

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 21.12.2015
Date of Reporting : 22.12.2015

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
39878	1701	41579	50.05	28409	384	28793	50.09	833.3	39.07

* 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	54.07	11.59		65.66	32.10	30.81	-1.29	96.47	0.00
Haryana	53.25	0.44		53.69	59.15	57.72	-1.44	111.40	0.00
Rajasthan	135.59	4.41	6.79	146.79	70.42	71.92	1.50	218.70	0.00
Delhi	13.77			13.77	48.49	48.68	0.18	62.45	0.07
UP	127.25	4.10		131.35	102.74	103.10	0.36	234.45	28.10
Uttarakhand		9.99		9.99	25.65	25.54	-0.11	35.53	0.49
HP		4.46		4.46	21.02	21.82	0.80	26.28	0.00
J & K		6.34	0.00	6.34	36.80	37.87	1.07	44.21	10.41
Chandigarh				0.00	3.61	3.76	0.27	3.76	0.00
Total	383.93	41.32	6.79	432.04	399.98	401.21	1.36	833.25	39.07

* 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	4379	0	-77	-965	2948	0	44	-540	5286
Haryana	6353	0	148	-169	3234	0	-181	-183	6353
Rajasthan	9932	0	36	313	8074	0	-40	639	10104
Delhi	3234	0	-64	-118	1407	0	-122	-1351	3610
UP	10693	1190	-150	-295	9129	85	-164	97	10693
Uttarakhand	1859	40	59	639	1116	0	-26	354	1881
HP	1343	0	24	423	717	0	83	208	1404
J&K	1885	471	141	757	1695	299	-23	640	2175
Chandigarh	200	0	19	-10	89	0	-6	-31	215
Total	39878	1701	136	575	28409	384	-435	-168	39878

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

STOA figures are at sellers boundary & PX figures are at regional boundary. # 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
Rihand I STPS (2*500)	1000	851	818	772	18.53	772	18.44	0.10	
Rihand II STPS (2*500)	1000	973	884	698	20.62	859	20.24	0.38	
Rihand III STPS (2*500)	1000	973	933	716	20.95	873	20.44	0.51	
Dadri I STPS (4*210)	840	810	340	310	7.58	316	7.81	-0.24	
Dadri II STPS (2*490)	980	980	400	348	9.30	387	9.93	-0.64	
Unchahar I TPS (2*210)	420	406	374	279	7.84	327	7.96	-0.12	
Unchahar II TPS (2*210)	420	404	339	278	7.57	316	7.61	-0.04	
Unchahar III TPS (1*220)	210	202	175	128	3.74	156	3.80	-0.07	
ISTPP (Jhajjar) (3*500)	1500	1500	618	610	14.30	596	14.58	-0.28	
Dadri GPS (4*130.19+2*154.51)	830	760	262	570	8.81	367	8.88	-0.07	
Anta GPS (3*88.71+1*153.2)	419	420	204	215	4.87	203	4.80	0.07	
Auraiya GPS (4*111.19+2*109.30)	663	658	201	301	5.40	225	5.39	0.00	
Dadri Solar	5	1	0	0	0.02	1	0.02	0.00	
Unchahar Solar	10	1	0	0	0.02	1	0.02	0.00	
Singrauli Solar	15	2	0	0	0.04	2	0.04	-0.01	
KHEP	800	850	595	0	2.60	108	2.55	0.05	
Sub Total (A)	12112	11663	8180	6854	176	7323	175	1	
B. NPC	NAPS (2*220)	440	200	223	225	4.71	196	4.80	-0.09
RAPS- B (2*220)	440	402	443	449	9.69	404	9.65	0.04	
RAPS- C (2*220)	440	421	461	461	9.97	415	10.10	-0.14	
Sub Total (B)	1320	1023	1127	1135	24.36	1015	24.55	-0.19	
C. NHPC	Chamera I HPS (3*180)	540	540	408	0	1.86	78	1.62	0.24
Chamera II HPS (3*100)	300	300	306	0	1.35	56	1.20	0.15	
Chamera III HPS (3*77)	231	154	157	0	0.78	32	0.70	0.08	
Bairasuli HPS(3*60)	180	124	124	0	0.57	24	0.50	0.07	
Salal-HPS (6*115)	690	129	220	180	3.64	152	3.11	0.53	
Tanakpur-HPS (3*40)	94	18	29	15	0.61	26	0.45	0.17	
Uri-I HPS (4*120)	480	220	322	244	5.90	246	5.29	0.61	
Uri-II HPS (4*60)	240	135	122	128	3.45	144	3.25	0.21	
Dhauliganga-HPS (4*70)	280	210	206	0	0.91	38	0.80	0.11	
Dulhasti-HPS (3*130)	390	258	265	0	3.80	158	3.60	0.20	
Sewa-II HPS (3*40)	120	79	85	0	0.77	32	0.70	0.07	
Parbati 3 (4*130)	520	0	0	0	0.81	34	0.00	0.81	
Sub Total (C)	4065	2169	2243	567	24	1018	21	3	
D.SJVNL	NJPC (6*250)	1500	1080	1076	0	7.44	310	7.10	0.34
Rampur HEP (6*68.67)	412	275	300	0	2.08	87	1.90	0.18	
Sub Total (D)	1912	1355	1376	0	9.52	397	9.00	0.52	
E. THDC	Tehri HPS (4*250)	1000	1000	1000	0	7.98	333	7.80	0.18
Koteshwar HPS (4*100)	400	121	202	99	2.95	123	2.93	0.02	
Sub Total (E)	1400	1121	1202	99	10.93	455	10.73	0.21	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	688	1206	348	16.71	696	16.51	0.21
Dehar HPS (6*165)	990	135	495	0	3.24	135	3.24	0.00	
Pong HPS (6*66)	396	301	384	60	7.13	297	7.21	-0.08	
Sub Total (F)	2765	1123	2085	408	27.08	1128	26.96	0.12	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	49	0	0.54	22	0.52	0.02
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	4.02	167	3.84	0.18	
Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00	
Shree Cement TPS (2*150)	300	0	264	258	6.26	261	6.23	0.03	
Budhil HPS(IPP) (2*35)	70	0	38	0	0.20	8	0.19	0.00	
Sub Total (G)	1662	0	981	258	11.01	459	10.78	0.23	
H. Total Regional Entities (A-G)	25237	18454	17194	9321	283.09	11795	278.26	4.83	

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	3.51	146
	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	564	569	12.81	534
	Goindwal(GVK)	0	0	0	0.00	0
	Rajpura (2*700)	1400	706	706	21.40	892
	Talwandi Saboo (2*660)	1320	672	678	16.37	682
	Thermal (Total)	5360	2102	2113	54.07	2253
Total Hydro	1000	461	414	11.59	483	
Total Punjab	6360	2563	2527	65.66	2736	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	549	499	12.14	506
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1135	777	20.01	834
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1152	741	21.10	879
	Thermal (Total)	4944	2836	2017	53.25	2219
	Total Hydro	62	11	11	0.44	18
	Total Haryana	5006	2847	2028	53.69	2237
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	919	846	21.23
suratgarh TPS (6*250)		1500	668	488	14.88	620
Chabra TPS (4*250)		1000	566	649	13.28	553
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	216	170	5.06	211
RAPS A (NPC) (1*100+1*200)		300	162	163	4.10	171
Barsingsar (NLC) (2*125)		250	94	185	2.95	123
Giral LTPS (2*125)		250	76	71	1.43	60
Rajwest LTPS (IPP) (8*135)		1080	964	767	21.83	910
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	1169	932	24.46	1019
Kawai(Adani) (2*660)		1320	1202	860	26.36	1098
Thermal (Total)		8876	6036	5131	136	5650
Total Hydro		550	179	246	4.41	184
Wind power		3214	13	426	4.56	190
Biomass		99	14	14	0.34	14
Solar		730	0	0	1.89	79
Renewable/Others (Total)		4043	27	440	6.79	283
Total Rajasthan		13469	6242	5817	146.79	6116
UP		Anpara TPS (3*210+2*500)	1630	1358	860	26.10
	Obra TPS (2*50+2*94+5*200)	1194	439	414	10.10	421
	Paricha TPS (2*110+2*220+2*250)	1140	851	773	19.00	792
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*80+1*105+2*250)	665	451	407	9.90	413
	Tanda TPS (NTPC) (4*110)	440	306	275	8.10	337
	Roza TPS (IPP) (4*300)	1200	378	383	11.00	458
	Anpara-C (IPP) (2*600)	1200	1083	923	23.80	992
	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	0.05	2
	Thermal (Total)	9949	4866	4035	108	4502
	Vishnuparyag HPS (IPP)(4*110)	440	84	84	2.00	83
	Alakanada(4*82.5)	330	52	50	1.20	50
	Other Hydro	527	58	22	0.90	38
	Cogeneration	981	800	800	19.20	800
Total UP	12227	5860	4991	131	5473	
Total Hydro	1398	609	327	9.99	416	
Total Uttarakhand	1398	609	327	9.99	416	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.03	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	29	30	0.82	34
	Prahati Gas Turbine (2x104+ 1x122)	330	140	140	3.32	138
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	249	6.01	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.66	152
	Thermal (Total)	2917	584	584	13.77	574
Total Delhi	2917	584	584	13.77	574	
HP	Baspa HPS (IPP) (3*100)	300	33	0	1.30	54
	Malana HPS (IPP) (2*43)	86	0	0	0.32	14
	Other Hydro	878	157	74	2.84	118
	Total HP	1264	190	74	4.46	186
J & K	Badlihar HPS (IPP) (3*150)	450	150	150	4.05	169
	Other Hydro/IPP	560	121	84	2.29	95
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	271	234	6.34	264
Total State Control Area Generation		43841	19166	16582	432.04	18002
J. Net Inter Regional Exchange [import(+ve)/Export(-ve)]			1476	1206	156.55	6523
Total Regional Availability(Gross)		69078	37837	27109	871.68	36320

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8180	1074	79.12	3297
State Control Area Hydro	6581	1915	1462	41	1722
Total Regional Hydro	18815	10095	2536	120.44	5019

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	
Vindhyachal(HVDC B/B)	-50	-400	150	400	0.62	6.69	-6.07
765 KV Gwalior-Agra (D/C)	-2650	-2363	3093	0	66.06	0.00	66.06
400 KV Zarda-Kankrol	-93	-253	0	286	0.00	3.69	-3.69
400 KV Zarda-Bhimnal	5	-161	115	220	0.00	1.62	-1.62
220 KV Auraiya-Malanpur	-44	-62	0	99	0.00	1.14	-1.14
220 KV Badod-Kota/Morak	-10	-84	0	86	0.00	1.11	-1.11
Mundra-Mohindergarh(HVDC Bipole)	2498	2002	2506	0	55.66	0.00	55.66
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kv Phagi-Gwalior (D/C)	845	651	1017	0	22.05	0.00	22.05
Sub Total WR	501	-670			144.39	14.25	130.14
Pusaui Bypass/HVDC	-634	400	665	0	3.65	6.05	-2.40
400 KV MZP- GKP (D/C)	-330	-120	76	360	3.94	0.00	3.94
400 KV Patna-Balia(D/C) X 2	532	480	687	0	13.09	0.00	13.09
400 KV B'Sharif-Balia (D/C)	28	-12	229	77	1.14	0.00	1.14
765 KV Gaya-Balia	214	210	332	0	2.77	0.00	2.77
765 KV Gaya-Fatehpur	74	64	350	0	4.21	0.00	4.21
220 KV Pusaui-Sahupuri	130	132	173	0	3.08	0.00	3.08
132 KV N'asara-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-25	0	28	0.00	0.57	-0.57
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	69	-165	277	194	0.00	1.04	-1.04
400 KV Barh -GKP (D/C)	418	412	466	0	9.91	0.00	9.91
Sub Total ER	475	1376			41.79	7.66	34.13
+/- 800 KV BiswanathChariali-Agra	500	500	0	500	0.00	7.73	-7.73
Sub Total NER	500	500			0.00	7.73	-7.73
Total IR Exch	1476	1206			186.18	29.63	156.55

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
30.75	0.45	31.19	1.44	-12.08	5.56		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
44.23	103.62	147.85	26.41	130.14	156.55	-17.82	26.52	8.71

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	-34	0	35	0	1	-0.76

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	0.41	4.58	27.71	70.07	59.42	9.28	3.29	0.32	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)			
50.26	13.01	49.65	7.19	49.95	0.100	50.17	49.83	40.58	

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	402	01:30	395	11:10	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	21:49	404	11:39	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	422	04:19	396	14:19	0.0	0.0	2.1	0.0	2.1
Kanpur	400	411	02:58	399	11:40	0.0	0.0	11.6	0.0	11.6
Dadri	400	426	03:00	400	11:38	0.0	0.0	25.3	0.0	25.3
Ballabgarh	400	433	03:00	403	11:39	0.0	0.0	40.5	12.3	40.5
Bawana	400	428	02:32	402	11:40	0.0	0.0	33.2	0.0	33.2
Bassi	400	428	21:28	389	09:35	0.0	0.5	8.0	0.0	8.0
Hissar	400	422	20:51	394	11:40	0.0	0.0	3.3	0.0	3.3
Moga	400	420	20:46	398	11:37	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	426	21:01	401	09:33	0.0	0.0	20.7	0.0	20.7
Nalagarh	400	434	21:00	403	09:34	0.0	0.0	41.4	15.5	41.4
Kishenpur	400	425	02:26	398	17:51	0.0	0.0	17.4	0.0	17.4
Wagoora	400	400	13:01	370	08:43	34.2	69.8	0.0	0.0	34.2
Amritsar	400	428	03:01	406	11:40	0.0	0.0	33.4	0.0	33.4
Kashipur	400	416	13:00	409	14:10	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	423	01:27	403	07:35	0.0	0.0	21.4	0.0	21.4
Rishikesh	400	400	13:01	382	14:19	0.0	51.0	0.0	0.0	0.0

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	783	02:59	729	11:42	0.0	4.6	0.0	0.0	0.0
Balia	765	785	04:29	750	11:39	0.0	0.0	0.0	0.0	0.0
Moga	765	804	20:58	758	11:42	0.0	0.0	1.8	0.0	1.8
Agra	765	796	21:51	743	09:34	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	805	20:51	758	11:40	0.0	0.0	6.2	0.0	6.2
Unnao	765	779	04:30	733	11:39	0.0	15.6	0.0	0.0	0.0
Lucknow	765	794	04:30	752	11:40	0.0	0.0	0.0	0.0	0.0
Meerut	765	814	20:58	761	11:40	0.0	0.0	24.5	0.0	24.5
Jhatikara	765	809	02:00	763	11:39	0.0	0.0	26.4	0.0	26.4
Bareilly 765 kV	765	794	04:19	749	14:17	0.0	0.0	0.0	0.0	0.0
Anta	765	782	03:03	752	09:35	0.0	0.0	0.0	0.0	0.0
Phagi	765	792	20:48	742	09:31	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	502.87	1219.07	499.54	1076.64	164.80	514.01
Pong	426.72	384.05	412.65	588.94	407.04	397.88	84.13	451.68
Tehri	829.79	740.04	806.35	731.00	813.15	865.26	69.74	203.00
Koteswar	612.50	598.50	610.71	4.95	609.83	4.44	203.00	194.16
Chamera-I	760.00	748.75	758.29	0.00	0.00	0.00	49.18	50.06
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	501.10	3.62	507.82	0.96	51.30	183.79

* 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	-725	185	0	-1059	95	0	-18.30	2.67	-15.64
Delhi	-1165	-186	0	-568	451	0	-16.45	6.05	-10.40
Haryana	-346	163	0	-372	202	0	-8.73	3.13	-5.60
HP	137	70	0	425	-3	0	9.33	-1.61	7.72
J&K	640	0	0	575	182	0	13.76	0.22	13.98
CHD	-31	0	0	0	-10	0	-0.24	-0.06	-0.30
Rajasthan	-7	644	2	-7	318	2	8.53	11.83	20.35
UP	97	0	0	-295	0	0	-3.89	0.00	-3.89
Uttarakhand	193	162	0	224	415	0	4.78	8.12	12.90
Total	-1208	1037	2	-1078	1651	2	-11.23	30.35	19.12

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-652	-1059	185	55	0	0
Delhi	-356	-1165	673	-186	0	0
Haryana	-346	-372	217	-334	0	0
HP	544	137	109	-567	0	0
J&K	653	473	207	-192	0	0
CHD	0	-31	26	-41	0	0
Rajasthan	726	-7	683	-671	2	2
UP	155	-390	0	0	0	0
Uttarakhand	224	193	503	146	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 21.12.2015 :
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 :