

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 19.12.2015

Date of Reporting : 20.12.2015

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
39368	2370	41738	50.07	30325	413	30738	50.13	852.8	40.50

* 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	57.70	11.80		69.50	42.37	42.37	0.00	111.87	0.00
Haryana	52.02	0.37		52.39	63.94	62.84	-1.10	115.22	0.00
Rajasthan	137.59	3.87	7.49	148.94	73.40	75.15	1.76	224.10	0.00
Delhi	13.82			13.82	46.28	46.50	0.22	60.32	0.00
UP	120.57	4.20		124.77	107.11	107.97	0.86	232.74	30.35
Uttarakhand	8.21	8.21		8.21	27.68	28.26	0.58	36.48	0.23
HP	4.59			4.59	21.85	21.84	-0.02	26.43	0.00
J & K	6.34		0.00	6.34	35.84	35.73	-0.12	42.06	9.92
Chandigarh				0.00	3.69	3.61	0.27	3.61	0.00
Total	381.70	39.38	7.49	428.56	422.16	424.27	2.45	852.83	40.50

* 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	4758	0	-308	-850	3514	0	-32	-441	5665
Haryana	6265	0	-99	-82	3528	0	-82	-118	6265
Rajasthan	9999	0	14	572	8529	0	87	703	10322
Delhi	3131	0	-53	-49	1503	0	154	-1253	3451
UP	9972	1860	117	-196	9565	130	-59	119	10488
Uttarakhand	1830	40	-26	726	1200	0	46	436	1885
HP	1337	0	13	435	788	0	-20	328	1426
J&K	1881	470	112	676	1605	283	-21	632	2016
Chandigarh	195	0	-25	0	93	0	-4	-30	203
Total	39368	2370	-254	1233	30325	413	69	376	39368

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

UI figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

Diversity is 1.06

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	1890	2036	1768	45.01	1875	44.57	0.43
	Rihand I STPS (2*500)	1000	836	854	686	18.47	770	18.30	0.17
	Rihand II STPS (2*500)	1000	973	915	737	21.07	878	21.05	0.03
	Rihand III STPS (2*500)	1000	973	905	666	20.94	873	21.50	-0.56
	Dadri I STPS (4*210)	840	810	311367	305	7.30	304	7.63	-0.33
	Dadri II STPS (2*490)	980	980	0	342	9.06	377	9.67	-0.61
	Unchahar I TPS (2*210)	420	406	313	296	7.83	326	8.21	-0.38
	Unchahar II TPS (2*210)	420	404	310	276	7.33	305	7.34	-0.31
	Unchahar III TPS (1*220)	210	202	153	133	3.57	149	3.82	-0.24
	ISTPP (Jhajjar) (3*500)	1500	1500	618	611	14.31	596	14.55	-0.24
	Dadri GPS (4*130.19+2*154.51)	830	550	533	582	14.14	589	14.61	-0.47
	Anta GPS (3*88.71+1*153.2)	419	420	273	212	5.27	219	5.70	-0.43
	Auraiya GPS (4*111.19+2*109.30)	663	658	324	301	6.72	280	6.92	-0.21
	Dadri Solar	5	1	0	0	0.00	0	0.02	-0.02
	Unchahar Solar	10	0	0	0	0.00	0	0.00	0.00
	Singrauli Solar	15	1	0	0	0.50	21	0.02	0.48
	KHEP	800	850	0	0	2.64	110	2.55	0.09
	Sub Total (A)	12112	11453	318601	6915	184	7672	187	-3
B. NPC	NAPS (2*220)	440	201	223	225	4.75	198	4.82	-0.07
	RAPS- B (2*220)	440	398	444	447	9.67	403	9.55	0.12
	RAPS- C (2*220)	440	418	461	462	9.98	416	10.03	-0.05
	Sub Total (B)	1320	1017	1128	1134	24.40	1017	24.41	0.00
C. NHPC	Chamera I HPS (3*180)	540	540	557	0	1.89	79	1.62	0.27
	Chamera II HPS (3*100)	300	300	305	0	1.48	62	1.39	0.09
	Chamera III HPS (3*77)	231	154	157	0	0.88	37	0.75	0.13
	Bairasuli HPS(3*60)	180	124	125	0	0.54	23	0.50	0.04
	Salal-HPS (6*115)	690	163	230	130	4.40	183	3.88	0.52
	Tanakpur-HPS (3*40)	94	18	31	25	0.63	26	0.43	0.20
	Uri-I HPS (4*120)	480	234	330	231	6.01	250	5.60	0.41
	Uri-II HPS (4*60)	240	146	122	163	3.56	148	3.45	0.11
	Dhauliganga-HPS (4*70)	280	210	210	0	0.99	41	0.93	0.06
	Dulhasti-HPS (3*130)	390	258	261	0	3.63	151	3.50	0.13
	Sewa-II HPS (3*40)	120	79	80	84	1.98	82	1.85	0.13
	Parbati 3 (4*130)	520	0	0	0	0.81	34	0.00	0.81
	Sub Total (C)	4065	2225	2407	632	27	1116	24	3
D.SJVNL	NJPC (6*250)	1500	1080	1080	0	7.42	309	7.42	0.00
	Rampur HEP (6*68.67)	412	370	300	0	2.11	88	2.05	0.07
	Sub Total (D)	1912	1450	1380	0	9.53	397	9.46	0.07
E. THDC	Tehri HPS (4*250)	1000	1000	998	0	8.11	338	8.00	0.11
	Koteshwar HPS (4*100)	400	121	200	100	2.92	122	2.90	0.02
	Sub Total (E)	1400	1121	1198	100	11.02	459	10.90	0.12
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	682	1190	359	16.98	707	16.36	0.62
	Dehar HPS (6*165)	990	145	495	0	3.46	144	3.48	-0.02
	Pong HPS (6*66)	396	262	384	60	6.29	262	6.29	0.00
	Sub Total (F)	2765	1088	2069	419	26.73	1114	26.12	0.61
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	91	0	0.57	24	0.55	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	4.01	167	3.96	0.06
	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	256	6.20	258	6.21	-0.01
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.19	8	0.19	0.00
	Sub Total (G)	1662	0	1021	256	10.98	457	10.91	0.06
H. Total Regional Entities (A-G)		25237	18354	327804	9456	293.60	12234	292.45	1.15

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	3.56	148
	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	678	392	12.01	500
	Goindwal(GVK)	0	0	0	0.00	0
	Raipur (2*700)	1400	813	705	22.37	932
	Talwandi Saboo (2*660)	1320	675	681	19.78	824
	Thermal (Total)	5360	2326	1938	57.70	2404
	Total Hydro	1000	475	429	11.80	492
	Total Punjab	6360	2801	2367	69.50	2896
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	550	464	11.92	497
Faridabad GPS (NTPC)		432	0	0	0.00	0
RGTPP (khehar) (IPP) (2*600)		1200	1136	787	19.14	797
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	1112	741	20.96	874
Thermal (Total)		4944	2798	1992	52.02	2167
Total Hydro		62	8	18	0.37	15
Total Haryana		5006	2806	2010	52.38	2183
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	852	847	21.22
	suratgarh TPS (6*250)	1500	594	569	13.41	559
	Chabra TPS (4*250)	1000	636	577	15.05	627
	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	215	5.26	219
	RAPS A (NPC) (1*100+1*200)	300	162	164	4.03	168
	Barsingsar (NLC) (2*125)	250	181	182	4.23	176
	Giral LTSP (2*125)	250	71	84	1.41	59
	Rajwest LTSP (IPP) (8*135)	1080	964	968	23.13	964
	VS LIGNITE LTSP (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1046	924	24.30	1012
	Kawai(Adani) (2*660)	1320	1162	890	25.55	1064
	Thermal (Total)	8876	5881	5420	138	5733
	Total Hydro	550	120	153	3.87	161
	Wind power	3214	43	328	4.86	203
	Biomass	99	14	14	0.33	14
	Solar	730	0	0	2.29	96
	Renewable/Others (Total)	4043	57	342	7.49	312
	Total Rajasthan	13469	6058	5915	148.94	6206
	UP	Anpara TPS (3*210+2*500)	1630	892	847	20.80
Obra TPS (2*50+2*94+5*200)		1194	402	427	9.70	404
Paricha TPS (2*110+2*220+2*250)		1140	689	639	16.50	688
Panki TPS (2*105)		210	0	0	0.00	0
Harduaganj TPS (1*60+1*105+2*250)		665	446	438	10.70	446
Tanda TPS (NTPC) (4*110)		440	279	357	8.27	345
Roza TPS (IPP) (4*300)		1200	387	486	12.00	500
Anpara-C (IPP) (2*600)		1200	1079	1080	25.80	1075
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	4174	4274	104	4324
Vishnuparyag HPS (IPP)(4*110)		440	86	86	2.10	88
Alakanada(4*82.5)		330	53	54	1.30	54
Other Hydro		527	20	22	0.80	33
Cogeneration	981	700	700	16.80	700	
Total UP	12227	5033	5136	125	5199	
Uttarakhand	Total Hydro	1398	523	238	8.21	342
	Total Uttarakhand	1398	523	238	8.21	342
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	29	36	0.84	35
	Prahati Gas Turbine (2x104+ 1x122)	330	140	138	3.38	141
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	251	6.03	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.58	149
	Thermal (Total)	2917	584	589	13.82	576
	Total Delhi	2917	584	589	13.82	576
HP	Baspa HPS (IPP) (3*100)	300	149	0	1.25	52
	Malana HPS (IPP) (2*43)	86	0	0	0.23	10
	Other Hydro	878	185	126	3.12	130
	Total HP	1264	334	126	4.59	191
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	18500	16615	428.56	17857
J. Net Inter Regional Exchange [import(+ve)/Export(-ve)]			7064	6648	147.85	6160
Total Regional Availability(Gross)		69078	353368	32720	870.02	36251

IV. Total Hydro Generation:

Regional Entities Hydro	12234	7775	1151	81.31	3388
State Control Area Hydro	6581	1980	1360	39	1641
Total Regional Hydro	18815	9755	2511	120.69	5029

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
	MW	MW	Import	Export	Import	Export	
Vindhyachal(HVDC B/B)	250	-400	0	450	0.00	8.30	-8.30
765 KV Gwalior-Agra (D/C)	2323	2513	3003	0	62.85	0.00	62.85
400 KV Zarda-Kankrol	-119	-159	0	305	0.00	3.32	-3.32
400 KV Zarda-Bhimnal	-31	-101	78	293	0.00	1.44	-1.44
220 KV Auraiya-Malanpur	-98	-64	0	98	0.00	1.84	-1.84
220 KV Badod-Kota/Morak	-2	-38	30	43	0.00	0.77	-0.77
Mundra-Mohindergarh(HVDC Bipole)	2498	1703	2513	0	53.19	0.00	53.19
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	803	839	1059	0	20.92	0.00	20.92
Sub Total WR	5624	4293			136.96	15.67	121.29
Pusauli Bypass/HVDC	400	400	400	0	8.82	0.00	8.82
400 KV MZP- GKP (D/C)	-362	70	76	382	0.00	2.90	-2.90
400 KV Patna-Balia(D/C) X 2	474	469	697	0	12.77	0.00	12.77
400 KV B'Sharif-Balia (D/C)	-76	49	89	191	0.04	0.00	0.04
765 KV Gaya-Balia	174	205	302	0	2.68	0.00	2.68
765 KV Gaya-Fatehpur	87	165	369	0	5.04	0.00	5.04
220 KV Pusauli-Sahupuri	107	130	200	0	3.17	0.00	3.17
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-25	-15	0	30	0.00	0.48	-0.48
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-181	-46	119	196	0.00	0.79	-0.79
400 KV Barh -GKP (D/C)	342	428	488	0	9.67	0.00	9.67
Sub Total ER	940	1855			42.19	4.16	38.04
+/- 800 KV BiswanathChariali-Agra	500	500	0	500	0.00	11.47	-11.47
Sub Total NER	500	500			0.00	11.47	-11.47
Total IR Exch	7064	6648			179.15	31.30	147.85

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
32.50	0.51	33.00	-0.34	-10.60	17.19	20.23	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
55.88	97.91	153.79	26.56	121.29	147.85	-29.32	23.38	-5.94

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
	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-33	-36	0	36	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	0.38	12.43	52.37	64.42	15.94	6.81	0.49	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)			
50.28	5.05	49.75	21.04	49.99	0.058	50.22	49.96	35.58	

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	408	05:03	396	09:37	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	05:09	405	12:36	0.0	0.0	1.7	0.0	1.7
Bareilly(PG)400kV	400	421	05:01	397	14:46	0.0	0.0	0.1	0.0	0.1
Kanpur	400	411	02:00	401	11:34	0.0	0.0	2.8	0.0	2.8
Dadri	400	425	02:01	401	08:24	0.0	0.0	19.6	0.0	19.6
Ballaabgarh	400	431	02:00	404	09:24	0.0	0.0	34.1	0.3	34.1
Bawana	400	428	02:02	404	11:39	0.0	0.0	31.3	0.0	31.3
Bassi	400	425	20:44	390	09:19	0.0	0.0	6.6	0.0	6.6
Hissar	400	420	20:50	395	11:41	0.0	0.0	0.0	0.0	0.0
Moga	400	421	02:01	400	09:05	0.0	0.0	0.3	0.0	0.3
Abdullapur	400	426	20:52	405	09:06	0.0	0.0	25.4	0.0	25.4
Nalagarh	400	434	02:03	408	09:15	0.0	0.0	43.6	12.1	43.6
Kishenpur	400	424	02:01	400	18:07	0.0	0.0	13.0	0.0	13.0
Wagoora	400	403	13:01	372	18:07	14.4	60.9	0.0	0.0	14.4
Amritsar	400	427	01:59	405	09:21	0.0	0.0	34.5	0.0	34.5
Kashipur	400	420	20:44	410	14:43	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	423	02:10	399	09:17	0.0	0.0	33.2	0.0	33.2
Rshikesh	400	411	20:52	384	14:50	0.0	20.7	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	788	20:54	746	09:30	0.0	0.0	0.0	0.0	0.0
Balia	765	784	20:51	750	10:12	0.0	0.0	0.0	0.0	0.0
Moga	765	804	20:51	759	09:06	0.0	0.0	2.0	0.0	2.0
Agra	765	795	20:52	747	09:30	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	20:45	761	09:06	0.0	0.0	3.1	0.0	3.1
Unnao	765	776	05:02	737	11:34	0.0	9.8	0.0	0.0	0.0
Lucknow	765	793	05:02	755	14:46	0.0	0.0	0.0	0.0	0.0
Meerut	765	814	20:52	765	09:06	0.0	0.0	11.5	0.0	11.5
Jhatikara	765	810	02:01	764	09:25	0.0	0.0	23.6	0.0	23.6
Bareilly 765 kV	765	792	05:02	749	14:48	0.0	0.0	0.0	0.0	0.0
Anta	765	778	01:30	751	09:22	0.0	0.0	0.0	0.0	0.0
Phagi	765	791	20:45	741	11:58	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	503.29	1232.31	499.86	1088.42	170.33	519.53
Pong	426.72	384.05	412.78	588.94	407.36	407.15	83.56	396.66
Tehri	829.79	740.04	807.10	745.70	813.75	877.26	64.67	205.00
Koteswar	612.50	598.50	610.69	4.92	609.56	4.21	205.00	192.10
Chamera-I	760.00	748.75	758.25	0.00	0.00	0.00	55.16	50.76
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	501.60	3.81	507.93	2.23	80.17	225.15

* 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	-729	287	0	-1056	206	0	-18.37	5.62	-12.75
Delhi	-1151	-101	0	-566	518	0	-16.51	6.35	-10.16
Haryana	-334	216	0	-359	277	0	-8.50	6.31	-2.18
HP	138	190	0	427	8	0	9.37	-0.73	8.64
J&K	632	0	0	468	207	0	13.42	0.12	13.54
CHD	-30	0	0	0	0	0	-0.24	0.04	-0.20
Rajasthan	-7	708	2	-7	578	2	8.65	14.55	23.20
UP	119	0	0	-196	0	0	-3.59	0.00	-3.59
Uttarakhand	193	243	0	225	502	0	4.80	9.39	14.18
Total	-1169	1542	2	-1064	2295	2	-10.97	41.65	30.68

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-650	-1056	294	162	0	0
Delhi	-399	-1151	729	-101	0	0
Haryana	-334	-359	306	19	0	0
HP	546	138	190	-779	0	0
J&K	632	464	207	-191	0	0
CHD	0	-30	44	-51	0	0
Rajasthan	728	-7	871	-270	2	2
UP	155	-378	0	0	0	0
Uttarakhand	225	193	594	219	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 19.12.2015 :
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 :