

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सख्यक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 29.01.2016

Date of Reporting : 30.01.2016



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
39226	2023	41249	50.05	30710	473	31183	50.11	859.2	46.06

* 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)	UI [OD:(+ve), UD:(-ve)] Shortages *
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	58.60	6.25		64.86	32.41	31.96	-0.45	96.82	0.00
Haryana	59.51	0.24		59.75	62.89	61.28	-1.62	121.03	0.00
Rajasthan	137.17	4.12	23.67	164.97	60.60	62.32	1.73	227.29	0.00
Delhi	13.91			13.91	51.49	50.85	-0.63	64.76	0.02
UP	130.99	3.79		134.78	100.25	101.89	1.63	236.67	35.30
Uttarakhand		9.21		9.21	26.66	28.33	1.67	37.54	0.36
HP		3.04		3.04	23.12	24.15	1.03	27.19	0.00
J & K		5.27	0.00	5.27	38.97	38.77	-0.20	44.03	10.38
Chandigarh				0.00	3.89	3.91	0.27	3.91	0.00
Total	400.18	31.93	23.67	455.78	400.29	403.45	3.42	859.23	46.06

* 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	4129	0	-274	-794	3211	0	-145	-317	5136
Haryana	6605	0	-89	-390	3551	0	-119	-320	6605
Rajasthan	9229	0	193	-78	8813	0	79	666	10545
Delhi	3163	0	-292	-491	1530	0	107	-1464	3819
UP	10611	1505	-235	12	9761	180	191	130	10773
Uttarakhand	1918	0	-6	722	1297	0	124	424	2034
HP	1306	0	53	375	791	0	35	398	1449
J&K	2071	518	69	805	1662	293	-48	730	2071
Chandigarh	195	0	-28	10	95	0	1	-21	229
Total	39226	2023	-610	170	30710	473	224	226	40051

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

Diversity is: 1.07

III. Regional Entities :

Entity	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
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1870	2025	1689	44.15	1840	43.63	0.52
	Rihand I STPS (2*500)	1000	618	763	362	13.23	551	13.01	0.22
	Rihand II STPS (2*500)	1000	956	833	779	20.26	844	19.92	0.35
	Rihand III STPS (2*500)	1000	952	826	858	20.26	844	20.18	0.08
	Dadri I STPS (4*210)	840	815	595	597	14.28	595	14.66	-0.38
	Dadri II STPS (2*490)	980	980	708	694	17.78	741	18.34	-0.57
	Unchahar I TPS (2*210)	420	406	367	318	7.84	327	7.97	-0.13
	Unchahar II TPS (2*210)	420	404	308	303	7.25	302	7.25	-0.01
	Unchahar III TPS (1*220)	210	202	160	154	3.67	153	3.72	-0.05
	ISTPP (Jhajhar) (3*500)	1500	1475	824	602	14.11	588	14.32	-0.21
	Dadri GPS (4*130.19+2*154.51)	830	813	351	365	7.92	330	8.30	-0.38
	Anta GPS (3*88.71+1*153.2)	419	415	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	655	279	292	6.42	268	6.60	-0.18
	Dadri Solar	5	1	0	0	0.01	1	0.02	0.00
	Unchahar Solar	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar	15	2	0	0	0.06	3	0.05	0.01
	KHEP	800	655	554	209	2.09	87	1.97	0.13
Sub Total (A)	12112	11221	8593	7013	179	7473	180	-1	
B. NPC	NAPS (2*220)	440	414	444	453	9.86	411	9.94	-0.07
	RAPS- B (2*220)	440	381	423	426	9.14	381	9.14	0.00
	RAPS- C (2*220)	440	420	455	458	9.82	409	10.08	-0.26
	Sub Total (B)	1320	1215	1322	1337	28.83	1201	29.16	-0.33
C. NHPC	Chamera I HPS (3*180)	540	360	305	0	1.92	80	1.70	0.22
	Chamera II HPS (3*100)	300	225	299	0	1.17	49	1.04	0.13
	Chamera III HPS (3*77)	231	175	209	0	0.65	27	0.57	0.08
	Bairasuli HPS(3*60)	180	124	125	0	0.38	16	0.37	0.00
	Salal-HPS (6*115)	690	106	230	115	2.91	121	2.53	0.38
	Tanakpur-HPS (3*40)	94	17	27	15	0.46	19	0.40	0.06
	Uri-I HPS (4*120)	480	143	213	82	3.72	155	3.43	0.28
	Uri-II HPS (4*60)	240	99	81	83	1.07	45	2.38	-1.30
	Dhauliganga-HPS (4*70)	280	210	138	0	0.72	30	0.63	0.09
	Dulhasi-HPS (3*130)	390	258	271	0	2.84	118	2.60	0.24
	Sewa-II HPS (3*40)	120	119	121	0	0.32	13	0.33	-0.01
Parbati 3 (4*130)	520	0	0	0	0.00	0	0.00	0.00	
Sub Total (C)	4065	1835	2017	294	16	673	16	0	
D.SJVNL	NJPC (6*250)	1500	1080	1080	0	5.99	250	6.00	-0.01
	Rampur HEP (6*68.67)	412	283	300	0	1.67	69	1.60	0.07
Sub Total (D)	1912	1363	1380	0	7.66	319	7.60	0.06	
E. THDC	Tehri HPS (4*250)	1000	860	857	0	7.94	331	7.90	0.04
	Koteshwar HPS (4*100)	400	128	406	90	3.17	132	3.08	0.09
Sub Total (E)	1400	988	1263	90	11.11	463	10.98	0.13	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	589	1035	363	14.07	586	14.14	-0.06
	Dehar HPS (6*165)	990	110	495	0	2.66	111	2.64	0.02
	Pong HPS (6*66)	396	254	318	60	5.95	248	6.09	-0.15
	Sub Total (F)	2765	953	1848	423	22.68	945	22.87	-0.19
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.38	16	0.36	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	585	0	3.38	141	3.36	0.02
	Malana Stg-II HPS (2*50)	100	0	0	0	0.16	7	0.15	0.01
	Shree Cement TPS (2*150)	300	0	296	294	7.08	295	7.14	-0.06
	Budhi HPS(IPP) (2*35)	70	0	35	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	917	294	11.14	464	11.16	-0.02
H. Total Regional Entities (A-G)	25237	17575	17340	9451	276.91	11538	277.71	-0.80	

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	480	8.07	336
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	190	190	4.15	173
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	398	596	11.43	476
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	707	705	21.92	913
	Talwandi Saboo (2*660)	1320	669	351	13.04	543
	Thermal (Total)	5360	2124	2322	58.60	2442
	Total Hydro	1000	267	232	6.25	261
	Total Punjab	6360	2391	2554	64.86	2702
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	471	438	10.55
DCRTPP (Yamuna nagar) (2*300)		600	557	462	12.27	511
Faridabad GPS (NTPC)		432	0	0	0.00	0
RGTPP (khedar) (IPP) (2*600)		1200	1148	791	21.93	914
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	567	741	14.76	615
Thermal (Total)		4944	2743	2432	59.51	2480
Total Hydro		62	4	10	0.24	10
Total Haryana		5006	2747	2442	59.75	2490
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1039	981	25.21
	suratgarh TPS (6*250)	1500	962	1127	23.90	996
	Chabra TPS (4*250)	1000	595	447	14.16	590
	Dholpur GPS (3*110)	330	101	105	2.67	111
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	167	153	3.72	155
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	177	175	4.09	170
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	570	846	17.21	717
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	871	1160	23.11	963
	Kawai(Adani) (2*660)	1320	867	958	23.11	963
	Thermal (Total)	8876	5349	5952	137	5716
	Total Hydro	550	134	131	4.12	172
	Wind power	3214	875	63	20.46	853
	Biomass	99	27	27	0.64	27
	Solar	730	0	0	2.57	107
	Renewable/Others (Total)	4043	902	90	23.67	986
	Total Rajasthan	13469	6385	6173	164.97	6874
	UP	Anpara TPS (3*210+2*500)	1630	1383	1360	33.00
Obra TPS (2*50+2*94+5*200)		1194	266	265	6.20	258
Paricha TPS (2*110+2*220+2*250)		1140	932	843	21.20	883
Panki TPS (2*105)		210	0	0	0.00	0
Harduaagan TPS (1*60+1*105+2*250)		665	322	321	7.50	313
Tanda TPS (NTPC) (4*110)		440	396	375	8.76	365
Roza TPS (IPP) (4*300)		1200	383	378	11.43	476
Anpara-C (IPP) (2*600)		1200	1081	986	23.70	987
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(2*660)		1320	0	0	0.00	0
Bara(2*660)		1320	0	0	0.00	0
Thermal (Total)		11269	4763	4528	112	4658
Vishnuparyag HPS (IPP)(4*110)		440	70	63	1.60	67
Alakanada(4*82.5)		330	72	0	1.01	42
Other Hydro		527	42	3	1.18	49
Cogeneration		981	800	800	19.20	800
Total UP	13547	5747	5394	135	5616	
Uttarakhand	Total Hydro	1398	625	273	9.21	384
	Total Uttarakhand	1398	625	273	9.21	384
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	40	33	0.90	37
	Praagati Gas Turbine (2x104+ 1x122)	330	139	142	3.44	143
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	251	6.03	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	162	162	3.55	148
	Thermal (Total)	2917	592	588	13.91	579
	Total Delhi	2917	592	588	13.91	579
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.74	31
	Malana HPS (IPP) (2*43)	86	0	0	0.18	7
	Other Hydro	878	127	51	2.13	89
	Total HP	1264	127	51	3.04	127
J & K	Baglihar HPS (IPP) (3*150)	450	143	143	3.43	143
	Other Hydro/IPP	560	94	66	1.84	77
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	237	209	5.27	219
Total State Control Area Generation		45161	18851	17684	455.78	18991
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			6543	5948	155.99	6500
Total Regional Availability(Gross)		70398	42734	33083	888.69	37029

IV. Total Hydro Generation:

Regional Entities Hydro	12234	7647	807	63.60	2650
State Control Area Hydro	6581	1578	972	32	1330
Total Regional Hydro	18815	9225	1779	95.53	3981

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)	200	50	200	0	2.31	0.00	2.31
765 KV Gwalior-Agra (D/C)	2421	2018	2990	0	62.00	0.00	62.00
400 KV Zerda-Kankroli	-129	-257	0	257	0.00	2.80	-2.80
400 KV Zerda-Bhinmal	28	-145	81	296	0.00	1.91	-1.91
220 KV Auraiya-Malanpur	-82	-78	0	96	0.00	1.84	-1.84
220 KV Badod-Kota/Morak	-18	-32	8	52	0.00	0.79	-0.79
Mundra-Mohindergarh(HVDC Bipole)	2497	2498	2507	0	60.44	0.00	60.44
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Phagi-Gwalior (D/C)	536	600	954	0	16.63	0.00	16.63
Sub Total WR	5453	4654			141.37	7.33	134.04
Pusauli Bypass/HVDC	400	400	400	0	8.98	0.00	8.98
400 KV MZP- GKP (D/C)	180	148	106	454	0.00	4.63	-4.63
400 KV Patna-Balia(D/C) X 2	306	549	687	0	11.11	0.00	11.11
400 KV B' Sharif-Balia (D/C)	59	-76	148	197	0.00	0.44	-0.44
765 KV Gaya-Balia	289	244	309	0	2.33	0.00	2.33
765 KV Gaya-Fatehpur	-41	91	252	41	3.48	0.00	3.48
220 KV Pusauli-Sahupuri	152	135	191	0	3.29	0.00	3.29
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-24	-23	0	29	0.00	0.58	-0.58
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-275	-134	64	275	0.00	2.14	-2.14
400 KV Barh -GKP (D/C)	544	460	706	0	11.69	0.00	11.69
Sub Total ER	1590	1794			41.84	7.80	34.04
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500	0.00	12.09	-12.09
Sub Total NER	-500	-500			0.00	12.09	-12.09
Total IR Exch	6543	5948			183.21	27.22	155.99

V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdli (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
34.24	0.21	34.45	-1.62	-4.61	9.16	0.01	4.93	-4.93
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
46.92	105.42	152.34	21.95	134.04	155.99	-24.97	28.62	3.65

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	-31	-29	0	31	0	1	-0.70

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	0.13	6.48	45.65	70.82	17.49	5.29	0.46	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)			
50.32	18.02	49.77	6.49	50.00	0.045	0.067	50.22	49.90	29.18

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	407	04:01	400	09:27	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	05:02	395	10:10	0.0	0.0	0.4	0.0	0.4
Bareilly(PG)400kV	400	424	05:02	397	10:11	0.0	0.0	6.3	0.0	6.3
Kanpur	400	422	05:02	400	10:08	0.0	0.0	0.5	0.0	0.5
Dadrn	400	424	02:35	405	10:09	0.0	0.0	20.6	0.0	20.6
Ballabgarh	400	430	02:49	408	12:18	0.0	0.0	40.0	0.0	40.0
Bawana	400	428	02:40	408	10:11	0.0	0.0	38.0	0.0	38.0
Bassi	400	424	20:38	395	12:17	0.0	0.0	6.5	0.0	6.5
Hissar	400	421	20:38	402	10:11	0.0	0.0	0.3	0.0	0.3
Moga	400	423	20:40	408	09:46	0.0	0.0	3.3	0.0	3.3
Abdullapur	400	427	20:38	410	12:07	0.0	0.0	33.4	0.0	33.4
Nalagarh	400	434	00:00	414	07:37	0.0	0.0	69.6	3.5	69.6
Kishenpur	400	421	23:55	396	06:49	0.0	0.0	0.2	0.0	0.2
Wagoora	400	398	15:32	364	18:23	38.3	95.2	0.0	0.0	38.3
Amritsar	400	428	00:24	414	08:51	0.0	0.0	52.4	0.0	52.4
Kashipur	400	423	05:00	410	09:35	0.0	0.0	17.7	0.0	17.7
Hamirpur	400	426	00:00	410	11:07	0.0	0.0	29.5	0.0	29.5
Rishkesh	400	424	05:01	391	10:14	0.0	0.0	11.2	0.0	11.2

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	779	04:01	736	10:11	0.0	3.9	0.0	0.0	0.0
Balia	765	773	05:02	725	10:14	1.9	6.7	0.0	0.0	1.9
Moga	765	804	20:38	771	12:18	0.0	0.0	1.7	0.0	1.7
Agra	765	792	02:55	754	10:11	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	20:39	765	12:19	0.0	0.0	1.2	0.0	1.2
Unnao	765	776	05:01	729	10:12	0.0	21.5	0.0	0.0	0.0
Lucknow	765	792	05:02	742	10:12	0.0	0.0	0.0	0.0	0.0
Meerut	765	809	02:53	769	12:21	0.0	0.0	24.5	0.0	24.5
Jhatikara	765					0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	796	05:02	746	10:11	0.0	0.0	0.0	0.0	0.0
Anta	765	781	05:04	762	08:51	0.0	0.0	0.0	0.0	0.0
Phagi	765	788	04:00	750	12:20	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	495.86	937.45	492.44	817.99	165.34	448.34
Pong	426.72	384.05	405.82	361.16	401.41	252.05	63.29	413.23
Tehri	829.79	740.04	789.00	439.29	798.80	590.00	72.35	220.00
Koteshwar	612.50	598.50	611.08	5.12	610.27	4.69	220.00	208.28
Chamera-I	760.00	748.75	758.34	0.00	0.00	0.00	47.36	51.76
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	298.70	295.78	0.00	0.00	0.00	0.00	0.00	0.00
RSD	527.91	487.91	495.68	0.18	502.82	2.08	41.87	62.22

* 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	-455	137	0	-910	117	0	-16.08	0.75	-15.33
Delhi	-946	-518	0	-546	55	0	-14.69	-4.15	-18.84
Haryana	-595	275	0	-651	261	0	-16.91	3.26	-13.66
HP	143	254	0	205	170	0	10.32	0.89	11.21
J&K	720	11	0	781	23	0	16.79	0.56	17.35
CHD	-31	10	0	0	10	0	-0.25	0.40	0.16
Rajasthan	-7	670	3	-7	-73	2	6.97	7.61	14.58
UP	130	0	0	12	0	0	-2.80	0.00	-2.80
Uttarakhand	383	41	0	383	339	0	10.10	3.44	13.54
Total	-658	880	3	-733	901	2	-6.55	12.76	6.21

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-455	-910	137	-642	0	0
Delhi	-283	-976	148	-531	0	0
Haryana	-595	-856	279	-346	0	0
HP	655	143	327	-674	0	0
J&K	781	570	132	-77	0	0
CHD	0	-31	47	0	0	0
Rajasthan	692	-7	675	-426	3	0
UP	176	-373	0	0	0	0
Uttarakhand	603	383	407	7	0	0

XI. System Reliability Indices(Violation of TTC and ATC):

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

WR	0.00%
ER	0.00%
Simultaneous	0.00%

(ii)%age of times ATC violated on the inter-regional corridors

WR	2.08%
ER	0.00%
Simultaneous	28.13%

XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 29.01.2016 :

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 :