

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसईड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO1188682

Power Supply Position in Northern Region for 31.12.2015

Date of Reporting : 01.01.2016

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
39239	1529	40768	50.07	29554	310	29864	50.07	827.2	44.15

* 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	Renewable/others \$	Total					
Punjab	50.13	8.92		59.05	35.09	34.83	-0.26	93.88	0.00
Haryana	54.01	0.37		54.37	56.86	55.96	-0.90	110.33	0.00
Rajasthan	127.14	4.78	20.64	152.55	68.50	70.07	1.57	222.62	0.22
Delhi	16.42			16.42	49.09	48.53	-0.56	64.95	0.00
UP	124.59	5.70		130.29	95.86	97.73	1.87	228.02	33.06
Uttarakhand		10.25		10.25	23.38	24.33	0.95	34.58	0.29
HP		3.57		3.57	21.74	21.88	0.14	25.45	0.28
J & K		4.72	0.00	4.72	37.34	39.04	1.71	43.77	10.30
Chandigarh				0.00	3.74	3.64	0.27	3.64	0.00
Total	372.28	38.30	20.64	431.22	391.60	396.02	4.79	827.24	44.15

* 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	4313	0	-7	-825	2717	0	-16	-374	5037
Haryana	6215	0	54	-157	3241	0	41	-160	6215
Rajasthan	9876	0	-202	527	8701	0	178	678	10362
Delhi	3230	0	-124	124	1480	0	59	-1144	3669
UP	10537	960	-57	-328	9626	10	-43	104	10537
Uttarakhand	1713	75	-170	589	1212	0	75	340	1792
HP	1263	19	-36	478	786	0	86	271	1401
J&K	1898	475	-69	835	1702	300	96	654	2008
Chandigarh	193	0	-12	0	90	0	2	-30	211
Total	39239	1529	-623	1242	29554	310	479	338	39239

UI [OD:(+ve), UD:(-ve)]

figures may not be at simultaneous hour.

Diversity is 1.05

III. Regional Entities :

A. NTPC	Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI Net MU
	Singrauli STPS (5*200+2*500)	2000	1274	1487	1346	30.93	1289	29.51	1.42
	Rihand I STPS (2*500)	1000	874	910	753	19.69	820	19.56	0.13
	Rihand II STPS (2*500)	1000	959	950	862	21.40	892	20.89	0.51
	Rihand III STPS (2*500)	1000	974	955	828	21.62	901	21.62	0.00
	Dadri I STPS (4*210)	840	815	380	342	7.64	318	7.98	-0.34
	Dadri II STPS (2*490)	980	980	476	423	9.84	410	10.54	-0.70
	Unchahar I TPS (2*210)	420	406	366	285	7.91	330	8.39	-0.48
	Unchahar II TPS (2*210)	420	404	305	270	7.42	309	7.70	-0.27
	Unchahar III TPS (1*220)	210	202	169	138	3.72	155	3.84	-0.12
	ISTPP (Jhajjar) (3*500)	1500	1500	905	621	14.76	615	15.54	-0.78
	Dadri GPS (4*130.19+2*154.51)	830	813	350	289	6.85	285	7.29	-0.45
	Anta GPS (3*88.71+1*153.2)	419	423	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	661	208	246	5.34	222	5.43	-0.09
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	1	0	0	0.02	1	0.03	-0.01
	Singrauli Solar	15	2	0	0	0.05	2	0.05	0.00
	KHEP	800	870	432	0	2.58	108	2.61	-0.03
	Sub Total (A)	12112	11158	7893	6403	160	6657	161	-1
B. NPC	NAPS (2*220)	440	322	444	451	9.69	404	7.73	1.96
	RAPS- B (2*220)	440	400	442	443	9.58	399	9.60	-0.02
	RAPS- C (2*220)	440	425	455	456	9.90	412	10.20	-0.30
	Sub Total (B)	1320	1147	1341	1350	29.16	1215	27.53	1.63
C. NHPC	Chamera I HPS (3*180)	540	540	555	0	1.85	77	1.62	0.23
	Chamera II HPS (3*100)	300	300	305	0	1.14	47	1.00	0.14
	Chamera III HPS (3*77)	231	154	158	0	0.63	26	0.54	0.08
	Bairasuli HPS(3*60)	180	179	124	0	0.56	23	0.54	0.02
	Salal-HPS (6*115)	690	98	113	100	2.72	113	2.40	0.31
	Tanakpur-HPS (3*40)	94	17	14	16	0.55	23	0.41	0.14
	Uri-I HPS (4*120)	480	181	326	144	4.57	191	4.36	0.21
	Uri-II HPS (4*60)	240	118	121	177	2.94	122	2.82	0.12
	Dhauliganga-HPS (4*70)	280	210	211	0	0.90	37	0.80	0.09
	Dulhasi-HPS (3*130)	390	258	273	0	3.54	147	3.40	0.14
	Sewa-II HPS (3*40)	120	119	126	0	0.42	17	0.37	0.05
	Parbati 3 (4*130)	520	0	0	0	0.81	34	0.00	0.81
	Sub Total (C)	4065	2174	2324	437	21	859	18	2
D.SJVNL	NJPC (6*250)	1500	1350	1360	0	7.51	313	7.28	0.23
	Rampur HEP (6*68.67)	412	344	371	0	2.12	89	1.97	0.15
	Sub Total (D)	1912	1694	1731	0	9.63	401	9.26	0.38
E. THDC	Tehri HPS (4*250)	1000	976	972	0	8.84	368	8.70	0.14
	Koteshwar HPS (4*100)	400	125	299	90	3.05	127	3.01	0.04
	Sub Total (E)	1400	1101	1271	90	11.88	495	11.71	0.18
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	598	1092	369	14.47	603	14.36	0.11
	Dehar HPS (6*165)	990	120	495	0	2.88	120	2.88	0.00
	Pong HPS (6*66)	396	227	324	60	5.40	225	5.44	-0.04
	Sub Total (F)	2765	945	1911	429	22.75	948	22.68	0.07
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.47	19	0.45	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	4.02	168	4.08	-0.06
	Malana Stg-II HPS (2*50)	100	0	0	0	0.12	5	0.10	0.02
	Shree Cement TPS (2*150)	300	0	257	173	5.34	222	5.66	-0.33
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.16	6	0.15	0.00
	Sub Total (G)	1662	0	925	173	10.10	421	10.44	-0.34
H. Total Regional Entities (A-G)		25237	18219	17397	8882	263.92	10997	260.86	3.06

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	320	7.83	326
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	428	406	9.93	414
	Goindwal(GVK)	0	0	0	0.00	0
	Rajpura (2*700)	1400	706	705	22.13	922
	Talwandi Saboo (2*660)	1320	350	348	10.25	427
	Thermal (Total)	5360	1904	1779	50.13	2089
	Total Hydro	1000	244	500	8.92	372
	Total Punjab	6360	2148	2279	59.05	2460
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	546	458	12.34	514
Faridabad GPS (NTPC)		432	387	308	8.28	345
RGTPP (khedar) (IPP) (2*600)		1200	554	371	10.54	439
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	1104	740	22.84	952
Thermal (Total)		4944	2591	1877	54.01	2250
Total Hydro		62	11	17	0.37	15
Total Haryana		5006	2602	1894	54.37	2265
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	710	683	17.21
	suratgarh TPS (6*250)	1500	589	575	14.73	614
	Chabra TPS (4*250)	1000	667	591	14.95	623
	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	213	210	5.24	219
	RAPS A (NPC) (1*100+1*200)	300	166	167	4.11	171
	Barsingsar (NLC) (2*125)	250	164	168	3.83	160
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	721	721	16.50	688
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1094	870	23.69	987
	Kawai(Adani) (2*660)	1320	1175	1045	26.87	1120
	Thermal (Total)	8876	5499	5030	127	5297
	Total Hydro	550	255	154	4.78	199
	Wind power	3214	612	971	20.17	840
	Biomass	99	20	20	0.47	20
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	632	991	20.64	860
	Total Rajasthan	13469	6386	6175	152.55	6356
	UP	Anpara TPS (3*210+2*500)	1630	917	931	22.90
Obra TPS (2*50+2*94+5*200)		1194	442	478	11.10	463
Paricha TPS (2*110+2*220+2*250)		1140	908	856	20.60	858
Panki TPS (2*105)		210	0	0	0.00	0
Harduaganj TPS (1*60+1*105+2*250)		665	437	446	10.60	442
Tanda TPS (NTPC) (4*110)		440	387	378	8.89	370
Roza TPS (IPP) (4*300)		1200	554	554	12.20	508
Anpara-C (IPP) (2*600)		1200	797	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	0	0	0.00	0
Thermal (Total)		9949	4442	4440	105	4391
Vishnuparyag HPS (IPP)(4*110)		440	80	78	1.80	75
Alakanada(4*82.5)		330	57	51	1.10	46
Other Hydro		527	45	37	2.80	117
Cogeneration		981	800	800	19.20	800
Total UP	12227	5424	5406	130	5429	
Uttarakhand	Total Hydro	1398	652	354	10.25	427
	Total Uttarakhand	1398	652	354	10.25	427
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	35	32	0.84	35
	Prahati Gas Turbine (2x104+ 1x122)	330	140	141	3.33	139
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	252	6.08	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	164	165	6.18	257
	Thermal (Total)	2917	589	590	16.42	684
	Total Delhi	2917	589	590	16.42	684
HP	Baspa HPS (IPP) (3*100)	300	0	30	0.81	34
	Malana HPS (IPP) (2*43)	86	45	0	0.13	6
	Other Hydro	878	111	69	2.63	110
	Total HP	1264	156	99	3.57	149
J & K	Badlihar HPS (IPP) (3*150)	450	142	142	2.82	118
	Other Hydro/IPP	560	99	58	1.90	79
	Gas/Diesel/Other	190	0	0	0.00	0
	Total J & K	1200	241	200	4.72	197
Total State Control Area Generation		43841	18198	16997	431.22	17967
J. Net Inter Regional Exchange [import(+ve)/Export(-ve)]			6742.43	6431.62	164.10	6837
Total Regional Availability(Gross)		69078	42337	32310	859.24	35802

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8300	956	72.08	3003
State Control Area Hydro	6581	1741	1490	38	1596
Total Regional Hydro	18815	10041	2446	110.38	4599

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	100	250	150	1.16	1.25	-0.09
765 KV Gwalior-Agra (D/C)	2739	2486	3315	0	67.98	0.00	67.98
400 KV Zarda-Kankrol	-178	-230	6	242	0.00	3.08	-3.08
400 KV Zarda-Bhimmal	-91	-178	93	218	0.00	1.42	-1.42
220 KV Auraiya-Malanpur	-65	-61	0	103	0.00	1.51	-1.51
220 KV Badod-Kota/Morak	17	-15	20	38	0.02	0.00	0.02
Mundra-Mohindergarh(HVDC Bipole)	2500	2198	2506	0	57.35	0.00	57.35
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Phagi-Gwalior (D/C)	826	882	569	0	23.45	0.00	23.45
Sub Total WR	5698	5182			149.96	7.27	142.69
Pusauli Bypass/HVDC	400	400	400	0	9.05	0.00	9.05
400 KV MZP- GKP (D/C)	360	42	54	480	0.00	3.78	-3.78
400 KV Patna-Balia(D/C) X 2	322	452	703	0	12.01	0.00	12.01
400 KV B'Sharif-Balia (D/C)	-120	46	79	194	0.00	0.56	-0.56
765 KV Gaya-Balia	142	231	257	0	2.47	0.00	2.47
765 KV Gaya-Fatehpur	95	98	361	0	4.48	0.00	4.48
220 KV Pusauli-Sahupuri	198	182	216	0	3.56	0.00	3.56
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.48	-0.48
132 KV Son Ngr-Rihand	-27	-24	0	36	0.00	0.58	-0.58
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-193	-126	102	193	0.00	1.59	-1.59
400 KV Barh -GKP (D/C)	368	348	452	0	7.86	0.00	7.86
Sub Total ER	1544	1650			39.42	6.99	32.43
+/- 800 KV BiswanathChariali-Agra	-500	-400	0	500	0.00	11.02	-11.02
Sub Total NER	-500	-400			0.00	11.02	-11.02
Total IR Exch	6742	6432			189.38	25.29	164.10

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
30.35	0.35	30.70	1.56	-13.85	10.47	30.10	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
48.76	102.82	151.58	21.41	142.69	164.10	-27.35	39.87	12.51

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	-29	0	34	0	1	-0.75

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	0.20	12.12	58.14	70.09	12.92	4.75	0.21	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)			
50.22	6.02	49.78	22.09	49.99	0.052	0.071	50.18	49.95	29.91

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	406	05:02	399	11:21	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	426	05:37	404	22:54	0.0	0.0	12.5	0.0	12.5
Bareilly(PG)400kV	400	421	04:31	399	14:40	0.0	0.0	0.4	0.0	0.4
Kanpur	400	411	05:02	401	11:20	0.0	0.0	0.0	0.0	0.0
Dadri	400	426	04:00	401	11:19	0.0	0.0	27.9	0.0	27.9
Ballabgarh	400	431	04:04	404	11:21	0.0	0.0	37.7	0.3	37.7
Bawana	400	428	04:01	404	11:19	0.0	0.0	34.2	0.0	34.2
Bassi	400	425	20:37	391	08:55	0.0	0.0	6.7	0.0	6.7
Hissar	400	422	21:42	396	11:18	0.0	0.0	0.9	0.0	0.9
Moga	400	421	21:45	398	11:20	0.0	0.0	0.5	0.0	0.5
Abdullapur	400	424	20:56	403	11:18	0.0	0.0	16.6	0.0	16.6
Nalagarh	400	434	01:43	406	11:21	0.0	0.0	45.1	20.8	45.1
Kisherpur	400	429	00:46	393	11:22	0.0	0.0	9.8	0.0	9.8
Wagoora	400	406	00:45	366	11:22	68.5	81.5	0.0	0.0	68.5
Amritsar	400	430	00:45	404	11:24	0.0	0.0	41.3	0.0	41.3
Kashipur	400	422	04:04	412	11:19	0.0	0.0	5.7	0.0	5.7
Hamirpur	400	425	21:50	403	14:13	0.0	0.0	29.2	0.0	29.2
Rishikesh	400	422	05:02	397	14:35	0.0	0.0	0.8	0.0	0.8

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	770	05:02	736	22:09	0.0	3.9	0.0	0.0	0.0
Balia	765	778	05:02	740	22:09	0.0	0.6	0.0	0.0	0.0
Moga	765	804	21:43	758	11:21	0.0	0.0	1.4	0.0	1.4
Agra	765	790	21:43	745	11:21	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	21:39	761	11:36	0.0	0.0	1.8	0.0	1.8
Unnao	765	774	05:03	738	11:19	0.0	2.7	0.0	0.0	0.0
Lucknow	765	793	05:02	753	11:20	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	21:42	761	11:19	0.0	0.0	4.3	0.0	4.3
Jhatikara	765	808	21:42	762	11:21	0.0	0.0	23.6	0.0	23.6
Bareilly 765 kV	765	793	05:02	408	15:31	0.0	0.1	0.0	0.0	0.0
Anta	765	785	21:45	756	08:56	0.0	0.0	0.0	0.0	0.0
Phagi	765	793	21:44	743	09:34	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	500.96	1140.31	497.69	1006.54	162.45	425.60
Pong	426.72	384.05	411.21	534.70	405.39	352.07	76.65	348.27
Tehri	829.79	740.04	802.55	657.00	809.95	801.29	69.09	229.00
Koteswar	612.50	598.50	610.87	4.95	610.20	4.69	229.00	200.47
Chamera-I	760.00	748.75	758.50	0.00	0.00	0.00	50.53	49.65
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	296.70	295.78	0.00	0.00	0.00	0.00	0.00	0.00
RSD	527.91	487.91	497.97	2.42	506.70	2.60	51.81	222.68

* 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	-739	365	0	-1127	301	0	-18.98	7.82	-11.16
Delhi	-1125	-19	0	-577	701	0	-16.82	10.87	-5.95
Haryana	-393	234	0	-366	209	0	-9.13	5.34	-3.79
HP	216	55	0	429	49	0	10.44	-1.54	8.90
J&K	654	0	0	663	172	0	14.82	0.79	15.61
CHD	-30	0	0	0	0	0	-0.24	0.21	-0.04
Rajasthan	-7	683	2	-7	532	2	7.41	14.86	22.27
UP	104	0	0	-328	0	0	-4.40	0.00	-4.40
Uttarakhand	194	146	0	225	364	0	4.77	6.12	10.89
Total	-1128	1464	2	-1088	2327	2	-12.11	44.46	32.35

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-722	-1127	365	239	0	0
Delhi	-406	-1125	1060	-44	0	0
Haryana	-366	-419	234	208	0	0
HP	600	164	61	-777	0	0
J&K	741	486	197	-51	0	0
CHD	0	-30	54	-51	0	0
Rajasthan	633	-7	715	274	2	2
UP	146	-443	0	0	0	0
Uttarakhand	225	194	426	120	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 31.12.2015 :
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 :