

पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 16.05.2016
Date of Reporting : 17.05.2016



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
43384	1459	44843	50.08	44230	2358	46587	50.03	1063.6	30.95

* 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:

UI [OD:(+ve), UD: (-ve)]

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	78.66	7.68		86.34	75.53	76.83	1.30	163.17	0.00
Haryana	47.19	0.49		47.68	99.80	103.15	3.36	150.83	0.00
Rajasthan	136.99	0.17	12.27	149.43	49.62	52.41	2.79	201.84	1.35
Delhi	18.32			18.32	91.70	92.57	0.88	110.90	0.20
UP	154.21	16.62		170.83	143.23	148.88	5.65	319.70	17.66
Uttarakhand		16.69		16.69	21.64	22.59	0.95	39.29	0.40
HP		16.53		16.53	6.68	8.70	2.02	25.23	0.00
J & K		24.85	0.00	24.85	15.98	22.03	6.05	46.88	11.34
Chandigarh				0.00	5.66	5.74	0.27	5.74	0.00
Total	435.38	83.03	12.27	530.67	509.83	532.90	23.26	1063.57	30.95

* Shortage furnished by the respective constituent. \$ Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

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

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	6664	0	35	121	6205	0	-10	382	7101
Haryana	6386	0	-629	591	6449	0	206	609	7361
Rajasthan	7402	0	-175	-82	8680	0	154	50	9327
Delhi	4058	0	-556	503	4778	0	164	604	5376
UP	13681	870	-113	1272	13749	1900	422	1710	14026
Uttarakhand	1855	75	164	412	1472	0	5	262	1875
HP	1011	0	-61	-1146	855	0	55	-955	1239
J&K	2057	514	157	-636	1830	458	258	-648	2137
Chandigarh	270	0	28	0	212	0	-1	20	314
Total	43384	1459	-1151	1035	44230	2358	1254	2033	47084

* 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 :

UI [OG:(+ve), UG: (-ve)]

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	1472	1504	1526	36.16	1507	35.13	1.03
Rihand I STPS (2*500)	1000	780	859	857	18.53	772	18.33	0.20
Rihand II STPS (2*500)	1000	923	1001	1032	21.81	909	21.74	0.07
Rihand III STPS (2*500)	1000	952	991	1014	22.39	933	22.38	0.02
Dadri I STPS (4*210)	840	805	422	418	10.99	458	11.44	-0.44
Dadri II STPS (2*490)	980	970	761	678	18.07	753	19.22	-1.15
Unchahar I TPS (2*210)	420	350	338	372	7.67	320	7.92	-0.25
Unchahar II TPS (2*210)	420	400	319	436	8.62	359	8.85	-0.23
Unchahar III TPS (1*210)	210	200	156	199	4.13	172	4.30	-0.17
ISTPP (Jhajjar) (3*500)	1500	1425	1191	1142	24.99	1041	25.32	-0.33
Dadri GPS (4*130.19+2*154.51)	830	597	154	163	4.02	167	4.28	-0.26
Anta GPS (3*88.71+1*153.2)	419	392	0	0	0.00	0	0.00	0.00
Auraiya GPS (4*111.19+2*109.30)	663	620	0	0	0.00	0	0.00	0.00
Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
Unchahar Solar(10)	10	2	0	0	0.04	2	0.04	0.00
Singrauli Solar(15)	15	3	0	0	0.06	2	0.06	0.00
KHEP(4*200)	800	872	867	0	9.98	416	9.50	0.48
Sub Total (A)	12112	10763	8563	7837	187	7812	189	-1
B. NPC								
NAPS (2*220)	440	363	195	195	8.51	355	8.71	-0.20
RAPS- B (2*220)	440	38	0	0	0.40	17	0.92	-0.51
RAPS- C (2*220)	440	43	0	0	0.17	7	1.03	-0.85
Sub Total (B)	1320	444	195	195	9.08	378	10.65	-1.57
C. NHPC								
Chamera I HPS (3*180)	540	536	542	178	7.23	301	7.10	0.13
Chamera II HPS (3*100)	300	300	304	206	7.09	295	6.96	0.13
Chamera III HPS (3*77)	231	229	228	138	4.95	206	4.91	0.04
Bairasuil HPS(3*60)	180	179	184	61	2.30	96	2.35	-0.05
Salal-HPS (6*115)	690	602	654	654	15.74	656	14.49	1.25
Tanakpur-HPS (3*31.4)	94	37	55	52	1.05	44	0.89	0.16
Uri-I HPS (4*120)	480	475	478	478	11.56	482	11.40	0.16
Uri-II HPS (4*60)	240	237	240	240	5.73	239	5.69	0.03
Dhauliganga-HPS (4*70)	280	280	290	140	3.50	146	3.35	0.15
Dulhasti-HPS (3*130)	390	387	409	392	9.58	399	9.29	0.29
Sewa-II HPS (3*40)	120	119	130	0	1.45	60	1.40	0.05
Parbati 3 (4*130)	520	260	136	0	1.72	72	1.65	0.06
Sub Total (C)	4065	3643	3649	2540	72	2995	69	2
D.SJVNL								
NJPC (6*250)	1500	1605	1621	1187	30.06	1252	30.30	-0.24
Rampur HEP (6*68.67)	412	442	441	343	8.53	355	8.42	0.11
Sub Total (D)	1912	2047	2062	1530	38.58	1608	38.72	-0.14
E. THDC								
Tehri HPS (4*250)	1000	240	135	251	3.39	141	3.45	-0.06
Koteshwar HPS (4*100)	400	82	193	67	1.97	82	1.97	0.01
Sub Total (E)	1400	322	328	318	5.36	223	5.41	-0.05
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	642	1036	475	15.63	651	15.42	0.21
Dehar HPS (6*165)	990	511	660	495	12.40	517	12.25	0.15
Pong HPS (6*66)	396	129	200	0	2.60	108	3.09	-0.49
Sub Total (F)	2765	1282	1896	970	30.63	1276	30.76	-0.13
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*90)	192	0	108	95	2.64	110	2.69	-0.05
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	750	17.47	728	17.59	-0.11
Malana Stg-II HPS (2*50)	100	0	111	50	1.08	45	1.03	0.05
Shree Cement TPS (2*150)	300	0	282	195	5.78	241	5.69	0.09
Budhii HPS(IPP) (2*35)	70	0	45	40	1.01	42	0.94	0.07
Sub Total (G)	1662	0	1645	1131	27.98	1166	27.93	0.04

H. Total Regional Entities (A-G)	25237	18500	18337	14521	370.98	15457	371.49	-0.51
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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	710	680	17.08	712
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.33	97
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	551	556	13.74	572
	Goindwal(GVK) (2*270)	540	0	0	-0.04	-2
	Rajpura (2*700)	1400	1320	1320	31.51	1313
	Talwandi Saboo (3*660)	1980	458	614	14.05	585
	Thermal (Total)	6560	3139	3270	78.66	3278
	Total Hydro	1000	469	165	7.68	320
	Total Punjab	7560	3608	3435	86.34	3598
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	178	180	4.11	171
	RGTPP (khedar) (IPP) (2*600)	1200	1142	873	20.33	847
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1112	1114	22.76	948
	Thermal (Total)	4944	2432	2167	47.19	1966
	Total Hydro	62	5	31	0.49	20
	Total Haryana	5006	2437	2198	47.68	1987
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	803	758	18.94	789
	suratgarh TPS (6*250)	1500	951	975	24.91	1038
	Chabra TPS (4*250)	1000	762	542	16.58	691
	Dholpur GPS (3*110)	330	104	105	2.42	101
	Rangarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	179	173	4.43	185
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	81	82	1.85	77
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	504	727	16.62	693
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	809	891	23.16	965
	Kawai(Adani) (2*660)	1320	1086	1182	28.08	1170
	Thermal (Total)	8876	5279	5435	137	5708
	Total Hydro	550	0	0	0.17	7
	Wind power	3214	412	972	11.87	495
	Biomass	99	16	16	0.39	16
	Solar	730	0	0	0.01	0
	Renewable/Others (Total)	4043	428	988	12.27	511
	Total Rajasthan	13469	5707	6423	149.43	6226
	UP	Anpara TPS (3*210+2*500)	1630	1271	1284	30.97
Obra TPS (2*50+2*94+5*200)		1194	446	409	10.25	427
Paricha TPS (2*110+2*220+2*250)		1160	671	666	15.95	665
Panki TPS (2*105)		210	131	131	3.07	128
Harduaganj TPS (1*60+1*105+2*250)		665	538	534	12.86	536
Tanda TPS (NTPC) (4*110)		440	390	390	9.32	388
Roza TPS (IPP) (4*300)		1200	1107	1098	26.09	1087
Anpara-C (IPP) (2*600)		1200	1040	491	18.48	770
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	394	405	8.69	362
Anpara-D(2*500)		1000	366	332	7.44	310
Lalitpur TPS(3*660)		1980	361	365	8.68	362
Bara(2*660)		1320	0	0	0.00	0
Thermal (Total)		12449	6715	6105	152	6325
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.05	419
Alaknada(4*82.5)		330	167	84	3.03	126
Other Hydro		527	66	245	3.54	148
Cogeneration		981	100	100	2.40	100
Total UP		14727	7483	6969	171	7118
Uttarakhand	Total Hydro	1398	762	648	16.69	696
	Total Uttarakhand	1398	762	648	16.69	696
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.03	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	133	40	1.87	78
	Pragati Gas Turbine (2x104+ 1x122)	330	286	267	6.85	285
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	253	6.11	255
	Badarpur TPS (NTPC) (3*95+2*210)	705	159	158	3.53	147
	Thermal (Total)	2917	831	718	18.32	764
	Total Delhi	2917	831	718	18.32	764
HP	Baspa HPS (IPP) (3*100)	300	305	335	6.57	274
	Malana HPS (IPP) (2*43)	86	77	41	0.99	41
	Other Hydro	878	360	398	8.97	374
	Total HP	1264	742	774	16.53	689
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	883	883	21.19	883
	Other Hydro/IPP	560	159	142	3.66	153
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	1042	1025	24.85	1036
Total State Control Area Generation		47841	22612	22190	530.67	22111
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			4674.04	7299.52	163.17	6799
Total Regional Availability(Gross)		73078	45623	44010	1064.82	44367

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10120	6254	177.61	7400
State Control Area Hydro	6881	3688	3407	83	3460
Total Regional Hydro	19115	13808	9661	260.64	10860

V(A). 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	
Vindhychal(HVDC B/B)	-50	-200	150	250	0.55	2.58	-2.03		
765 KV Gwalior-Agra (D/C)	1702	2678	0	2678	48.59	0.00	48.59		
400 KV Zerda-Kankroli	-174	-75	253	0	0.00	3.16	-3.16		
400 KV Zerda-Bhinmal	-125	-54	54	226	0.00	1.86	-1.86		
220 KV Auraiya-Malanpur	-36	-27	0	48	0.00	1.25	-1.25		
220 KV Badod-Kota/Morak	1	167	167	0	2.09	0.00	2.09		
Mundra-Mohindergarh(HVDC Bipole)	2003	2003	2206	0	48.65	0.00	48.65		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 kv Phagi-Gwalior (D/C)	212	925	925	0	16.40	0.00	16.40		
Sub Total WR	3533	5417			116.27	8.85	107.43		

Pusauli Bypass/HVDC	200	200	200	0	4.82	0.00	4.82
400 KV MZP- GKP (D/C)	126	332	486	0	7.69	0.00	7.69
400 KV Patna-Balia(D/C) X 2	140	631	693	0	10.75	0.00	10.75
400 KV B'Sharif-Balia (D/C)	79	160	248	0	3.67	0.00	3.67
765 KV Gaya-Balia	155	182	257	0	2.03	0.00	2.03
765 KV Gaya-Varanasi (D/C)	-81	-180	149	0	3.59	0.00	3.59
220 KV Pusauli-Sahupuri	0	-208	219	0	2.85	0.00	2.85
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-26	-21	0	30	0.00	0.50	-0.50
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-150	-72	117	150	0.00	0.90	-0.90
400 KV Barh -GKP (D/C)	320	480	514	0	9.00	0.00	9.00
400 kv B'Sharif - Varanasi (D/C)	-122	-121	101	71	0.70	0.00	0.70
Sub Total ER	641	1383			45.58	1.40	44.18
+/- 800 KV BiswanathCharialli-Agra	500	500	500	0	11.56	0.00	11.56
Sub Total NER	500	500			11.56	0.00	11.56
Total IR Exch	4674	7300			173.41	10.25	163.17

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
38.93	0.47	39.40	4.78	8.24	6.91	-0.21	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incls Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
51.08	110.06	161.15	55.74	107.43	163.17	4.66	-2.64	2.02

V(C). 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	-30	-26	0	34	0	1	-0.63

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	0.00	4.94	51.35	78.89	13.76	2.48	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)		
50.15	19.02	49.83	19.41	50.00	0.031	0.055	50.17	50.00	21.11

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	409	6:47	402	12:24	0.0	0.0	0.0	0.0
Gorakhpur	400	420	6:58	402	20:14	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	409	18:31	391	16:31	0.0	0.0	0.0	0.0
Kanpur	400	410	7:00	395	16:31	0.0	0.0	0.0	0.0
Dadri	400	414	5:30	393	23:13	0.4	0.4	0.0	0.0
Ballabgarh	400	417	5:30	395	22:33	0.0	0.0	0.0	0.0
Bawana	400	413	5:39	395	23:12	0.0	0.0	0.0	0.0
Bassi	400	417	18:30	395	22:33	0.0	0.0	0.0	0.0
Hissar	400	408	4:03	391	23:10	0.0	0.0	0.0	0.0
Moga	400	405	4:07	391	23:10	0.0	0.0	0.0	0.0
Abdullapur	400	414	4:05	397	23:08	0.0	0.0	0.0	0.0
Nalagarh	400	418	4:05	399	16:20	0.0	0.0	0.0	0.0
Kishenpur	400	407	4:02	395	21:15	0.0	0.0	0.0	0.0
Wagoora	400	402	4:02	381	20:51	0.0	31.4	0.0	0.0
Amritsar	400	411	4:03	396	16:22	0.0	0.0	0.0	0.0
Kashipur	400	416	5:59	406	15:35	0.0	0.0	0.0	0.0
Hamirpur	400	403	0:00	397	9:09	0.0	0.0	0.0	0.0
Rishikesh	400	400	5:56	370	15:37	7.7	75.8	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	768	18:30	739	0:07	0.0	2.6	0.0	0.0
Balia	765	785	7:01	756	15:40	0.0	0.0	0.0	0.0
Moga	765	773	4:05	746	23:10	0.0	0.0	0.0	0.0
Agra	765	782	18:31	750	0:08	0.0	0.0	0.0	0.0
Bhiwani	765	778	4:02	755	22:33	0.0	0.0	0.0	0.0
Unnao	765	766	18:42	728	15:37	0.0	46.7	0.0	0.0
Lucknow	765	780	7:03	749	15:39	0.0	0.0	0.0	0.0
Meerut	765	784	5:20	753	15:16	0.0	0.0	0.0	0.0
Jhatikara	765	782	5:31	746	22:28	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	774	18:32	741	16:31	0.0	0.0	0.0	0.0
Anta	765	776	18:30	755	22:24	0.0	0.0	0.0	0.0
Phagi	765	780	18:20	750	0:11	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 (m³/s)	Usage (m³/s)
Bhakra	513.59	445.62	475.70	368.17	486.43	627.57	634.81	570.13
Pong	426.72	384.05	392.57	88.85	405.40	352.07	48.70	219.94
Tehri	829.79	740.04	741.95	9.13	755.05	85.00	139.46	131.00
Koteshwar	612.50	598.50	604.46	2.06	611.20	5.20	131.00	130.04
Chamera-I	760.00	748.75	752.94	0.00	0.00	0.00	212.85	199.65
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	502.22	1.85	523.38	10.77	235.26	83.93

* 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	51	331	0	-128	249	0	0.48	7.95	8.43
Delhi	476	128	0	548	-45	0	13.45	0.32	13.77
Haryana	363	246	0	288	303	0	8.04	7.22	15.26
HP	-610	-346	0	-559	-587	0	-11.97	-10.91	-22.88
J&K	-648	0	0	-621	-15	0	-15.81	-0.06	-15.87
CHD	0	20	0	0	0	0	0.35	0.42	0.78
Rajasthan	-415	465	0	-415	333	0	-9.95	10.40	0.45
UP	1710	0	0	1272	0	0	30.83	0.00	30.83
Uttarakhand	106	156	0	106	306	0	2.54	5.96	8.50
Total	1034	1000	0	491	544	0	17.96	21.31	39.27

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	76	-128	362	249	0	0
Delhi	661	476	297	-444	0	0
Haryana	484	288	346	205	0	0
HP	-329	-712	-248	-798	0	0
J&K	-547	-722	0	-15	0	0
CHD	44	0	79	0	0	0
Rajasthan	-415	-415	467	-218	0	0
UP	1795	1102	0	0	0	0
Uttarakhand	106	106	307	127	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 16.05.2016 :
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.