

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसईड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO188682

Power Supply Position in Northern Region for 30.12.2015
Date of Reporting : 31.12.2015

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
39957	1238	41195	0.00	29891	372	30264	0.00	830.5	42.19

* 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:

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	Renewables/others \$	Total					
Punjab	50.06	11.49		61.56	33.69	32.76	-0.93	94.32	0.00
Haryana	52.84	0.34		53.18	58.60	57.21	-1.39	110.39	0.00
Rajasthan	136.71	4.89	6.13	147.73	71.36	74.52	3.17	222.25	1.16
Delhi	13.96			13.96	48.09	49.64	1.56	63.60	0.03
UP	127.88	5.20		133.08	96.89	97.44	0.55	230.51	31.31
Uttarakhand		10.00		10.00	23.40	24.84	1.44	34.85	0.58
HP		3.84		3.84	21.41	22.08	0.67	25.92	0.12
J & K		5.33	0.00	5.33	36.33	39.72	3.39	45.05	9.00
Chandigarh				0.00	3.61	3.66	0.27	3.66	0.00
Total	381.44	41.09	6.13	428.66	393.38	401.88	8.72	830.54	42.19

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

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

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	4494	0	172	-807	2743	0	-129	-351	5070
Haryana	6203	0	67	-151	3241	0	-211	-142	6203
Rajasthan	10100	0	28	531	8805	0	205	688	10241
Delhi	3262	3	13	-6	1629	0	347	-1324	3592
UP	11012	735	20	-292	9931	110	186	109	11012
Uttarakhand	1770	75	-125	533	1193	0	80	340	1776
HP	1226	0	-100	476	773	0	74	262	1416
J&K	1700	425	71	840	1486	180	262	654	1865
Chandigarh	190	0	-8	0	90	0	4	-30	216
Total	39957	1238	138	1124	29891	372	737	206	39957

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

\$ figures may not be at simultaneous hour.

Diversity is 1.04

III. Regional Entities :

A. NTPC	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
	Singrauli STPS (5*200+2*500)	2000	1032	1531	1064	26.02	1084	23.93	2.09
	Rihand I STPS (2*500)	1000	861	828	812	19.28	803	19.09	0.19
	Rihand II STPS (2*500)	1000	959	961	870	22.15	923	21.15	1.00
	Rihand III STPS (2*500)	1000	974	910	879	22.27	928	21.85	0.42
	Dadri I STPS (4*210)	840	810	384	337	7.97	332	8.34	-0.37
	Dadri II STPS (2*490)	980	980	457	445	10.00	417	10.91	-0.91
	Unchahar I TPS (2*210)	420	406	364	341	8.57	357	8.57	0.00
	Unchahar II TPS (2*210)	420	404	308	328	8.03	334	7.94	0.09
	Unchahar III TPS (1*220)	210	202	177	153	4.11	171	4.03	0.09
	ISTPP (Jhajjar) (3*500)	1500	1500	968	612	15.63	651	15.96	-0.33
	Dadri GPS (4*130.19+2*154.51)	830	813	249	442	9.04	377	8.65	0.39
	Anta GPS (3*88.71+1*153.2)	419	420	-1	-2	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	661	200	240	5.58	233	5.69	-0.10
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	1	0	0	0.02	1	0.03	0.00
	Singrauli Solar	15	2	0	0	0.05	2	0.05	0.00
	KHEP	800	870	0	0	2.63	110	2.61	0.02
	Sub Total (A)	12112	10896	7336	6521	161	6724	159	3
B. NPC	NAPS (2*220)	440	397	433	433	9.58	399	9.53	0.05
	RAPS- B (2*220)	440	400	438	444	9.56	398	9.60	-0.04
	RAPS- C (2*220)	440	425	451	457	9.83	410	10.20	-0.37
	Sub Total (B)	1320	1222	1322	1334	28.97	1207	29.33	-0.36
C. NHPC	Chamera I HPS (3*180)	540	540	553	0	1.88	78	1.62	0.26
	Chamera II HPS (3*100)	300	300	303	0	1.19	49	1.00	0.18
	Chamera III HPS (3*77)	231	175	220	0	0.68	28	0.55	0.13
	Bairasuli HPS(3*60)	180	179	124	0	0.55	23	0.50	0.05
	Salal-HPS (6*115)	690	141	230	125	3.46	144	3.06	0.40
	Tanakpur-HPS (3*40)	94	17	28	15	0.57	24	0.41	0.16
	Uri-I HPS (4*120)	480	176	209	209	4.67	195	4.25	0.42
	Uri-II HPS (4*60)	240	108	82	86	2.78	116	2.60	0.18
	Dhauliganga-HPS (4*70)	280	210	210	0	0.89	37	0.77	0.12
	Dulhasti-HPS (3*130)	390	386	392	0	2.76	115	2.70	0.06
	Sewa-II HPS (3*40)	120	119	125	0	0.44	19	0.37	0.08
	Parbati 3 (4*130)	520	0	0	0	0.81	34	0.00	0.81
	Sub Total (C)	4065	2352	2477	435	21	862	18	3
D.SJVNL	NJPC (6*250)	1500	1350	1165	0	7.29	304	7.05	0.24
	Rampur HEP (6*68.67)	412	344	332	0	2.03	85	1.90	0.13
	Sub Total (D)	1912	1694	1497	0	9.32	388	8.95	0.37
E. THDC	Tehri HPS (4*250)	1000	980	974	0	8.61	359	8.40	0.21
	Koteshwar HPS (4*100)	400	125	303	90	3.09	129	3.01	0.08
	Sub Total (E)	1400	1105	1277	90	11.70	487	11.41	0.29
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	621	1100	377	15.19	633	14.90	0.29
	Dehar HPS (6*165)	990	137	495	0	3.32	138	3.28	0.04
	Pong HPS (6*66)	396	239	384	60	5.70	237	5.74	-0.04
	Sub Total (F)	2765	997	1979	437	24.21	1009	23.92	0.29
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	12	0	0.47	20	0.45	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	4.05	169	3.84	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	263	203	5.81	242	5.57	0.24
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.15	-0.15
	Sub Total (G)	1662	0	905	203	10.33	430	10.01	0.32
H. Total Regional Entities (A-G)		25237	18266	16793	9021	266.58	11107	260.26	6.31

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	420	366	7.77	324
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	504	456	9.72	405
	Goindwal(GVK)	0	0	0	0.00	0
	Raipur (2*700)	1400	722	707	23.00	958
	Talwandi Saboo (2*660)	1320	350	350	9.59	400
	Thermal (Total)	5360	1996	1679	50.06	2086
	Total Hydro	1000	532	480	11.49	479
	Total Punjab	6360	2528	2359	61.56	2565
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	547	458	12.09	504
Faridabad GPS (NTPC)		432	395	154	6.42	267
RGTPP (kheadar) (IPP) (2*600)		1200	555	375	11.30	471
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	1110	739	23.03	960
Thermal (Total)		4944	2607	1726	52.84	2201
Total Hydro		62	11	11	0.34	14
Total Haryana		5006	2618	1737	53.18	2216
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	715	718	17.61
	suratgarh TPS (6*250)	1500	590	616	15.30	638
	Chabra TPS (4*250)	1000	651	670	15.73	656
	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	211	214	5.27	220
	RAPS A (NPC) (1*100+1*200)	300	165	166	4.14	173
	Barsingsar (NLC) (2*125)	250	166	165	3.70	154
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	841	961	20.23	843
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1149	1165	26.09	1087
	Kawai(Adani) (2*660)	1320	1185	1204	28.64	1194
	Thermal (Total)	8876	5673	5879	137	5696
	Total Hydro	550	200	203	4.89	204
	Wind power	3214	299	54	5.46	228
	Biomass	99	28	28	0.67	28
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	327	82	6.13	255
	Total Rajasthan	13469	6200	6164	147.73	6155
	UP	Anpara TPS (3*210+2*500)	1630	925	932	22.10
Obra TPS (2*50+2*94+5*200)		1194	473	486	11.40	475
Paricha TPS (2*110+2*220+2*250)		1140	896	891	21.10	879
Panki TPS (2*105)		210	0	0	0.00	0
Harduaganj TPS (1*80+1*105+2*250)		665	417	443	10.60	442
Tanda TPS (NTPC) (4*110)		440	382	375	8.98	374
Roza TPS (IPP) (4*300)		1200	554	554	12.70	529
Anpara-C (IPP) (2*600)		1200	810	797	19.10	796
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0
Anpara-D(1*500)		500	0	0	0.00	0
Lalitpur TPS(1*660)		660	0	0	0.00	0
Bara(1*660)		660	302	0	2.70	113
Thermal (Total)		9949	4759	4478	109	4528
Vishnuparyag HPS (IPP)(4*110)		440	80	79	1.90	79
Alakanada(4*82.5)		330	51	55	1.10	46
Other Hydro		527	61	104	2.20	92
Cogeneration		981	800	800	19.20	800
Total UP		12227	5751	5516	133	5545
Uttarakhand		Total Hydro	1398	706	333	10.00
	Total Uttarakhand	1398	706	333	10.00	417
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	32	33	0.86	36
	Prahati Gas Turbine (2x104+ 1x122)	330	139	142	3.38	141
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	252	6.06	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	164	169	3.67	153
	Thermal (Total)	2917	588	595	13.96	582
	Total Delhi	2917	588	595	13.96	582
HP	Baspa HPS (IPP) (3*100)	300	0	32	1.13	47
	Malana HPS (IPP) (2*43)	86	42	0	0.22	9
	Other Hydro	878	142	68	2.49	104
	Total HP	1264	184	100	3.84	160
J & K	Badlihar HPS (IPP) (3*150)	450	142	142	3.42	143
	Other Hydro/IPP	560	99	58	1.90	79
	Gas/Diesel/Other	190	0	0	0.00	0
	Total J & K	1200	241	200	5.33	222
Total State Control Area Generation		43841	18816	17004	428.66	17861
J. Net Inter Regional Exchange [import(+ve)/Export(-ve)]			6714	6329	166.56	6940
Total Regional Availability(Gross)		69078	42323	32354	861.80	35908

IV. Total Hydro Generation:

Regional Entities Hydro	12234	7872	962	73.06	3044
State Control Area Hydro	6581	2066	1565	41	1712
Total Regional Hydro	18815	9938	2527	114.15	4756

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	150	50	0.97	0.79	0.19
765 KV Gwalior-Agra (D/C)	2620	2374	3227	0	66.88	0.00	66.88
400 KV Zarda-Kankrol	-123	-222	37	252	0.00	2.50	-2.50
400 KV Zarda-Bhimtal	-30	-132	151	178	0.00	0.38	-0.38
220 KV Auraiya-Malanpur	-74	-67	0	86	0.00	1.54	-1.54
220 KV Badod-Kota/Morak	32	-7	30	42	0.13	0.00	0.13
Mundra-Mohindergarh(HVDC Bipole)	2497	2505	2507	0	59.77	0.00	59.77
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	788	617	539	0	20.51	0.00	20.51
Sub Total WR	5760	5118			148.26	5.21	143.05
Pusauli Bypass/HVDC	400	400	400	0	9.05	0.00	9.05
400 KV MZP- GKP (D/C)	376	400	88	460	0.00	3.09	-3.09
400 KV Patna-Balia(D/C) X 2	342	461	848	0	13.29	0.00	13.29
400 KV B'Sharif-Balia (D/C)	-147	29	76	160	0.00	0.55	-0.55
765 KV Gaya-Balia	125	223	263	0	2.40	0.00	2.40
765 KV Gaya-Fatehpur	87	140	360	0	4.63	0.00	4.63
220 KV Pusauli-Sahupuri	117	150	171	0	3.29	0.00	3.29
132 KV N'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-28	-24	0	28	0.00	0.55	-0.55
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-198	-92	97	198	0.00	1.51	-1.51
400 KV Barh -GKP (D/C)	380	384	436	0	8.10	0.00	8.10
Sub Total ER	1454	1711			41.23	5.70	35.53
+/- 800 KV BiswanathChariali-Agra	-500	-500	0	500	0.00	12.02	-12.02
Sub Total NER	-500	-500			0.00	12.02	-12.02
Total IR Exch	6714	6329			189.50	22.94	166.56

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	Through ER	Through WR	Through ER	Through WR
32.78	0.35	33.14	1.74	-12.39	11.81	26.10	6.03	-6.03
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
52.71	101.26	153.98	23.51	143.05	166.56	-29.21	41.79	12.58

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	-0.77

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	1.52	6.79	34.27	65.03	57.42	5.89	2.57	0.10	NA

←----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz	(Hz)	(Hz)			
50.21	5.03	49.59	7.47	49.93	0.127	0.091	0.00	0.00	42.58

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	404	01:08	394	16:17	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	412	22:03	400	11:37	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	424	05:01	396	16:05	0.0	0.0	2.6	0.0	2.6
Kanpur	400	411	05:01	401	11:36	0.0	0.0	0.2	0.0	0.2
Dadri	400	428	05:01	402	11:35	0.0	0.0	25.8	0.0	25.8
Ballaabgarh	400	432	01:59	406	11:34	0.0	0.0	40.4	7.3	40.4
Bawana	400	428	01:52	406	11:34	0.0	0.0	37.3	0.0	37.3
Bassi	400	424	05:01	389	11:42	0.0	0.0	4.1	0.0	4.1
Hissar	400	422	21:54	398	11:35	0.0	0.0	1.4	0.0	1.4
Moga	400	420	01:47	402	11:37	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	427	21:31	408	11:34	0.0	0.0	29.6	0.0	29.6
Nalagarh	400	434	01:53	411	11:36	0.0	0.0	58.8	21.9	58.8
Kishenpur	400	423	01:51	398	18:35	0.0	0.0	10.8	0.0	10.8
Wagoora	400	396	13:02	369	18:24	40.4	79.7	0.0	0.0	40.4
Amritsar	400	428	01:01	410	11:34	0.0	0.0	41.9	0.0	41.9
Kashipur	400	423	04:59	412	17:50	0.0	0.0	9.9	0.0	9.9
Hamirpur	400	425	01:49	404	10:15	0.0	0.0	41.2	0.0	41.2
Rishikesh	400	423	05:00	398	11:36	0.0	0.0	3.2	0.0	3.2

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	772	19:59	737	11:37	0.0	3.3	0.0	0.0	0.0
Balia	765	767	05:01	738	11:37	0.0	4.8	0.0	0.0	0.0
Moga	765	801	20:00	767	11:35	0.0	0.0	0.0	0.0	0.0
Agra	765	792	21:54	751	08:33	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	05:00	766	11:34	0.0	0.0	19.5	0.0	19.5
Unnao	765	773	05:02	736	11:37	0.0	33.7	0.0	0.0	0.0
Lucknow	765	788	05:02	752	11:37	0.0	0.0	0.0	0.0	0.0
Meerut	765	809	19:59	769	11:37	0.0	0.0	9.8	0.0	9.8
Jhatikara	765	809	01:59	765	11:37	0.0	0.0	26.6	0.0	26.6
Bareilly 765 kV	765	795	05:01	751	14:39	0.0	0.0	0.0	0.0	0.0
Anta	765	781	04:59	755	11:38	0.0	0.0	0.0	0.0	0.0
Phagi	765	791	05:02	744	11:38	0.0	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	501.12	1140.31	497.93	1018.16	164.89	442.08
Pong	426.72	384.05	411.34	544.90	405.54	361.16	86.28	370.53
Tehri	829.79	740.04	802.95	665.00	810.30	806.00	76.06	223.00
Koteswar	612.50	598.50	610.40	4.69	610.08	4.69	223.00	203.32
Chamera-I	760.00	748.75	758.49	0.00	0.00	0.00	49.51	50.39
Rihand	268.22	252.98	849.40	245.90	851.90	286.30	0.00	0.00
RPS	352.80	343.81	0.00	0.00	0.00	0.00	0.00	0.00
Jawahar Sagar	296.70	295.78	0.00	0.00	0.00	0.00	0.00	0.00
RSD	527.91	487.91	498.24	4.47	506.84	1.61	51.81	184.26

* 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	-727	376	0	-1114	308	0	-18.70	8.19	-10.51
Delhi	-1125	-199	0	-607	601	0	-17.09	8.54	-8.55
Haryana	-393	252	0	-366	215	0	-9.13	5.53	-3.60
HP	215	46	0	429	47	0	10.43	-1.91	8.52
J&K	654	0	0	668	172	0	14.63	0.38	15.01
CHD	-30	0	0	0	0	0	-0.24	0.14	-0.10
Rajasthan	-7	693	2	-7	536	2	8.57	14.62	23.19
UP	109	0	0	-292	0	0	-3.53	0.00	-3.53
Uttarakhand	194	147	0	225	308	0	4.77	5.86	10.63
Total	-1111	1315	2	-1065	2186	2	-10.28	41.34	31.06

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-709	-1114	376	256	0	0
Delhi	-409	-1125	994	-199	0	0
Haryana	-366	-419	252	59	0	0
HP	599	164	53	-736	0	0
J&K	766	486	197	-101	0	0
CHD	0	-30	49	-51	0	0
Rajasthan	730	-7	737	125	2	2
UP	151	-377	0	0	0	0
Uttarakhand	225	194	437	129	0	0

XI. System Reliability Indices:

- (i)%age of times N-1 Criteria was violated in the inter - regional corridors
0.00 %
- (ii)%age of times ATC violated on the inter-regional corridors
0.00 %

XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 30.12.2015 :
Normal.

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :