

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिस्ट की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 20.10.2015

Date of Reporting : 21.10.2015

I. Regional Availability/Demand:

Demand Met	Evening Peak (19:00 Hrs) MW			Demand Met	Off Peak (03:00 Hrs) MW			Day Energy (Net MU)	
	Shortage	Requirement	Freq* (Hz)		Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
42465	838	43303	50.15	37132	2250	39382	50.13	938.1	52.75

* 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)	UI (OD:(+ve), UD: (-ve))
	Thermal	Hydro	Renewable/others \$	Total						
Punjab	57.44	10.63		68.07	50.80	51.39	0.59	119.46	0.00	
Haryana	70.25	0.53		70.78	65.62	65.64	0.03	136.42	0.00	
Rajasthan	133.36	3.97	8.21	145.54	69.91	71.87	1.96	217.41	0.00	
Delhi	12.06			12.06	75.05	74.28	-0.76	86.34	0.05	
UP	144.96	9.73		154.69	125.59	125.32	-0.28	280.00	44.38	
Uttarakhand		14.29		14.29	18.41	21.05	2.64	35.34	0.00	
HP		8.19		8.19	15.24	15.88	0.64	24.06	0.00	
J & K		12.24	0.00	12.24	25.03	22.83	-2.20	35.07	8.33	
Chandigarh				0.00	3.99	4.04	0.27	4.04	0.00	
Total	418.05	59.58	8.21	485.84	449.64	452.30	2.88	938.14	52.75	

* 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)	UI (OD:(+ve), UD/Import: (+ve), UD/Export: (-ve))
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction		
Punjab	5132	0	-230	-446	4636	0	178	-505	5722	
Haryana	7176	0	28	-299	4631	0	173	-282	7176	
Rajasthan	9010	0	-163	624	9588	0	196	749	9911	
Delhi	4051	0	6	331	3296	0	81	-47	4100	
UP	12068	370	-249	96	11696	2060	12	250	12809	
Uttarakhand	1773	0	165	274	1266	0	71	197	1773	
HP	1179	0	23	-410	814	0	32	69	1237	
J&K	1872	468	13	90	1079	190	-203	204	1872	
Chandigarh	206	0	-7	-8	126	0	7	0	208	
Total	42465	838	-414	252	37132	2250	547	634	43193	

* STOA figures are at sellers boundary & PX figures are at regional boundary.

figures may not be at simultaneous hour.

Diversity is 1.04

III. Regional Entities :

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 (OG:(+ve), UG: (-ve))	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1875	1872	2058	45.44	1893	44.86	0.58	
Rihand I STPS (2*500)	1000	870	789	915	20.23	843	20.44	-0.21	
Rihand II STPS (2*500)	1000	669	721	610	15.68	653	15.20	0.48	
Rihand III STPS (2*500)	1000	480	409	494	11.09	462	11.06	0.03	
Dadri I STPS (4*210)	840	800	352	270	7.79	324	8.08	-0.30	
Dadri II STPS (2*490)	980	970	695	656	16.80	700	18.03	-1.23	
Uncharhar I TPS (2*210)	420	200	170	152	3.78	158	4.62	-0.84	
Uncharhar II TPS (2*210)	420	400	307	355	7.64	318	8.66	-1.02	
Uncharhar III TPS (1*220)	210	200	164	134	3.52	147	4.16	-0.64	
ISTPP (Jhajjar) (3*500)	1500	1436	723	651	15.46	644	15.73	-0.27	
Dadri GPS (4*130.19+2*154.51)	830	607	447	560	11.20	467	11.27	-0.07	
Anta GPS (3*88.71+1*153.2)	419	409	-1	-1	0.00	0	0.00	0.00	
Auraiya GPS (4*111.19+2*109.30)	663	528	244	249	5.87	245	5.88	-0.01	
Dadri Solar	5	1	0	0	0.02	1	0.02	-0.01	
Uncharhar Solar	10	3	0	0	0.03	1	0.06	-0.04	
Singrauli Solar	15	3	0	0	0.03	1	0.08	-0.05	
KHEP	800	860	622	0	4.93	205	4.55	0.38	
Sub Total (A)	12112	10311	7514	7103	170	7063	173	-3	
B. NPC									
NAPS (2*220)	440	392	425	430	9.34	389	9.41	-0.06	
RAPS- B (2*220)	440	395	436	441	9.51	396	9.48	0.03	
RAPS- C (2*220)	440	200	229	227	4.42	184	4.80	-0.38	
Sub Total (B)	1320	987	1090	1098	23.27	970	23.69	-0.41	
C. NHPC									
Chamera I HPS (3*180)	540	535	100	0	1.65	69	1.60	0.05	
Chamera II HPS (3*100)	300	300	274	0	2.59	108	2.43	0.16	
Chamera III HPS (3*77)	231	229	231	0	1.66	69	1.55	0.11	
Bairasuli HPS(3*60)	180	179	175	0	1.34	56	1.27	0.07	
Saikal-HPS (6*115)	690	399	450	450	10.01	417	9.45	0.56	
Tanakpur-HPS (3*40)	94	45	59	51	1.22	51	1.09	0.13	
Uri-I HPS (4*120)	480	291	318	304	7.63	318	6.90	0.73	
Uri-II HPS (4*60)	240	194	231	168	4.84	202	4.66	0.18	
Dhauliganga-HPS (4*70)	280	280	280	0	1.99	83	1.89	0.10	
Dulhasti-HPS (3*130)	390	257	264	264	6.28	262	6.17	0.11	
Sewa-II HPS (3*40)	120	119	130	0	0.96	40	0.75	0.21	
Parbati 3 (4*130)	520	260	131	0	0.81	34	0.78	0.03	
Sub Total (C)	4065	3089	2643	1237	41	1707	39	2	
D.SJVNL									
NJPC (6*250)	1500	1605	1397	0	13.11	546	12.99	0.13	
Rampur HEP (6*68.67)	412	432	379	0	3.76	157	3.62	0.15	
Sub Total (D)	1912	2037	1776	0	16.88	703	16.60	0.27	
E. THDC									
Tehri HPS (4*250)	1000	1080	926	0	6.73	281	6.40	0.33	
Koteshwar HPS (4*100)	400	92	101	90	2.23	93	2.20	0.03	
Sub Total (E)	1400	1172	1027	90	8.96	373	8.60	0.36	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	620	1041	368	15.15	631	14.88	0.27	
Dehar HPS (6*165)	990	242	660	140	5.86	244	5.81	0.05	
Pong HPS (6*66)	396	206	318	132	5.01	209	4.95	0.06	
Sub Total (F)	2765	1068	2019	640	26.02	1084	25.64	0.38	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	44	0	0.95	40	0.92	0.03	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	800	250	6.98	291	6.96	0.03	
Malana Stg-II HPS (2*50)	100	0	104	14	0.53	22	0.53	0.00	
Shree Cement TPS (2*150)	300	0	258	257	6.16	257	6.22	-0.07	
Budhil HPS(IPP) (2*35)	70	0	75	0	0.41	17	0.41	-0.01	
Sub Total (G)	1662	0	1281	521	15.03	626	15.04	-0.01	
H. Total Regional Entities (A-G)	25237	18664	17350	10690	300.64	12527	300.82	-0.18	

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	320	320	7.19	300
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	115	90	2.19	91
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	205	204	4.56	190
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	707	1374	27.22	1134
	Talwandi Saboo (1*660)	660	788	653	16.28	678
	Thermal (Total)	4700	2135	2641	57.44	2393
Total Hydro	1000	459	429	10.63	443	
Total Punjab	5700	2594	3070	68.07	2836	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	634	622	14.69	612
	DCRTPP (Yamuna nagar) (2*300)	600	514	476	12.36	515
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTTP (khedar) (IPP) (2*600)	1200	1145	745	22.56	940
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar (CLP) (2*660)	1320	1211	638	20.64	860
	Thermal (Total)	4944	3504	2481	70.25	2927
	Total Hydro	62	16	17	0.53	22
	Total Haryana	5006	3520	2498	70.78	2949
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	838	926	21.20
suratgarh TPS (6*250)		1500	996	1123	24.95	1040
Chabra TPS (4*250)		1000	224	203	5.04	210
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	205	210	5.24	218
RAPS A (NPC) (1*100+1*200)		300	157	161	3.95	165
Barsingar (NLC) (2*125)		250	168	162	3.87	161
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	694	715	16.29	679
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	1107	1160	25.10	1046
Kawati(Adani) (2*660)		1320	1165	1164	27.72	1155
Thermal (Total)		8876	5554	5824	133	5557
Total Hydro		550	111	175	3.97	165
Wind power		3214	387	608	7.50	312
Biomass		99	18	18	0.43	18
Solar		730	1	0	0.28	12
Renewable/Others (Total)		4043	406	626	8.21	342
Total Rajasthan		13469	6071	6625	145.54	6064
UP		Anpara TPS (3*210+2*500)	1630	932	891	21.63
	Obra TPS (2*50+2*94+5*200)	1194	455	473	10.87	453
	Paricha TPS (2*110+2*220+2*250)	1140	624	654	14.79	616
	Panki TPS (2*105)	210	45	50	12.06	502
	Haridwar TPS (1*60+1*105+2*250)	665	532	450	12.06	502
	Tanda TPS (NTPC) (4*110)	440	380	380	9.13	380
	Roza TPS (IPP) (4*300)	1200	1107	1098	26.59	1108
	Anpara-C (IPP) (2*600)	1200	1080	1080	25.84	1077
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	405	405	9.60	400
	Anpara-D(1*500)	500	0	0	0.00	0
	Lalitpur TPS(1*660)	660	0	0	0.00	0
	Thermal (Total)	9289	5560	5481	143	5940
	Vishnuparyag HPS (IPP)(4*110)	440	197	197	4.66	194
	Alakanada(4*82.5)	330	122	122	2.74	114
	Other Hydro	527	124	49	2.33	97
	Cogeneration	981	100	100	2.40	100
	Total UP	11567	6103	5949	155	6445
Uttarakhand	Total Hydro	1398	602	578	14.29	595
	Total Uttarakhand	1398	602	578	14.29	595
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	38	37	0.89	37
	Pragati Gas Turbine (2x104+ 1x122)	330	51	150	1.65	69
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	248	251	5.98	249
	Badarpur TPS (NTPC) (3*95+2*210)	705	158	165	3.56	148
	Thermal (Total)	2917	495	603	12.06	502
	Total Delhi	2917	495	603	12.06	502
HP	Baspa HPS (IPP) (3*100)	300	33	65	2.07	86
	Malana HPS (IPP) (2*43)	86	75	44	0.53	22
	Other Hydro	878	241	224	5.59	233
	Total HP	1264	349	333	8.19	341
J & K	Baglihar HPS (IPP) (3*150)	450	440	440	10.56	440
	Other Hydro/IPP	560	96	58	1.68	70
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	536	498	12.24	510
Total State Control Area Generation		42521	20270	20154	485.84	20243
J. Net Inter Regional Exchange (Import +ve)/Export (-ve)]			6074	6517	167.25	6969
Total Regional Availability(Gross)		67758	43694	37361	953.73	39739

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9036	2231	106.22	4426
State Control Area Hydro	6581	2516	2398	60	2482
Total Regional Hydro	18815	11552	4629	165.80	6908

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	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	50	50	50	0	50	0	1.20	0.00	1.20
765 KV Gwalior-Agra (D/C)	2231	2182	2765	0	2765	0	56.94	0.00	56.94
400 KV Zerda-Kankrol	-22	-67	53	67	0	0	0.00	0.29	-0.29
400 KV Zerda-Bhinmal	0	-18	162	48	0	0	1.24	0.00	1.24
220 KV Auraiya-Malanpur	-88	-129	0	129	0	0	0.00	2.07	-2.07
220 KV Badoh-Kota/Morak	1	-48	32	65	0	0	0.78	0.00	0.78
Mundra-Mohindergarh(HVDC Bipole)	2115	2115	2120	0	0	0	51.12	0.00	51.12
400 KV Vindhychal - Rihand	0	0	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	619	743	481	0	0	0	18.25	0.00	18.25
Sub Total WR	4906	4828					129.53	2.35	127.17
Pusaali Bypass/HVDC	400	400	400	0	0	0	9.01	0.00	9.01
400 KV MZP- GKP (D/C)	8	242	356	0	0	0	4.64	0.00	4.64
400 KV Patna-Balia(D/C) X 2	304	307	462	0	0	0	8.76	0.00	8.76
400 KV B'Shanif-Balia (D/C)	45	83	196	0	0	0	2.44	0.00	2.44
765 KV Gaya-Balia	138	131	226	0	0	0	1.89	0.00	1.89
765 KV Gaya-Fatehpur	33	162	265	0	0	0	4.45	0.00	4.45
220 KV Pusaali-Sahupuri	175	111	185	0	0	0	3.56	0.00	3.56
132 KV K'nasa-Sahupuri	0	0	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-30	-20	0	32	0	0	0.00	0.96	-0.96
132 KV Garhwa-Rihand	0	0	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-171	-25	69	171	0	0	0.00	0.26	-0.26
400 KV Barh -GKP (D/C)	266	298	319	0	0	0	6.55	0.00	6.55
Sub Total ER	1168	1689					41.30	1.22	40.08
+/- 800 KV BiswanathChariali-Agra	0	0	0	0	0	0	0.00	0.00	0.00
Sub Total NER	0	0					0.00	0.00	0.00
Total IR Exch	6074	6517					170.83	3.58	167.25

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

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange ShdI (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
44.60	1.94	46.54	3.83	-19.72	13.01	18.74	1.63	-1.63
Total IR Schedule (MU)			Total IR Actual (MU)				Net IR UI (MU)	
Through ER	Through WR Incids Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
65.01	97.00	162.00	40.08	127.17	167.25	-24.93	30.17	5.25

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	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	0	0	0	0	0	0	0	0	0.00

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	0.05	8.21	55.20	76.63	11.38	4.14	0.00	0.00

<----- Frequency (Hz) ----->

Maximum				Minimum				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Freq	Time	Freq	Time	Hz	Hz	MAX (Hz)	MIN (Hz)					
50.18	12.01	49.79	23.39	49.99	0.040	0.063	50.18	49.93				

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV
Rihand	400	400	00:00	397	23:04	0.0	0.0	0.0	0.0
Gorakhpur	400	420	07:38	403	18:52	0.0	0.0	0.0	0.0
Bareilly	400	414	04:02	399	18:36	0.0	0.0	0.0	0.0
Kanpur	400	411	04:02	403	18:52	0.0	0.0	0.0	0.0
Dadri	400	427	02:59	400	18:37	0.0	0.0	0.0	0.0
Ballabhgarh	400	423	02:59	402	18:39	0.0	0.0	6.5	0.0
Bawana	400	420	02:54	402	18:37	0.0	0.0	0.0	0.0
Bassi	400	418	21:29	398	23:06	0.0	0.0	0.0	0.0
Hissar	400	416	02:57	397	18:37	0.0	0.0	0.0	0.0
Moga	400	414	23:57	401	18:37	0.0	0.0	0.0	0.0
Abdullapur	400	424	02:54	399	18:49	0.0	0.0	6.6	0.0
Nalagarh	400	430	02:58	405	18:45	0.0	0.0	26.8	0.0
Kishenpur	400	427	03:51	394	18:41	0.0	0.0	20.1	0.0
Wagoora	400	414	03:59	368	18:40	10.8	26.6	0.0	0.0
Amritsar	400	425	02:57	403	11:11	0.0	0.0	16.6	0.0
Kashipur	400	418	02:54	410	18:28	0.0	0.0	0.0	0.0
Hamirpur	400	419	04:24	400	10:34	0.0	0.0	0.0	0.0
Rishikesh	400	410	03:59	384	18:37	0.0	10.8	0.0	0.0

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV
Fatehpur	765	775	07:59	749	18:40	0.0	0.0	0.0	0.0
Balia	765	777	08:00	748	18:40	0.0	0.0	0.0	0.0
Moga	765	788	21:32	765	18:41	0.0	0.0	0.0	0.0
Agra	765	784	04:01	762	10:27	0.0	0.0	0.0	0.0
Bhiwani	765	797	02:51	766	18:56	0.0	0.0	0.0	0.0
Unnao	765	765	08:03	738	18:40	0.0	1.5	0.0	0.0
Lucknow	765	777	08:01	751	18:41	0.0	0.0	0.0	0.0
Meerut	765	806	02:59	771	18:37	0.0	0.0	8.0	0.0
Jhatikara	765	805	00:00	758	00:00	0.0	0.0	0.0	0.0
Bareilly	765	804	00:00	753	00:00	0.0	0.0	0.0	0.0
Anta	765	776	20:40	761	22:54	0.0	0.0	0.0	0.0
Phagi	765	779	20:41	755	00:01	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	510.02	1545.02	508.23	1455.60	304.49	420.19
Pong	426.72	384.05	419.53	861.93	414.95	668.52	90.56	294.24
Tehri	829.79	740.04	819.15	988.55	824.35	1094.20	96.96	151.00
Koteshwar	612.50	598.50	611.40	5.20	608.90	4.21	151.00	146.62
Chamera-I	760.00	748.75	759.08	0.00	0.00	0.00	94.33	45.07
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	512.36	3.59	511.08	3.22	63.90	148.59

* 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	-592	87	0	-598	152	0	-11.01	3.07	-7.94
Delhi	-221	173	0	-120	451	0	-3.84	9.79	5.95
Haryana	-542	259	0	-542	243	0	-13.00	5.31	-7.69
HP	-50	119	0	127	-537	0	1.34	-1.92	-0.58
J&K	214	-10	0	115	-25	0	3.89	0.58	4.48
CHD	0	0	0	0	-8	0	0.00	0.05	0.05
Rajasthan	-5	752	2	-5	627	2	1.63	19.94	21.57
UP	250	0	0	96	0	0	3.46	0.00	3.46
Uttarakhand	197	0	0	197	77	0	4.72	1.30	6.02
Total	-749	1381	2	-731	981	2	-12.82	38.13	25.31

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-194	-598	184	75	0	0
Delhi	-120	-221	812	99	0	0
Haryana	-542	-542	276	-196	0	0
HP	127	-50	119	-673	0	0
J&K	214	115	114	-25	0	0
CHD	0	0	44	-40	0	0
Rajasthan	190	-5	1468	170	2	2
UP	281	14	0	0	0	0
Uttarakhand	197	197	247	-81	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 20.10.2015 :
Normal.

XIV. Synchronisation of new generating units :

XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :

XVI. Tripping of lines in pooling stations :

XVII. Complete generation loss in a generating station :