

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पुनर्गठित की पूर्ण स्वामित्व प्राप्त सशक्त कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682
Power Supply Position in Northern Region for 23.05.2016
Date of Reporting : 24.05.2016



I. Regional Availability/Demand:

Demand Met	Evening Peak (20:00 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
30469	468	30937	50.08	44267	516	44783	50.03	912.4	8.15

* Half hourly (i.e. 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	52.03	8.66		60.69	80.47	83.54	3.07	144.23	0.00
Haryana	28.90	0.61		29.51	94.65	76.39	-18.25	105.90	0.00
Rajasthan	107.25	0.01	33.53	140.79	55.32	56.68	1.36	197.47	0.00
Delhi	17.54			17.54	92.17	87.34	-4.83	104.88	0.02
UP	123.60	16.13		139.73	134.05	126.16	-7.88	265.89	0.00
Uttarakhand		16.26		16.26	19.38	15.63	-3.75	31.90	0.00
HP		18.04		18.04	5.15	3.95	-1.20	21.99	0.02
J & K		24.74	0.00	24.74	14.21	9.65	-4.56	34.39	8.11
Chandigarh				0.00	6.07	5.79	0.27	5.79	0.00
Total	329.32	84.44	33.53	447.29	501.46	465.14	-35.78	912.43	8.15

* Shortage furnished by the respective constituent. S Others include LP 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	STOAPX transaction	Demand Met	Shortage	UI	STOAPX transaction	
Punjab	5492	0	339	338	6423	0	34	721	6635
Haryana	2358	0	-1818	597	5786	0	-780	593	6892
Rajasthan	6424	0	-335	40	8881	0	280	39	9299
Delhi	3858	0	-253	832	5250	0	163	698	5569
UP	8612	0	-738	1255	13926	280	-22	1373	14086
Uttarakhand	739	0	-474	280	1578	0	26	104	1678
HP	886	0	-124	-1222	833	0	51	-1400	1172
J&K	1870	468	16	-633	1338	236	-242	-694	1870
Chandigarh	230	0	11	30	252	0	12	20	308
Total	30469	468	-3376	1517	44267	516	-480	1454	46348

* STDN figures are at sellers 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 (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI [(G)+(ve), UG: (-ve)]	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1836	1334	1856	35.85	1494	33.30	2.55	
Rihand I STPS (2*500)	1000	419	300	428	7.53	314	7.08	0.45	
Rihand II STPS (2*500)	1000	958	629	867	16.39	683	16.43	-0.04	
Rihand III STPS (2*500)	1000	958	613	946	16.58	691	16.92	-0.34	
Dadri I STPS (4*210)	840	805	269	415	8.99	374	9.10	-0.11	
Dadri II STPS (2*490)	980	965	669	685	15.58	649	16.06	-0.49	
Unchahar I TPS (2*210)	420	354	251	262	5.77	240	5.65	0.12	
Unchahar II TPS (2*210)	420	400	266	278	6.06	252	6.34	-0.28	
Unchahar III TPS (1*210)	210	200	130	133	2.89	121	3.17	-0.28	
ISTPP (Jhajjar) (3*500)	1500	1425	605	911	19.04	793	19.31	-0.27	
Dadri GPS (4*130.19+2*154.51)	830	778	222	354	6.86	286	6.77	0.09	
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	98	0	1.01	42	0.95	0.06	
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	0.07	3	0.06	0.00	
KHEP(4*200)	800	872	866	869	16.04	668	16.32	-0.28	
Sub Total (A)	12112	10986	6253	8004	159	6613	158	1	
B. NPC									
NAPS (2*220)	440	370	437	438	9.44	393	8.88	0.56	
RAPS- B (2*220)	440	330	219	424	7.76	323	7.92	-0.16	
RAPS- C (2*220)	440	220	207	212	4.32	180	5.28	-0.96	
Sub Total (B)	1320	920	863	1074	21.51	896	22.08	-0.56	
C. NHPC									
Chamera I HPS (3*180)	540	536	532	355	10.01	417	10.27	-0.26	
Chamera II HPS (3*100)	300	300	309	299	7.21	300	7.20	0.01	
Chamera III HPS (3*77)	231	217	219	220	5.24	218	5.21	0.03	
Bairasul HPS(3*60)	180	179	183	62	2.47	103	2.55	-0.08	
Saikal-HPS (6*115)	690	480	639	589	11.83	493	11.56	0.27	
Tanakpur-HPS (3*31.4)	94	52	62	56	1.27	53	1.25	0.02	
Uri-I HPS (4*120)	480	475	474	472	11.47	478	11.40	0.07	
Uri-II HPS (4*60)	240	235	238	238	5.66	236	5.65	0.01	
Dhauliganga-HPS (4*70)	280	232	208	276	5.15	215	5.45	-0.30	
Dulhasti-HPS (3*130)	390	387	405	394	9.40	391	9.29	0.11	
Sewa-II HPS (3*40)	120	119	129	0	0.88	37	0.90	-0.02	
Parbati 3 (4*130)	520	245	261	259	3.55	148	3.57	-0.01	
Sub Total (C)	4065	3459	3659	3218	74	3089	74	0	
D. SJVNL									
NJPC (6*250)	1500	1605	1618	1629	37.45	1561	37.74	-0.29	
Rampur HEP (6*68.67)	412	442	448	446	10.47	436	10.40	0.07	
Sub Total (D)	1912	2047	2066	2075	47.92	1997	48.14	-0.21	
E. THDC									
Tehri HPS (4*250)	1000	264	269	263	5.07	211	5.20	-0.13	
Koteshwar HPS (4*100)	400	116	0	95	2.35	98	2.35	-0.01	
Sub Total (E)	1400	380	269	358	7.41	309	7.55	-0.14	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	623	1076	482	15.22	634	14.96	0.27	
Dehar HPS (6*165)	990	625	660	620	15.03	626	15.00	0.03	
Pong HPS (6*66)	396	88	196	49	1.95	81	2.12	-0.17	
Sub Total (F)	2765	1336	1932	1151	32.20	1342	32.07	0.12	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*1000)	192	0	151	182	3.37	140	4.61	-1.24	
KARCHAM WANGTOO HPS(IPP) (2*1000)	1000	0	1100	1100	26.02	1084	26.13	-0.11	
Malana Stg-II HPS (2*50)	100	0	75	90	1.80	75	1.69	0.10	
Shree Cement TPS (2*150)	300	0	238	213	5.62	234	5.86	-0.25	
Budhil HPS(IPP) (2*35)	70	0	76	76	1.81	76	1.65	0.16	
Sub Total (G)	1662	0	1639	1662	38.62	1609	39.95	-1.33	
H. Total Regional Entities (A-G)	25237	19129	16681	17543	380.50	15854	381.60	-1.10	

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	360	686	12.06	503
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	100	2.16	90
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	364	767	13.44	560
	Goindwal(GVK) (2*270)	540	0	0	0.00	0
	Rajpura (2*700)	1400	660	660	16.90	700
	Talwandi Saboo (3*660)	1980	308	308	7.57	315
	Thermal (Total)	6560	1782	2521	52.03	2168
	Total Hydro	1000	387	360	8.66	361
	Total Punjab	7560	2169	2881	60.69	2529
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	0	0	0.00	0
Faridabad GPS (NTPC)(2*137.75+1*156)		432	163	161	3.93	164
RGTPP (khedar) (IPP) (2*600)		1200	0	774	12.63	526
Maqum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	382	744	12.34	514
Thermal (Total)		4944	545	1679	28.90	1204
Total Hydro		62	23	26	0.61	26
Total Haryana		5006	568	1705	29.51	1230
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	796	798	19.18
	suratgarh TPS (6*250)	1500	502	564	12.71	529
	Chabra TPS (4*250)	1000	739	762	18.18	757
	Dholpur GPS (3*110)	330	103	104	2.47	103
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	159	169	4.08	170
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.71	30
	Barsingar (NLC) (2*125)	250	0	0	0.00	0
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	458	471	12.82	534
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	752	813	16.21	675
	Kawai(Adani) (2*660)	1320	571	958	20.90	871
	Thermal (Total)	8876	4080	4639	107	4469
	Total Hydro	550	0	0	0.01	1
	Wind power	3214	524	1551	29.83	1243
	Biomass	99	31	31	0.75	31
	Solar	730	0	0	2.95	123
	Renewable/Others (Total)	4043	555	1582	33.53	1397
	Total Rajasthan	13469	4635	6221	140.79	5866
	UP	Anpara TPS (3*210+2*500)	1630	1101	1402	30.24
Obra TPS (2*50+2*94+5*200)		1194	594	599	13.96	582
Paricha TPS (2*110+2*220+2*250)		1160	729	916	18.50	771
Panki TPS (2*105)		210	0	131	2.29	95
Harduaganj TPS (1*60+1*105+2*250)		665	320	526	10.63	443
Tanda TPS (NTPC) (4*110)		440	280	392	7.48	312
Roza TPS (IPP) (4*300)		1200	370	1058	17.87	744
Anpara-C (IPP) (2*600)		1200	351	540	10.13	422
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	58	405	5.73	239
Anpara-D(2*500)		1000	0	378	4.38	183
Lalitpur TPS(3*660)		1980	0	0	0.00	0
Bara(2*660)		1320	0	0	0.00	0
Thermal (Total)		12449	3803	6347	121	5050
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.44	435
Alakananda(4*82.5)		330	260	171	4.82	201
Other Hydro		527	0	52	0.87	36
Cogeneration		981	100	100	2.40	100
Total UP	14727	4598	7105	140	5822	
Uttarakhand	Total Hydro	1398	432	761	16.26	678
	Total Uttarakhand	1398	432	761	16.26	678
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.07	-3
	Delhi Gas Turbine (6x30 + 3x34)	282	132	157	2.58	108
	Praagati Gas Turbine (2x104+ 1x122)	330	292	265	6.62	276
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	256	4.75	198
	Badarpur TPS (NTPC) (3*95+2*210)	705	324	330	3.66	152
	Thermal (Total)	2917	1001	1008	17.54	731
	Total Delhi	2917	1001	1008	17.54	731
HP	Baspa HPS (IPP) (3*100)	300	302	302	7.39	308
	Malana HPS (IPP) (2*43)	86	52	92	1.63	68
	Other Hydro	878	393	385	9.02	376
	Total HP	1264	747	779	18.04	751
J & K	Baqilhar HPS (IPP) (3*150+2*150)	750	883	883	21.19	883
	Other Hydro/IPP	560	150	148	3.54	148
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	1033	1031	24.74	1031
Total State Control Area Generation		47841	15183	21491	447.29	18637
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			1276	6140	97.42	4059
Total Regional Availability(Gross)		73078	33140	45174	925.21	38551

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10118	9045	208.89	8704
State Control Area Hydro	6881	3317	3615	84	3518
Total Regional Hydro	19115	13435	12660	293.34	12222

(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	Import	Export	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-250	-250	0	250	0.00	6.03		-6.03	
765 KV Gwalior-Agra (D/C)	865	2125	2564	0	35.13	0.00		35.13	
400 KV Zerda-Kankroli	-129	-79	0	302	0.00	4.06		-4.06	
400 KV Zerda-Bhinmal	-64	-60	75	323	0.00	3.20		-3.20	
220 KV Auraya-Malanpur	-95	1	0	95	0.00	0.50		-0.50	
220 KV Badod-Kota/Morak	-30	93	108	91	0.71	0.00		0.71	
Mundra-Mohinderghar(HVDC Bipole)	802	2400	2406	0	38.85	0.00		38.85	
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00		0.00	
765 kV Phagi-Gwalior (D/C)	58	539	822	0	8.32	0.00		8.32	
Sub Total WR	1157	4769			83.01	13.78		69.23	

Pusauli Bypass/HVDC	200	200	200	0	4.89	0.00	4.89
400 KV MZP- GKP (D/C)	-58	138	272	170	1.74	0.00	1.74
400 KV Patna-Balia(D/C) X 2	141	627	681	0	11.73	0.00	11.73
400 KV B' Sharif-Balia (D/C)	-12	19	140	0	0.52	0.00	0.52
765 KV Gaya-Balia	77	113	179	0	1.19	0.00	1.19
765 KV Gaya-Varanasi (D/C)	34	-73	116	170	0.40	0.00	0.40
220 KV Pusauli-Sahupuri	0	166	204	0	4.89	0.00	4.89
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-3	-20	0	24	0.00	0.38	-0.38
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-314	-182	0	325	0.00	4.97	-4.97
400 KV Barh -GKP (D/C)	176	504	546	0	9.00	0.00	9.00
400 kV B' Sharif - Varanasi (D/C)	-122	-121	26	193	0.00	1.78	-1.78
Sub Total ER	119	1371			35.32	7.13	28.19
+/- 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	1276	6140			118.33	20.91	97.42

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

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdtd (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
32.94	1.05	33.99	4.27	10.21	2.44	-0.17	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
40.71	100.47	141.18	28.19	69.23	97.42	-12.52	-31.24	-43.76

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	-34	-30	0	34	0	1	-0.58

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	2.00	26.97	53.02	25.17	18.32	1.54	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)	
50.34	18.03	49.82	19.41	50.04	0.071	0.072	0.00	0.00	46.98

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	477.05	394.40	487.48	652.97	905.49	538.22
Pong	426.72	384.05	391.95	80.40	405.60	361.16	185.11	165.71
Tehri	829.79	740.04	742.85	13.00	753.65	74.00	203.14	194.00
Koteshwar	612.50	598.50	603.86	1.88	606.55	2.88	194.00	154.56
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	306.48	275.69
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	503.27	2.26	522.57	10.72	248.89	145.25

* 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	270	451	0	72	266	0	5.70	10.31	16.00
Delhi	527	171	0	550	283	0	13.89	5.34	19.23
Haryana	349	244	0	301	296	0	8.31	7.03	15.33
HP	-837	-563	0	-633	-589	0	-15.15	-12.53	-27.67
J&K	-579	-115	0	-619	-14	0	-14.71	-1.26	-15.97
CHD	0	20	0	0	30	0	0.35	0.96	1.31
Rajasthan	-413	453	0	-413	454	0	-9.92	10.00	0.08
UP	1373	0	0	1255	0	0	29.41	0.00	29.41
Uttarakhand	58	46	0	131	149	0	2.91	2.13	5.04
Total	748	707	0	643	874	0	20.80	21.97	42.77

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	374	-1	563	265	0	0
Delhi	708	478	472	-161	0	0
Haryana	498	301	340	166	0	0
HP	-480	-837	-373	-601	0	0
J&K	-529	-684	0	-216	0	0
CHD	44	0	79	10	0	0
Rajasthan	-413	-413	454	94	0	0
UP	1398	1116	0	0	0	0
Uttarakhand	131	58	151	3	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 23.05.2016 :
Thunderstorm / Rain in NR region.

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.