80
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-20	-24	0	29	0.00	0.57	-0.57
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-122	-60	216	151	0.52	0.00	0.52
400 KV Barh -GKP (D/C)	246	322	380	0	7.49	0.00	7.49
Sub Total ER	794	1688			40.81	0.57	40.24
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500	0.00	12.25	-12.25
Sub Total NER	-500	-500			0.00	12.25	-12.25
Total IR Exch	4922	5080			166.44	23.24	143.20

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
28.22	0.75	28.97	3.89	-14.71	3.89	21.07	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	
42.63	98.34	140.97	27.99	115.21	143.20	-14.65	16.88	2.23	

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	32	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	0.17	6.78	38.77	61.26	23.68	8.31	0.08	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)
50.22	13.03	49.76	16.11	50.01	0.050	0.069	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	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	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	507.23	1411.35	504.15	1272.20	202.72	395.59
Pong	426.72	384.05	416.47	730.66	410.97	524.54	50.89	363.36
Tehri	829.79	740.04	813.30	868.27	819.85	999.26	72.57	141.00
Koteshwar	612.50	598.50	610.57	4.69	608.98	4.10	141.00	146.44
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	0.00	0.00
Rihand	268.22	252.98	850.10	257.10	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	506.51	1.15	509.76	1.40	56.23	114.98

* 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	-673	224	0	-599	197	0	-12.62	4.55	-8.07
Delhi	-927	-83	0	-547	351	0	-15.54	6.72	-8.82
Haryana	-322	28	0	-517	67	0	-8.84	-0.32	-9.16
HP	152	35	0	245	-364	0	6.01	-2.81	3.19
J&K	427	-60	0	411	-121	0	9.88	-1.16	8.72
CHD	-30	0	0	0	-30	0	-0.24	-0.20	-0.44
Rajasthan	0	616	2	0	94	2	9.34	13.91	23.25
UP	103	0	0	-278	0	0	-3.95	0.00	-3.95
Uttarakhand	194	174	0	194	198	0	4.66	7.01	11.68
Total	-1077	933	2	-1091	393	2	-11.32	27.71	16.39

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-196	-673	233	131	0	0
Delhi	-518	-927	681	-138	0	0
Haryana	-307	-517	273	-625	0	0
HP	318	152	35	-733	0	0
J&K	427	391	-10	-171	0	0
CHD	0	-30	20	-66	0	0
Rajasthan	719	0	1283	-608	2	2
UP	156	-346	0	0	0	0
Uttarakhand	194	194	488	46	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 23.11.2015 :
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 :