

पॉवर सिस्टम ऑपरेशन कापरिशन लिमिटेड
(राज्यद्वारा पूर्ण स्वामित्व प्राप्त सहायक कंपनी)
उत्तरी क्षेत्रीय भार प्रेषण केंद्र
CIN: U40105DL2009GO188682
Power Supply Position in Northern Region for 13.05.2016
Date of Reporting : 14.05.2016



I. Regional Availability/Demand:

Evening Peak (20:00 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
42726	520	43246	50.08	44588	421	45009	50.03	1042.9	11.51

* Half hourly (over 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	63.34	10.59		73.93	75.31	75.38	0.07	149.31	0.00
Haryana	44.61	0.47		45.07	98.26	96.62	-1.64	141.69	0.00
Rajasthan	127.75	0.00	18.61	146.36	55.12	55.30	0.18	201.66	0.00
Delhi	17.92			17.92	91.28	90.99	-0.29	108.91	0.11
UP	168.36	13.78		182.14	144.61	143.28	-1.33	325.42	0.00
Uttarakhand		16.31		16.31	22.80	24.39	1.59	40.70	0.41
HP		16.87		16.87	7.30	8.69	1.39	25.56	0.00
J & K		19.55	0.00	19.55	18.38	24.44	6.06	43.99	11.00
Chandigarh				0.00	5.62	5.67	0.27	5.67	0.00
Total	421.98	77.56	18.61	518.15	518.69	524.76	6.29	1042.91	11.51

* 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 (20:00 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	5212	0	-533	-170	6284	0	-108	303	6866
Haryana	6727	0	-145	524	6648	0	-198	549	6895
Rajasthan	7999	0	-227	131	8653	0	90	51	9651
Delhi	4278	0	-50	456	4644	0	340	330	5339
UP	13413	0	-22	1127	14014	0	-180	1578	14073
Uttarakhand	1897	40	39	363	1578	0	-38	291	1897
HP	1023	0	-13	-1183	882	0	-27	-839	1241
J&K	1921	480	409	-631	1685	421	33	-646	2073
Chandigarh	256	0	-5	0	200	0	-12	0	298
Total	42726	520	-546	617	44588	421	-100	1617	46215

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

III. Regional Entities

Station/Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI Net MU
A. NTPC								
Singrauli STPS (6*200+2*500)	2000	1161	1348	1310	27.97	1165	26.62	1.35
Rihand I STPS (2*500)	1000	780	772	753	17.82	743	17.51	0.31
Rihand II STPS (2*500)	1000	963	1035	1021	22.49	937	22.13	0.36
Rihand III STPS (2*500)	1000	963	1013	1022	22.49	937	22.56	-0.08
Dadri I STPS (4*210)	840	805	410	407	10.37	432	10.69	-0.32
Dadri II STPS (2*490)	980	970	628	717	17.39	724	18.16	-0.77
Unchahar I TPS (2*210)	420	346	295	358	7.51	313	7.73	-0.22
Unchahar II TPS (2*210)	420	396	294	381	7.89	329	8.23	-0.34
Unchahar III TPS (1*210)	210	200	151	196	4.17	174	4.26	-0.09
ISTPP (Jhajjar) (3*500)	1500	1425	1317	1162	24.23	1010	24.39	-0.16
Dadri GPS (4*130.19+2*154.51)	830	781	171	307	5.36	223	5.56	-0.20
Anta GPS (3*88.71+1*153.2)	419	392	0	198	0.78	33	0.87	-0.08
Auraya GPS (4*111.19+2*109.30)	663	622	136	139	3.32	138	3.46	-0.14
Dadri Solar(5)	5	1	0	0	0.00	0	0.02	-0.02
Unchahar Solar(10)	10	2	0	0	0.00	0	0.05	-0.05
Singrauli Solar(15)	15	3	0	0	0.00	0	0.06	-0.06
KHEP(4*200)	800	872	865	596	9.23	385	9.00	0.23
Sub Total (A)	12112	10681	8435	8567	181	7543	181	0
B. NPC								
NAPS (2*220)	440	378	195	195	8.71	363	9.06	-0.35
RAPS- B (2*220)	440	372	410	412	8.79	366	8.93	-0.14
RAPS- C (2*220)	440	410	435	440	9.39	391	9.84	-0.45
Sub Total (B)	1320	1160	1040	1047	26.90	1121	27.83	-0.93
C. NHPC								
Chamera I HPS (3*180)	540	535	536	539	12.89	537	12.75	0.14
Chamera II HPS (3*100)	300	300	313	204	6.84	285	6.74	0.10
Chamera III HPS (3*77)	231	229	226	150	4.43	185	4.42	0.02
Bairasul HPS(3*60)	180	179	183	124	2.63	110	2.56	0.07
Salal-HPS (6*115)	690	567	661	572	14.03	585	13.68	0.35
Tanakpur-HPS (3*31.4)	94	36	57	61	1.00	42	0.84	0.16
Uri-I HPS (4*120)	480	475	476	475	11.57	482	11.40	0.17
Uri-II HPS (4*60)	240	237	241	240	5.73	239	5.69	0.04
Dhauliganga-HPS (4*70)	280	280	229	70	3.32	138	3.09	0.23
Dulhasti-HPS (3*130)	390	387	406	404	9.38	391	9.29	0.09
Sewa-II HPS (3*40)	120	119	128	120	2.90	121	2.84	0.07
Parbati 3 (4*130)	520	260	130	0	2.03	84	1.96	0.07
Sub Total (C)	4065	3605	3586	2958	77	3198	75	1
D. SJVNL								
NJPC (6*250)	1500	1605	1620	1199	32.94	1373	32.83	0.11
Rampur HEP (6*68.67)	412	442	447	338	9.26	386	9.10	0.16
Sub Total (D)	1912	2047	2067	1537	42.21	1759	41.93	0.27
E. THDC								
Tehri HPS (4*250)	1000	256	258	132	3.05	127	3.00	0.05
Koteshwar HPS (4*100)	400	82	189	66	1.92	80	1.89	0.03
Sub Total (E)	1400	338	447	198	4.97	207	4.89	0.08
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	614	1026	443	14.97	624	14.72	0.25
Dehar HPS (6*165)	990	509	660	495	12.20	508	12.21	-0.01
Pong HPS (6*66)	396	96	150	50	2.32	97	2.31	0.01
Sub Total (F)	2765	1219	1836	988	29.49	1229	29.25	0.25
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*1000)	192	0	89	92	2.02	84	1.92	0.10
KARCHAM WANGTOO HPS(IPP) (2*1000)	1000	0	890	732	18.34	764	17.92	0.42
Malana Stg-II HPS (2*50)	100	0	108	45	0.96	40	0.94	0.02
Shree Cement TPS (2*150)	300	0	282	167	5.63	235	6.00	-0.37
Budhil HPS(IPP) (2*35)	70	0	40	39	0.92	38	0.94	-0.02
Sub Total (G)	1662	0	1409	1074	27.87	1161	27.72	0.15
H. Total Regional Entities (A-G)	25237	19050	18819	16369	389.22	16218	388.17	1.05

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	684	540	15.08	628
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.45	102
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	815	852	19.60	817
	Goindwal(GVK) (2*270)	540	0	0	-0.06	-2
	Rajpura (2*700)	1400	660	1320	26.53	1106
	Talwandi Saboo (3*660)	1980	0	0	-0.27	-11
	Thermal (Total)	6560	2259	2812	63.34	2639
	Total Hydro	1000	432	438	10.59	441
	Total Punjab	7560	2691	3250	73.93	3080
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	392	424	9.55
DCRTPP (Yamuna nagar) (2*300)		600	0	0	0.00	0
Faridabad GPS (NTPC)(2*137.75+1*156)		432	160	187	4.03	168
RGTPP (khedar) (IPP) (2*600)		1200	430	572	9.82	409
Maqum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	1077	1114	21.22	884
Thermal (Total)		4944	2059	2297	44.61	1859
Total Hydro		62	22	23	0.47	19
Total Haryana		5006	2081	2320	45.07	1878
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	809	776	19.12
	suratgarh TPS (6*250)	1500	770	962	20.75	865
	Chabra TPS (4*250)	1000	752	809	19.18	799
	Dholpur GPS (3*110)	330	94	100	2.53	105
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	188	180	4.59	191
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingar (NLC) (2*125)	250	82	83	1.85	77
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	406	396	12.97	540
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	810	812	21.34	889
	Kawai(Adani) (2*660)	1320	957	873	25.44	1060
	Thermal (Total)	8876	4868	4991	128	5323
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	826	1151	18.07	753
	Biomass	99	18	18	0.44	18
	Solar	730	0	0	0.11	4
Renewable/Others (Total)	4043	844	1169	18.61	775	
Total Rajasthan	13469	5712	6160	146.36	6098	
UP	Anpara TPS (3*210+2*500)	1630	1247	1407	31.67	1320
	Obra TPS (2*50+2*94+5*200)	1194	572	467	12.89	537
	Paricha TPS (2*110+2*220+2*250)	1160	658	914	22.00	917
	Panki TPS (2*105)	210	131	131	3.12	130
	Harduaganj TPS (1*60+1*105+2*250)	665	539	544	12.92	538
	Tanda TPS (NTPC) (4*110)	440	385	383	9.15	381
	Roza TPS (IPP) (4*300)	1200	1094	1089	24.68	1028
	Anpara-C (IPP) (2*600)	1200	1071	1080	25.75	1073
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	283	405	7.58	316
	Anpara-D(2*500)	1000	262	454	10.04	419
	Lalitpur TPS(3*660)	1980	350	0	6.16	257
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	12449	6592	6874	166	6915
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	9.67	403
	Alakananda(4*82.5)	330	169	84	2.96	123
	Other Hydro	527	59	20	1.15	48
	Cogeneration	981	100	100	2.40	100
Total UP	14727	7355	7513	182	7589	
Uttarakhand	Total Hydro	1398	714	642	16.31	680
	Total Uttarakhand	1398	714	642	16.31	680
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	100	71	1.67	70
	Praagati Gas Turbine (2x104+ 1x122)	330	199	263	6.33	264
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	254	254	6.09	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	180	162	3.83	160
	Thermal (Total)	2917	733	750	17.92	747
	Total Delhi	2917	733	750	17.92	747
HP	Baspa HPS (IPP) (3*100)	300	335	305	7.10	296
	Malana HPS (IPP) (2*43)	86	81	40	0.88	37
	Other Hydro	878	378	380	8.89	370
Total HP	1264	794	725	16.87	703	
J & K	Baqilhar HPS (IPP) (3*150+2*150)	750	444	735	15.89	662
	Other Hydro/IPP	560	159	142	3.66	153
	Gas/Diesel/Others	190	0	0	0.00	0
Total J & K	1500	603	877	19.55	815	
Total State Control Area Generation		47841	20683	22237	518.15	21590
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			4943	6913	140.44	5852
Total Regional Availability(Gross)		73078	44445	45519	1047.82	43659

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9887	7146	183.97	7666
State Control Area Hydro	6881	3228	3244	78	3232
Total Regional Hydro	19115	13115	10390	261.53	10897

(VA). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs)		Off Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	MW	MW	Import	Export	Import	Export	
Vindhyachal(HVDC B/B)	-250	250	250	250	2.43	3.68		-1.25	
765 KV Gwalior-Agra (D/C)	2235	2700	2761	0	58.46	0.00		58.46	
400 KV Zerda-Kankroli	-280	-217	0	376	0.00	6.05		-6.05	
400 KV Zerda-Bhinmal	-214	-153	0	375	0.00	4.20		-4.20	
220 KV Auraiya-Malanpur	-38	-28	0	83	0.00	0.69		-0.69	
220 KV Badod-Kota/Morak	-30	16	53	35	0.00	2.38		-2.38	
Mundra-Mohindergarh(HVDC Bipole)	2204	2203	2219	0	53.21	0.00		53.21	
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00		0.00	
765 kV Phagi-Gwalior (D/C)	425	777	852	0	14.77	0.00		14.77	
Sub Total WR	4052	5548			128.87	17.00		111.88	

Pusaui Bypass/HVDC	200	0	200	0	2.94	0.00	2.94
400 KV MZP- GKP (D/C)	48	196	287	0	4.20	0.00	4.20
400 KV Patna-Balia(D/C) X 2	320	463	571	0	10.89	0.00	10.89
400 KV B' Sharif-Balia (D/C)	12	61	196	0	1.55	0.00	1.55
765 KV Gaya-Balia	117	143	331	0	1.89	0.00	1.89
765 KV Gaya-Varanasi (D/C)	-17	18	-102	143	0.00	1.48	-1.48
220 KV Pusaui-Sahupuri	176	201	216	0	4.47	0.00	4.47
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-30	-20	0	30	0.00	0.52	-0.52
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-209	-66	4	235	0.00	2.62	-2.62
400 KV Barh -GKP (D/C)	396	490	534	0	8.64	0.00	8.64
400 kvB' Sharif - Varanasi (D/C)	-122	-121	0	101	0.00	1.38	-1.38
Sub Total ER	891	1365			34.57	6.01	28.57
+/- 800 KV BiswanathCharialli-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total NER	0	0			0.00	0.00	0.00
Total IR Exch	4943	6913			163.45	23.00	140.44

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

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdlt (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
30.83	0.43	31.27	2.55	8.24	1.54	0.00	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incids Mndra	Total	Through ER (including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
35.35	118.68	154.03	28.57	111.88	140.44	-6.78	-6.80	-13.58

VC. Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-28	-28	0	32	0	1	-0.69

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	0.25	9.56	54.86	76.44	11.94	2.14	0.00	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.17	19.02	49.78	13.49	49.99	0.040	0.062	50.17	49.94	23.56

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of)
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	409	21:08	399	12:10	0.1	0.1	0.0	0.0	0.1
Gorakhpur	400	420	8:03	402	14:26	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Kanpur	400	413	18:25	397	0:30	0.0	0.0	0.0	0.0	0.0
Dadri	400	414	5:59	396	14:25	5.0	5.0	0.0	0.0	5.0
Ballabgarh	400	420	6:02	398	14:25	0.0	0.0	0.0	0.0	0.0
Bawana	400	416	6:05	399	14:25	0.0	0.0	0.0	0.0	0.0
Bassi	400	420	18:26	395	22:35	0.0	0.0	0.0	0.0	0.0
Hissar	400	411	6:09	396	0:03	0.0	0.0	0.0	0.0	0.0
Moga	400	410	18:23	395	10:39	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	416	6:03	401	19:26	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	420	6:09	403	9:15	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	411	18:01	396	10:36	0.0	0.0	0.0	0.0	0.0
Wagoora	400	406	18:00	379	20:37	0.3	22.5	0.0	0.0	0.3
Amritsar	400	416	18:27	164	6:07	0.0	0.0	0.0	0.0	0.0
Kashipur	400	416	18:23	407	12:44	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	410	6:02	396	9:16	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	401	18:33	376	12:25	10.4	78.8	0.0	0.0	10.4

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of)
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	769	18:26	737	0:13	0.0	9.5	0.0	0.0	0.0
Balia	765	788	18:29	751	0:06	0.0	0.0	0.0	0.0	0.0
Moga	765	787	18:26	757	22:31	0.0	0.0	0.0	0.0	0.0
Agra	765	785	18:29	748	0:10	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	790	18:29	759	14:25	0.0	0.0	0.0	0.0	0.0
Unnao	765	769	18:26	734	0:31	0.0	5.6	0.0	0.0	0.0
Lucknow	765	784	18:32	751	0:29	0.0	0.0	0.0	0.0	0.0
Meerut	765	794	18:30	759	14:25	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	787	6:01	750	14:27	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	779	18:30	745	13:45	0.0	0.0	0.0	0.0	0.0
Arta	765	783	18:11	758	13:36	0.0	0.0	0.0	0.0	0.0
Phagi	765	788	18:11	751	13:42	0.0	0.0	0.0	0.0	0.0

Note : *0' in Max / Min Col -> Telemetry Outage

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	475.41	361.66	486.23	619.14	627.56	551.61
Pong	426.72	384.05	392.92	93.10	405.35	352.07	75.27	191.56
Tehri	829.79	740.04	741.65	7.01	756.55	95.00	137.25	112.00
Koteshwar	612.50	598.50	605.67	2.88	609.70	4.44	112.00	126.81
Chamera-I	760.00	748.75	753.65	0.00	0.00	0.00	246.13	353.44
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1140.00	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	501.50	3.20	523.73	10.71	233.18	145.56

* NA: Not Available

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (20:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	-28	332	0	-433	263	0	-2.30	8.12	5.82
Delhi	402	-73	0	451	5	0	11.43	0.47	11.91
Haryana	227	322	0	211	313	0	6.01	6.67	12.68
HP	-587	-252	0	-229	-954	0	-7.33	-17.13	-24.46
J&K	-581	-65	0	-530	-101	0	-13.45	-2.76	-16.21
CHD	0	0	0	0	0	0	0.35	0.00	0.35
Rajasthan	-389	440	0	-389	520	0	-9.34	12.66	3.31
UP	1578	0	0	1127	0	0	28.58	0.00	28.58
Uttarakhand	106	185	0	106	258	0	2.54	3.93	6.46
Total	728	889	0	314	303	0	16.49	11.96	28.45

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-28	-433	365	260	0	0
Delhi	579	402	417	-467	0	0
Haryana	358	211	366	61	0	0
HP	-229	-587	-239	-1135	0	0
J&K	-480	-626	-65	-152	0	0
CHD	44	0	0	0	0	0
Rajasthan	-389	-389	543	334	0	0
UP	1589	1084	0	0	0	0
Uttarakhand	106	106	328	60	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	0.00%
ER	0.00%
Simultaneous	0.00%

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	0.00%
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XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 13.05.2016 :
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 :

Note: Data (regarding drawal, generation, shortage, inter-regional flows and reservoir levels) of the constituents filled in the report are as per last furnished data by the respective state/constituent to NRLDC.