

पॉवर सिस्टम ऑपरेशन कापरिशन लिमिटेड
(पॉवरटिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)
उत्तरी क्षेत्रीय भार प्रेषण केंद्र
CIN: U40105DL2009GO188682
Power Supply Position in Northern Region for 22.05.2016
Date of Reporting : 23.05.2016



I. Regional Availability/Demand:

Demand Met	Evening Peak (20:00 Hrs) MW			Off Peak (03:00 Hrs) MW				Day Energy (Net MU)	
	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
44292	472	44765	50.08	46382	449	46831	50.03	1075.2	7.99

*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	70.54	9.79		80.33	91.77	91.58	-0.19	171.91	0.00
Haryana	42.48	0.69		43.17	112.67	110.18	-2.49	153.35	0.00
Rajasthan	116.95	0.00	36.93	153.88	53.00	53.70	0.70	207.57	0.00
Delhi	20.84			20.84	93.14	91.39	-1.74	112.23	0.00
UP	152.61	17.03		169.65	152.94	153.81	0.87	323.45	0.00
Uttarakhand		19.28		19.28	20.52	20.07	-0.45	39.36	0.00
HP		18.54		18.54	6.09	5.79	-0.30	24.33	0.00
J & K		21.93	0.00	21.93	17.47	15.16	-2.31	37.09	7.99
Chandigarh				0.00	5.96	5.96	0.00	5.96	0.00
Total	403.41	87.26	36.93	527.60	553.55	547.64	-5.64	1075.24	7.99

* 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	7025	0	-36	328	6843	0	18	692	7395
Haryana	6479	0	-236	498	7302	0	-153	642	7589
Rajasthan	7826	0	4	16	8894	0	-271	12	9457
Delhi	4744	0	-131	594	5155	0	57	759	5583
UP	13742	0	314	1230	14368	280	181	1415	14368
Uttarakhand	1738	75	-19	257	1657	0	88	139	1757
HP	882	0	-36	-1153	954	0	-19	-1217	1168
J&K	1589	397	-58	-625	959	169	-466	-703	1699
Chandigarh	267	0	13	10	249	0	3	10	301
Total	44292	472	-186	1157	46382	449	-563	1750	47813

* STOA figures are at all India 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 (5*200+2*500)	2000	1734	1713	1997	38.81	1617	38.29	0.53
Rihand I STPS (2*500)	1000	772	835	770	15.41	642	15.01	0.40
Rihand II STPS (2*500)	1000	952	1008	809	18.89	787	19.03	-0.14
Rihand III STPS (2*500)	1000	952	1000	812	18.88	787	19.15	-0.27
Dadri I STPS (4*210)	840	805	429	403	10.24	426	10.66	-0.42
Dadri II STPS (2*490)	980	965	668	684	16.19	675	16.91	-0.71
Unchahar I TPS (2*210)	420	350	376	286	6.30	262	6.60	-0.30
Unchahar II TPS (2*210)	420	400	352	289	6.38	266	7.10	-0.73
Unchahar III TPS (1*210)	210	200	198	133	3.10	129	3.57	-0.47
ISTPP (Jhajjar) (3*500)	1500	1425	1132	1049	22.27	928	22.74	-0.46
Dadri GPS (4*130.19+2*154.51)	830	777	353	356	8.03	334	8.25	-0.22
Anta GPS (3*88.71+1*153.2)	419	392	0	0	0.00	0	0.00	0.00
Auraya 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	0.05	2	0.04	0.00
Singrauli Solar(15)	15	3	0	0	0.07	3	0.06	0.00
KHEP(4*200)	800	872	868	871	16.02	668	16.00	0.02
Sub Total (A)	12112	11221	8932	8459	181	7527	183	-3
B. NPC								
NAPS (2*220)	440	358	425	410	9.27	386	8.59	0.68
RAPS- B (2*220)	440	371	412	423	9.08	378	8.90	0.17
RAPS- C (2*220)	440	220	210	210	4.44	185	5.28	-0.84
Sub Total (B)	1320	949	1047	1043	22.79	950	22.78	0.02
C. NHPC								
Chamera I HPS (3*180)	540	536	545	539	10.98	458	11.00	-0.01
Chamera II HPS (3*100)	300	300	309	299	7.30	304	7.20	0.10
Chamera III HPS (3*77)	231	216	220	219	5.24	218	5.17	0.07
Bairasuli HPS(3*60)	180	179	182	124	2.72	113	2.67	0.05
Salal-HPS (6*115)	690	617	651	643	15.22	634	14.81	0.41
Tanakpur-HPS (3*31.4)	94	51	58	61	1.27	53	1.22	0.05
Uri-I HPS (4*120)	480	475	475	473	11.43	476	11.40	0.03
Uri-II HPS (4*80)	240	235	238	239	5.69	237	5.65	0.04
Dhauliganga-HPS (4*70)	280	280	284	277	5.55	231	5.48	0.07
Duihasti-HPS (3*130)	390	387	405	392	9.45	394	9.29	0.17
Sewa-II HPS (3*40)	120	119	129	0	0.98	41	0.90	0.08
Parbati 3 (4*130)	520	260	263	0	3.98	166	3.91	0.07
Sub Total (C)	4065	3656	3760	3266	80	3325	79	1
D. SJVNL								
NJPC (6*250)	1500	1605	1633	1622	37.47	1621	38.28	-0.82
Rampur HEP (6*68.67)	412	442	448	449	10.32	430	10.61	-0.28
Sub Total (D)	1912	2047	2081	2071	47.79	1991	48.89	-1.10
E. THDC								
Tehri HPS (4*250)	1000	264	265	264	5.18	216	5.24	-0.06
Koteswar HPS (4*100)	400	125	186	97	2.86	119	2.91	-0.04
Sub Total (E)	1400	389	451	361	8.05	335	8.15	-0.10
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	612	1071	455	15.15	631	14.69	0.47
Dehar HPS (6*165)	990	625	660	600	14.81	617	15.00	-0.19
Pong HPS (6*66)	396	80	196	0	1.80	75	1.91	-0.11
Sub Total (F)	2765	1317	1927	1055	31.77	1324	31.60	0.17
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*1000)	192	0	182	231	4.63	193	4.51	0.12
KARCHAM WANGTOO HPS(IPP) (2*1000)	1000	0	1089	1089	25.91	1080	26.14	-0.23
Malana Stg-II HPS (2*50)	100	0	89	97	1.96	82	1.87	0.09
Shree Cement TPS (2*150)	300	0	193	253	4.93	206	5.00	-0.07
Budhil HPS(IPP) (2*35)	70	0	39	76	1.69	71	1.66	0.03
Sub Total (G)	1662	0	1593	1745	39.12	1630	39.18	-0.06
H. Total Regional Entities (A-G)	25237	19578	19790	18000	409.97	17082	412.69	-2.72

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	690	690	15.49	646
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	110	2.22	93
	Guru Hargobind Singh TPS(Lmbt) (2*210+2*250)	920	907	753	17.45	727
	Goindwal(GVK) (2*270)	540	0	0	0.00	0
	Rajpura (2*700)	1400	1120	1020	27.75	1156
	Talwandi Saboo (3*660)	1980	308	308	7.62	318
	Thermal (Total)	6560	3125	2881	70.54	2939
	Total Hydro	1000	406	398	9.79	408
Total Punjab	7560	3531	3279	80.33	3347	
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	170	190	4.08	170
	RGTPP (khedar) (IPP) (2*600)	1200	744	884	18.43	768
	Maqum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	743	1110	19.97	832
	Thermal (Total)	4944	1657	2184	42.48	1770
	Total Hydro	62	35	28	0.69	29
	Total Haryana	5006	1692	2212	43.17	1799
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	804	832	19.65
suratgarh TPS (6*250)		1500	643	39	18.78	782
Chabra TPS (4*250)		1000	716	686	17.58	733
Dholpur GPS (3*110)		330	104	102	2.40	100
Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)		271	146	180	4.41	184
RAPS A (NPC) (1*100+1*200)		300	0	0	0.00	0
Barsingar (NLC) (2*125)		250	0	0	0.00	0
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwst LTPS (IPP) (8*135)		1080	470	592	12.01	500
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	815	834	19.64	819
Kawai(Adani) (2*660)		1320	868	1142	22.47	936
Thermal (Total)		8876	4566	4407	117	4873
Total Hydro		550	0	0	0.00	0
Wind power		3214	1327	1386	33.45	1394
Biomass		99	26	26	0.63	26
Solar		730	0	0	2.86	119
Renewable/Others (Total)		4043	1353	1412	36.93	1539
Total Rajasthan		13469	5919	5819	153.88	6412
UP		Anpara TPS (3*210+2*500)	1630	1402	1395	33.25
	Obra TPS (2*50+2*94+5*200)	1194	606	619	14.56	607
	Paricha TPS (2*110+2*220+2*250)	1160	783	692	16.57	690
	Panki TPS (2*105)	210	126	59	2.23	93
	Harduaganj TPS (1*60+1*105+2*250)	665	545	544	12.96	540
	Tanda TPS (NTPC) (4*110)	440	390	390	8.85	369
	Roza TPS (IPP) (4*300)	1200	1080	1085	24.22	1009
	Anpara-C (IPP) (2*600)	1200	549	995	20.92	872
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	403	405	8.59	358
	Anpara-D(2*500)	1000	195	399	8.06	336
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	12449	6079	6583	150	6259
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.45	435
	Alaknanda(4*82.5)	330	167	172	4.51	188
	Other Hydro	527	48	233	2.07	86
	Cogeneration	981	100	100	2.40	100
Total UP	14727	6829	7523	170	7069	
Uttarakhand	Total Hydro	1398	784	672	19.28	804
	Total Uttarakhand	1398	784	672	19.28	804
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	134	173	3.68	153
	Praagati Gas Turbine (2x104+ 1x122)	330	298	263	4.15	173
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	254	257	6.11	255
	Badarpur TPS (NTPC) (3*95+2*210)	705	324	312	6.90	287
	Thermal (Total)	2917	1010	1004	20.84	868
	Total Delhi	2917	1010	1004	20.84	868
HP	Baspa HPS (IPP) (3*100)	300	302	302	7.44	310
	Malana HPS (IPP) (2*43)	86	63	86	1.62	67
	Other Hydro	878	335	408	9.48	395
	Total HP	1264	700	796	18.54	772
J & K	Baqilhar HPS (IPP) (3*150+2*150)	750	443	882	18.38	766
	Other Hydro/IPP	560	150	148	3.54	148
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	593	1030	21.93	914
Total State Control Area Generation		47841	21058	22335	527.60	21983
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			6708.05	7331.61	161.81	6742
Total Regional Availability(Gross)		73078	47556	47667	1099.39	45808

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10447	9041	215.93	8997
State Control Area Hydro	6881	3168	3764	87	3636
Total Regional Hydro	19115	13615	12805	303.19	12633

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	Import	Export	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-250	-100	0	250	0.00	5.19		-5.19	
765 KV Gwalior-Agra (D/C)	2164	2320	2535	0	50.39	0.00	50.39		
400 KV Zerda-Kankroli	-13	-71	0	213	0.00	2.77		-2.77	
400 KV Zerda-Bhinmal	0	-41	12	214	0.00	1.94		-1.94	
220 KV Auraiya-Malanpur	15	16	0	41	0.00	0.05		-0.05	
220 KV Badod-Kota/Morak	52	73	108	19	1.60	0.00	1.60		
Mundra-Mohinderghar(HVDC Bipole)	2398	2403	2408	0	58.04	0.00	58.04		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 kV Phagi-Gwalior (D/C)	549	484	757	276	11.77	0.00	11.77		
Sub Total WR	4915	5084			121.80	9.94		111.87	

Pusauli Bypass/HVDC	200	200	200	0	4.87	0.00	4.87
400 KV MZP- GKP (D/C)	34	242	340	40	4.65	0.00	4.65
400 KV Patna-Balia(D/C) X 2	473	658	704	0	13.59	0.00	13.59
400 KV B' Sharif-Balia (D/C)	12	69	87	0	0.60	0.00	0.60
765 KV Gaya-Balia	119	150	164	0	1.41	0.00	1.41
765 KV Gaya-Varanasi (D/C)	82	107	177	12	1.97	0.00	1.97
220 KV Pusauli-Sahupuri	172	180	196	0	3.98	0.00	3.98
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-15	-13	0	20	0.00	0.26	-0.26
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-142	-130	0	243	0.00	2.76	-2.76
400 KV Barh -GKP (D/C)	480	406	524	0	10.25	0.00	10.25
400 kV B' Sharif - Varanasi (D/C)	-122	-121	10	132	0.00	1.32	-1.32
Sub Total ER	1293	1748			42.28	4.34	37.94
+/- 800 KV BiswanathChariali-Agra	500	500	500	0	12.00	0.00	12.00
Sub Total NER	500	500			12.00	0.00	12.00
Total IR Exch	6708	7332			176.08	14.27	161.81

V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]								
ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdtd (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
38.96	1.05	40.02	4.13	10.78	-0.01	-0.23	0.00	0.00

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
44.14	120.73	164.88	49.94	111.87	161.81	5.80	-8.87	-3.07

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	
	MW	MW	Import	Export	Import	Export	MU	
132 KV Tanakpur - Mahendarnagar	-30	-27	0	32	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	0.00	2.81	36.95	67.85	20.31	8.46	0.65	0.00

Frequency (Hz)				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum		Hz	Index		MAX	MIN	
Freq	Time	Freq	Time				(Hz)	(Hz)	
50.28	6.03	49.81	21.19	50.02	0.043	0.063	0.00	0.00	32.15

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
Arta	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 (m ³ /s)	Usage (m ³ /s)
Bhakra	513.59	445.62	476.67	387.82	487.34	652.97	814.17	540.88
Pong	426.72	384.05	391.93	80.40	405.54	352.07	152.91	156.14
Tehri	829.79	740.04	742.60	12.90	753.70	74.00	235.23	199.00
Koteshwar	612.50	598.50	603.60	2.25	607.55	3.54	199.00	188.95
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	327.34	301.84
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	503.16	3.21	522.70	10.78	253.04	144.33

* 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	246	446	0	-29	358	0	5.35	11.25	16.60
Delhi	476	283	0	548	47	0	13.02	2.75	15.77
Haryana	363	278	0	299	200	0	8.50	5.67	14.17
HP	-712	-505	0	-533	-619	0	-14.56	-11.68	-26.24
J&K	-547	-156	0	-621	-4	0	-14.65	-1.13	-15.78
CHD	0	10	0	0	10	0	0.35	0.43	0.78
Rajasthan	-415	427	0	-415	431	0	-9.95	10.23	0.27
UP	1415	0	0	1230	0	0	29.11	0.00	29.11
Uttarakhand	131	9	0	131	127	0	3.14	1.22	4.36
Total	957	793	0	610	547	0	20.31	18.73	39.03

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	446	-29	561	357	0	0
Delhi	725	476	310	-164	0	0
Haryana	495	299	284	172	0	0
HP	-482	-737	-335	-734	0	0
J&K	-547	-671	0	-156	0	0
CHD	44	0	39	0	0	0
Rajasthan	-415	-415	431	390	0	0
UP	1425	1103	0	0	0	0
Uttarakhand	131	131	127	2	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	0.69%

(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 22.05.2016 :
Windstorm in some part of Uttar Pradesh, Rajasthan, Haryana, Delhi & Uttarakhand

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.