

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसईड की पूर्ण स्वामित्व प्राप्त सखक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 20.12.2015
Date of Reporting : 21.12.2015

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
37523	1493	39016	0.00	29814	256	30070	0.00	810.7	37.00

* 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	50.68	11.82		62.50	40.22	39.32	-0.90	101.82	0.00
Haryana	48.29	0.45		48.74	58.19	56.07	-2.12	104.81	0.00
Rajasthan	135.13	4.08	3.43	142.64	70.59	71.23	0.64	213.86	0.00
Delhi	13.77			13.77	43.87	44.72	0.85	58.48	0.14
UP	119.62	4.10		123.72	106.37	106.70	0.33	230.42	26.46
Uttarakhand		8.24		8.24	23.79	24.92	1.12	33.15	0.89
HP		4.17		4.17	20.19	20.54	0.35	24.71	0.05
J & K		6.34	0.00	6.34	34.22	33.83	-0.39	40.17	9.48
Chandigarh				0.00	3.44	3.32	0.27	3.32	0.00
Total	367.48	39.19	3.43	410.10	400.87	400.64	0.16	810.75	37.00

* 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	4410	0	-441	-788	3648	0	70	-374	5351
Haryana	5627	0	-203	-226	3371	0	-282	-169	5627
Rajasthan	9228	0	-308	584	8427	0	120	699	10040
Delhi	2961	0	-40	-241	1456	0	92	-1362	3520
UP	10354	955	-109	-329	9419	0	-12	115	10354
Uttarakhand	1663	75	-52	417	1167	0	105	301	1790
HP	1257	0	39	405	785	0	49	315	1336
J&K	1852	463	64	676	1452	256	-74	632	2055
Chandigarh	171	0	-51	-30	89	0	2	-30	194
Total	37523	1493	-1102	469	29814	256	72	126	37523

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

\$ figures may not be at simultaneous hour.

Diversity is 1.07

III. Entity's Details:

Entity	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
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1884	2043	1936	44.21	1842	42.80	1.41
	Rihand I STPS (2*500)	1000	875	847	685	18.29	762	18.06	0.24
	Rihand II STPS (2*500)	1000	973	915	806	20.71	863	20.55	0.16
	Rihand III STPS (2*500)	1000	973	906	697	20.78	866	20.82	-0.03
	Dadri I STPS (4*210)	840	810	310	314	7.41	309	7.63	-0.22
	Dadri II STPS (2*490)	980	980	370	358	9.26	386	10.01	-0.76
	Unchahar I TPS (2*210)	420	406	365	283	7.56	315	7.88	-0.32
	Unchahar II TPS (2*210)	420	404	306	275	6.99	291	7.22	-0.23
	Unchahar III TPS (1*220)	210	202	148	138	3.51	146	3.63	-0.12
	ISTPP (Jhajjar) (3*500)	1500	1500	621	621	14.17	590	14.52	-0.36
	Dadri GPS (4*130.19+2*154.51)	830	550	568	549	13.75	573	14.04	-0.29
	Anta GPS (3*88.71+1*153.2)	419	420	176	216	4.73	197	4.78	-0.05
	Auraiya GPS (4*111.19+2*109.30)	663	658	200	185	5.06	211	5.15	-0.10
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	1	0	0	0.02	1	0.02	-0.01
	Singrauli Solar	15	2	0	0	0.05	2	0.04	0.00
	KHEP	800	870	637	0	2.61	109	2.61	0.00
	Sub Total (A)	12112	11508	8412	7063	179	7463	180	-1
B. NPC	NAPS (2*220)	440	201	224	224	4.74	198	4.82	-0.08
	RAPS- B (2*220)	440	398	444	450	9.69	404	9.55	0.13
	RAPS- C (2*220)	440	418	457	464	9.99	416	10.03	-0.04
	Sub Total (B)	1320	1017	1125	1138	24.42	1018	24.41	0.01
C. NHPC	Chamera I HPS (3*180)	540	540	420	0	1.88	78	1.62	0.26
	Chamera II HPS (3*100)	300	300	302	0	1.28	53	1.15	0.13
	Chamera III HPS (3*77)	231	154	160	0	0.82	34	0.70	0.12
	Bairasuli HPS(3*60)	180	124	122	0	0.51	21	0.47	0.04
	Salal-HPS (6*115)	690	170	300	210	4.66	194	4.05	0.61
	Tanakpur-HPS (3*40)	94	18	25	32	0.59	25	0.43	0.16
	Uri-I HPS (4*120)	480	215	233	217	5.76	240	5.16	0.61
	Uri-II HPS (4*60)	240	136	125	122	3.39	141	3.27	0.12
	Dhauliganga-HPS (4*70)	280	210	210	0	0.97	40	0.90	0.07
	Dulhasti-HPS (3*130)	390	258	268	0	3.77	157	3.60	0.17
	Sewa-II HPS (3*40)	120	79	86	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	2204	2251	581	25	1051	22	3
	D.SJVNL	NJPC (6*250)	1500	1080	1077	0	7.43	309	7.28
Rampur HEP (6*68.67)		412	370	302	0	2.09	87	2.03	0.06
Sub Total (D)		1912	1450	1379	0	9.52	397	9.31	0.21
E. THDC	Tehri HPS (4*250)	1000	1000	999	0	7.89	329	7.80	0.09
	Koteswar HPS (4*100)	400	121	202	101	2.93	122	2.90	0.03
	Sub Total (E)	1400	1121	1201	101	10.81	451	10.70	0.11
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	684	1196	365	16.76	699	16.43	0.34
	Dehar HPS (6*165)	990	138	495	0	3.42	143	3.32	0.10
	Pong HPS (6*66)	396	291	384	60	6.83	285	6.98	-0.15
	Sub Total (F)	2765	1114	2075	425	27.02	1126	26.73	0.29
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	96	0	0.52	22	0.50	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.90	163	3.84	0.07
	Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
	Shree Cement TPS (2*150)	300	0	262	258	6.22	259	6.20	0.03
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.20	8	0.19	0.01
	Sub Total (G)	1662	0	1026	258	10.85	452	10.72	0.13
H. Total Regional Entities (A-G)	25237	18414	17468	9565	286.95	11956	283.72	3.23	

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	3.76	157
	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	569	595	13.41	559
	Goindwal(GVK)	0	0	0	0.00	0
	Raipura (2*700)	1400	704	714	13.08	545
	Talwandi Saboo (2*660)	1320	690	663	20.45	852
	Thermal (Total)	5360	2123	2132	50.68	2112
	Total Hydro	1000	488	436	11.82	493
Total Punjab	6360	2611	2568	62.50	2604	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	545	461	11.20	467
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (kheadar) (IPP) (2*600)	1200	765	773	18.35	765
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1140	740	18.74	781
	Thermal (Total)	4944	2450	1974	48.29	2012
	Total Hydro	62	12	18	0.45	19
	Total Haryana	5006	2462	1992	48.74	2031
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	850	670	20.44
suratgarh TPS (6*250)		1500	595	600	14.28	595
Chabra TPS (4*250)		1000	589	618	14.74	614
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	169	211	4.35	181
RAPS A (NPC) (1*100+1*200)		300	162	164	4.03	168
Barsingsar (NLC) (2*125)		250	184	170	4.16	174
Giral LTSP (2*125)		250	71	71	1.43	60
Rajwest LTSP (IPP) (8*135)		1080	847	698	22.17	924
VS LIGNITE LTSP (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	933	894	23.10	962
Kawai(Adani) (2*660)		1320	1021	1150	26.42	1101
Thermal (Total)		8876	5421	5246	135	5630
Total Hydro		550	179	111	4.08	170
Wind power		3214	109	31	2.94	122
Biomass		99	14	14	0.33	14
Solar		730	3	0	0.16	7
Renewable/Others (Total)		4043	126	45	3.43	143
Total Rajasthan		13469	5726	5402	142.64	5943
UP		Anpara TPS (3*210+2*500)	1630	921	901	21.70
	Obra TPS (2*50+2*94+5*200)	1194	424	422	9.90	413
	Paricha TPS (2*110+2*220+2*250)	1140	728	635	16.10	671
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*80+1*105+2*250)	665	440	414	9.80	408
	Tanda TPS (NTPC) (4*110)	440	273	279	7.92	330
	Roza TPS (IPP) (4*300)	1200	405	383	10.80	450
	Anpara-C (IPP) (2*600)	1200	1079	1082	24.20	1008
	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	4270	4116	100	4184
	Vishnuparyag HPS (IPP)(4*110)	440	86	86	2.10	88
	Alakanada(4*82.5)	330	51	51	1.20	50
	Other Hydro	527	22	22	0.80	33
	Cogeneration	981	800	800	19.20	800
	Total UP	12227	5229	5075	124	5155
Total Hydro	1398	523	239	8.24	343	
Total Uttarakhand	1398	523	239	8.24	343	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	29	30	0.80	33
	Prahati Gas Turbine (2x104+ 1x122)	330	140	140	3.37	140
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	249	6.02	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.58	149
	Thermal (Total)	2917	584	584	13.77	574
Total Delhi	2917	584	584	13.77	574	
HP	Baspa HPS (IPP) (3*100)	300	28	0	1.07	45
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8
	Other Hydro	878	158	77	2.89	121
	Total HP	1264	186	77	4.17	174
J & K	Badlihar HPS (IPP) (3*150)	450	240	150	4.05	169
	Other Hydro/IPP	560	121	84	2.29	95
	Gas/Diesel/Other	190	0	0	0.00	0
	Total J & K	1200	361	234	6.34	264
Total State Control Area Generation	43841	17682	16171	410.10	17088	
J. Net Inter Regional Exchange [import(+ve)/Export(-ve)]		6466	5798	139.04	5793	
Total Regional Availability(Gross)	69078	41616	31534	836.09	34837	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8269	1107	79.60	3317
State Control Area Hydro	6581	1908	1274	39	1633
Total Regional Hydro	18815	10177	2381	118.79	4950

(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)	-400	-400	0	400	0.00	9.76	-9.76
765 KV Gwalior-Agra (D/C)	2379	2624	3047	0	64.04	0.00	64.04
400 KV Zarda-Kankrol	-164	-169	11	361	0.00	3.44	-3.44
400 KV Zarda-Bhimmal	-54	-84	123	350	0.00	1.31	-1.31
220 KV Auraiya-Malanpur	67	41	0	85	0.00	1.35	-1.35
220 KV Badod-Kota/Morak	-32	-23	0	84	0.00	0.91	-0.91
Mundra-Mohindergarh(HVDC Bipole)	2496	1701	2506	0	51.26	0.00	51.26
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Phagi-Gwalior (D/C)	872	812	1058	0	21.45	0.00	21.45
Sub Total WR	5164	4502			136.76	16.77	119.98
Pusaali Bypass/HVDC	400	400	400	0	8.97	0.00	8.97
400 KV MZP- GKP (D/C)	428	104	0	512	0.00	5.09	-5.09
400 KV Patna-Balia(D/C) X 2	398	461	680	0	11.95	0.00	11.95
400 KV B'Sharif-Balia (D/C)	-108	-11	74	184	0.00	0.69	-0.69
765 KV Gaya-Balia	118	220	284	0	2.47	0.00	2.47
765 KV Gaya-Fatehpur	7	125	304	0	3.64	0.00	3.64
220 KV Pusaali-Sahupuri	129	130	164	0	3.18	0.00	3.18
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-16	-20	0	34	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-236	-117	52	240	0.00	2.37	-2.37
400 KV Barh -GKP (D/C)	-318	-496	496	0	9.64	0.00	9.64
Sub Total ER	802	796			39.85	8.68	31.17
+/- 800 KV BiswanathChariali-Agra	500	500	0	500	0.00	12.12	-12.12
Sub Total NER	500	500			0.00	12.12	-12.12
Total IR Exch	6466	5798			176.61	37.57	139.04

(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
30.65	0.46	31.11	-0.83	-10.85	11.92		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
48.23	92.25	140.47	19.05	119.98	139.04	-29.17	27.74	-1.44

(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	-33	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	0.00	1.41	15.79	61.24	65.93	12.78	5.50	0.08	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)			
50.23	17.31	49.71	8.41	49.98	0.066	0.078	0.00	0.00	34.07

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	05:08	394	15:06	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	422	20:55	399	14:45	0.0	0.0	1.9	0.0	1.9
Kanpur	400	411	20:53	401	10:09	0.0	0.0	1.7	0.0	1.7
Dadri	400	425	20:53	407	11:08	0.0	0.0	22.6	0.0	22.6
Ballabgarh	400	433	20:53	408	11:15	0.0	0.0	48.6	1.3	48.6
Bawana	400	429	20:49	409	11:15	0.0	0.0	32.1	0.0	32.1
Bassi	400	426	20:46	392	11:49	0.0	0.0	6.7	0.0	6.7
Hissar	400	423	20:53	400	11:46	0.0	0.0	1.3	0.0	1.3
Moga	400	422	20:49	405	11:47	0.0	0.0	1.7	0.0	1.7
Abdullapur	400	426	20:45	408	11:11	0.0	0.0	18.3	0.0	18.3
Nalagarh	400	435	20:52	416	07:28	0.0	0.0	72.7	7.3	72.7
Kishenpur	400	428	02:01	400	18:27	0.0	0.0	23.1	0.0	23.1
Wagoora	400	407	13:02	371	18:27	11.6	41.3	0.0	0.0	11.6
Amritsar	400	430	20:53	414	07:37	0.0	0.0	57.8	0.0	57.8
Kashipur	400	421	05:04	414	09:14	0.0	0.0	1.8	0.0	1.8
Hamirpur	400	423	05:01	412	10:56	0.0	0.0	44.5	0.0	44.5
Rishikesh	400	415	05:17	392	10:08	0.0	0.0	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	790	20:55	745	10:11	0.0	0.0	0.0	0.0	0.0
Balia	765	785	21:43	748	11:20	0.0	0.0	0.0	0.0	0.0
Moga	765	808	20:53	772	11:47	0.0	0.0	4.6	0.0	4.6
Agra	765	801	20:53	751	10:10	0.0	0.0	0.1	0.0	0.1
Bhiwani	765	808	20:45	770	10:09	0.0	0.0	5.3	0.0	5.3
Unnao	765	775	05:18	738	10:10	0.0	5.5	0.0	0.0	0.0
Lucknow	765	794	21:44	758	11:15	0.0	0.0	0.0	0.0	0.0
Meerut	765	820	20:55	774	10:11	0.0	0.0	10.8	0.0	10.8
Jhatikara	765	812	20:47	772	11:09	0.0	0.0	23.0	0.0	23.0
Bareilly 765 kV	765	794	21:43	753	14:46	0.0	0.0	0.0	0.0	0.0
Anta	765	782	20:43	755	09:16	0.0	0.0	0.0	0.0	0.0
Phagi	765	798	20:54	748	09:14	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	503.08	1232.31	499.71	1076.64	181.20	520.26
Pong	426.72	384.05	412.81	588.94	407.20	407.15	88.72	435.85
Tehri	829.79	740.04	806.75	740.00	813.45	871.00	41.07	200.00
Koteswar	612.50	598.50	610.69	4.92	610.35	4.69	200.00	192.65
Chamera-I	760.00	748.75	758.30	0.00	0.00	0.00	55.10	50.70
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1138.65	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	501.34	3.78	507.86	2.18	59.56	176.23

* 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	-722	349	0	-1056	288	0	-18.24	7.74	-10.51
Delhi	-1192	-170	0	-566	325	0	-17.14	4.05	-13.10
Haryana	-334	165	0	-359	133	0	-8.50	3.53	-4.97
HP	138	177	0	427	-22	0	9.37	-2.45	6.92
J&K	632	0	0	567	109	0	13.57	-0.33	13.24
CHD	-30	0	0	0	-30	0	-0.24	-0.17	-0.41
Rajasthan	-7	704	2	-7	590	2	8.65	13.24	21.89
UP	115	0	0	-329	0	0	-4.49	0.00	-4.49
Uttarakhand	193	108	0	225	193	0	4.80	5.00	9.80
Total	-1208	1332	2	-1099	1566	2	-12.23	30.61	18.38

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-650	-1056	366	252	0	0
Delhi	-399	-1192	681	-170	0	0
Haryana	-334	-359	253	-294	0	0
HP	546	138	177	-736	0	0
J&K	645	464	183	-191	0	0
CHD	0	-30	0	-76	0	0
Rajasthan	728	-7	851	-502	2	2
UP	140	-415	0	0	0	0
Uttarakhand	225	193	379	104	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 20.12.2015 :
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 :