

पॉवर ग्रिड ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसईसी वी पूर्व स्वामित्व प्राप्त गवर्नर कंत्राली)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 30.04.2016

Date of Reporting : 01.05.2016



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
42993	522	43515	50.06	41897	270	42167	50.11	996.0	11.87

* 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)
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	67.58	8.55		76.13	62.86	62.09	-0.77	138.22	0.00
Haryana	49.66	0.37		50.03	93.33	92.57	-0.76	142.60	0.00
Rajasthan	134.82	0.00	11.00	145.82	52.81	53.01	0.20	198.83	0.00
Delhi	20.80			20.80	72.21	71.03	-1.18	91.83	0.01
UP	192.31	4.55		196.86	121.10	118.78	-2.32	315.63	2.46
Uttarakhand		8.25		8.25	29.69	30.18	0.49	38.43	0.28
HP		8.52		8.52	15.73	15.85	0.12	24.36	0.00
J & K		14.33	0.00	14.33	24.69	26.79	2.11	41.12	9.12
Chandigarh				0.00	5.09	4.95	0.27	4.95	0.00
Total	465.17	44.57	11.00	520.74	477.51	475.24	-1.85	995.98	11.87

* Shortage furnished by the respective constituents. \$ 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	5687	0	-44	-517	5195	0	-185	-330	6058
Haryana	6861	0	-380	657	6535	0	-26	790	7359
Rajasthan	8110	0	84	93	8548	0	47	303	9015
Delhi	3994	0	-44	-333	3975	0	125	-499	4449
UP	13316	0	-181	346	13504	0	-99	1004	14197
Uttarakhand	1839	40	-19	679	1571	0	62	790	1839
HP	1023	0	-43	-457	863	0	101	-123	1184
J&K	1929	482	262	15	1530	270	137	-59	1942
Chandigarh	234	0	-12	0	176	0	-7	15	239
Total	42993	522	-377	484	41897	270	155	1892	44556

* 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	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1400	1447	1530	33.89	1412	33.22	0.66
Rihand I STPS (2*500)	1000	800	803	811	17.78	741	17.99	-0.20
Rihand II STPS (2*500)	1000	948	890	843	20.43	851	21.18	-0.76
Rihand III STPS (2*500)	1000	945	903	1018	20.05	835	21.46	-1.42
Dadri I STPS (4*210)	840	805	602	787	14.69	612	15.49	-0.80
Dadri II STPS (2*490)	980	960	702	902	18.20	758	19.54	-1.34
Unchahar I TPS (2*210)	420	340	314	342	7.33	306	7.33	0.01
Unchahar II TPS (2*210)	420	200	155	206	4.07	170	4.13	-0.05
Unchahar III TPS (1*210)	210	200	154	203	3.96	165	4.07	-0.11
ISTPP (Jhajjar) (3*500)	1500	658	360	781	10.73	447	11.15	-0.43
Dadri GPS (4*130.19+2*154.51)	830	767	365	354	8.18	341	8.37	-0.19
Anta GPS (3*88.71+1*153.2)	419	397	204	44	3.88	162	4.31	-0.43
Auraiya GPS (4*111.19+2*109.30)	663	621	141	154	3.47	145	3.52	-0.05
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	0.05	2	0.06	-0.01
KHEP(4*200)	800	872	868	0	4.17	174	4.00	0.17
Sub Total (A)	12112	9918	7898	7975	171	7123	176	-5
B. NPC								
NAPS (2*220)	440	386	413	434	9.27	386	9.26	0.01
RAPS- B (2*220)	440	369	413	419	8.88	370	6.50	2.38
RAPS- C (2*220)	440	415	438	444	9.49	395	9.96	-0.47
Sub Total (B)	1320	1170	1264	1297	27.64	1152	25.72	1.92
C. NHPC								
Chamera I HPS (3*180)	540	535	542	357	7.18	299	6.93	0.25
Chamera II HPS (3*100)	300	300	302	0	4.48	187	4.33	0.16
Chamera III HPS (3*77)	231	231	227	0	2.85	119	2.77	0.09
Bairasuli HPS(3*60)	180	179	182	123	2.53	105	2.46	0.07
Salal-HPS (6*115)	690	366	556	390	9.71	405	8.74	0.97
Tanakpur-HPS (3*31.4)	94	17	19	14	0.51	21	0.40	0.12
Uri-I HPS (4*120)	480	475	473	472	11.48	478	11.40	0.08
Uri-II HPS (4*80)	240	237	242	241	5.75	240	5.69	0.06
Dhauliganga-HPS (4*70)	280	280	284	0	0.98	41	0.91	0.07
Dulhasti-HPS (3*130)	390	387	403	398	8.11	338	7.65	0.46
Sewa-II HPS (3*40)	120	119	98	0	0.47	20	0.60	-0.13
Parbati 3 (4*130)	520	260	263	0	1.40	58	1.35	0.05
Sub Total (C)	4065	3386	3591	1995	55	2311	53	2
D.SJVNL								
NJPC (6*250)	1500	1605	1222	0	11.47	478	11.26	0.21
Rampur HEP (6*68.67)	412	375	373	0	3.22	134	3.12	0.10
Sub Total (D)	1912	1980	1595	0	14.69	612	14.38	0.31
E. THDC								
Tehri HPS (4*250)	1000	512	510	0	2.02	84	2.00	0.02
Koteswar HPS (4*100)	400	49	101	0	1.19	50	1.18	0.01
Sub Total (E)	1400	561	611	0	3.21	134	3.18	0.03
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	598	1157	367	14.60	608	14.35	0.25
Dehar HPS (6*165)	990	322	660	165	7.76	323	7.72	0.04
Pongl HPS (6*66)	396	62	159	0	1.48	62	1.50	-0.01
Sub Total (F)	2765	982	1976	532	23.84	993	23.57	0.27
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*1000)	1000	0	680	160	5.37	224	5.52	-0.15
KARCHAM WANGTOO HPS(IPP) (2*100)	100	0	110	25	0.53	22	0.64	-0.11
Malana Stg-II HPS (2*50)	300	0	290	295	6.92	288	6.99	-0.07
Shree Cement TPS (2*150)	300	0	290	295	6.92	288	6.99	-0.07
Budhil HPS(IPP) (2*35)	70	0	35	0	0.45	19	0.45	0.00
Sub Total (G)	1662	0	1245	547	14.78	616	14.87	-0.09
H. Total Regional Entities (A-G)	25237	17997	18179	12345	310.56	12940	310.83	-0.27

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	160	160	3.56	148	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.26	94	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	364	365	8.66	361	
	Goindwal(GVK) (2*270)	540	0	0	-0.05	-2	
	Rajpura (2*700)	1400	1320	1320	31.03	1293	
	Talwandi Saboo (3*660)	1980	700	1048	22.12	922	
	Thermal (Total)	6560	2644	2993	67.58	2816	
	Total Hydro	1000	348	336	8.55	356	
	Total Punjab	7560	2992	3329	76.13	3172	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	408	410	9.82	409
DCRTPP (Yamuna nagar) (2*300)		600	271	274	5.87	245	
Faridabad GPS (NTPC)(2*137.75+1*1156)		432	183	166	4.13	172	
RGTPP (khedar) (IPP) (2*600)		1200	1010	960	20.36	849	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	377	378	9.48	395	
Thermal (Total)		4944	2249	2188	49.66	2069	
Total Hydro		62	8	22	0.37	16	
Total Haryana		5006	2257	2210	50.03	2085	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	859	700	18.69	779
	suratgarh TPS (6*250)	1500	951	970	23.36	973	
	Chabra TPS (4*250)	1000	772	827	19.02	792	
	Dholpur GPS (3*110)	330	103	114	2.64	110	
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	145	224	3.26	136	
	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	
	Rajwast LTPS (IPP) (8*135)	1080	481	721	16.04	668	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalsindh Thermal(2*600)	1200	813	1103	23.75	990	
	Kawail(Adani) (2*660)	1320	1056	1174	28.06	1169	
	Thermal (Total)	8876	5180	5833	135	5618	
	Total Hydro	550	0	0	0.00	0	
	Wind power	3214	159	438	7.57	315	
	Biomass	99	17	17	0.41	17	
	Solar	730	0	0	3.02	126	
	Renewable/Others (Total)	4043	176	455	11.00	458	
	Total Rajasthan	13469	5356	6288	145.82	6076	
	UP	Anpara TPS (3*210+2*500)	1630	1347	1583	30.29	1262
Obra TPS (2*50+2*94+5*200)		1194	581	580	13.69	571	
Paricha TPS (2*110+2*220+2*250)		1160	972	957	22.89	954	
Panki TPS (2*105)		210	135	122	3.10	129	
Harduaganj TPS (1*60+1*105+2*250)		665	537	557	13.03	543	
Tanda TPS (NTPC) (4*110)		440	390	390	9.37	390	
Roza TPS (IPP) (4*300)		1200	1085	1098	24.74	1031	
Anpara-C (IPP) (2*600)		1200	1071	1080	25.65	1069	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	281	405	8.62	359	
Anpara-D(2*500)		1000	249	604	12.92	539	
Lalitpur TPS(3*660)		1980	372	499	10.30	429	
Bara(2*660)		1320	549	491	12.91	538	
Thermal (Total)		12449	7569	8366	188	7813	
Vishnuparyag HPS (IPP)(4*110)		440	98	85	2.12	88	
Alakanada(4*82.5)		330	83	80	1.23	51	
Other Hydro		527	39	43	1.20	50	
Cogeneration		981	200	200	4.80	200	
Total UP		14727	7989	8774	197	8202	
Uttarakhand		Total Hydro	1398	441	270	8.25	344
		Total Uttarakhand	1398	441	270	8.25	344
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	35	34	0.86	36	
	Pragati Gas Turbine (2x104+ 1x122)	330	271	279	6.82	284	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	271	6.27	261	
	Badarpur TPS (NTPC) (3*95+2*210)	705	317	326	6.86	286	
	Thermal (Total)	2917	873	910	20.80	867	
	Total Delhi	2917	873	910	20.80	867	
HP	Baspa HPS (IPP) (3*100)	300	0	91	1.39	58	
	Malana HPS (IPP) (2*43)	86	39	16	0.64	27	
	Other Hydro	878	305	245	6.49	271	
	Total HP	1264	344	352	8.52	355	
J & K	Baglihar HPS (IPP) (3*150+2*1150)	750	549	440	12.08	503	
	Other Hydro/IPP	560	118	81	2.25	94	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1500	667	521	14.33	597	
Total State Control Area Generation		47841	20919	22654	520.74	21697	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			5721	8553.4	177.06	7377	
Total Regional Availability(Gross)		73078	44819	43553	1008.36	42015	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9561	2778	108.78	4532
State Control Area Hydro	6881	2028	1709	45	1857
Total Regional Hydro	19115	11589	4487	153.34	6389

(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			
Vindhyachal(HVDC B/B)	250	250	250	0	5.69	0.00	5.69		
765 KV Gwalior-Agra (D/C)	1948	3435	3462	0	72.14	0.00	72.14		
400 KV Zerda-Kankroli	-110	-160	0	286	0.00	4.43	-4.43		
400 KV Zerda-Bhinmal	-37	-89	1	261	0.00	2.49	-2.49		
220 KV Auraiya-Malanpur	-50	-9	0	50	0.00	0.19	-0.19		
220 KV Badod-Kota/Morak	-36	85	94	40	0.47	0.00	0.47		
Mundra-Mohindergarh(HVDC Bipole)	2498	2502	2513	0	60.44	0.00	60.44		
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 kV Phagi-Gwalior (D/C)	516	796	841	0	17.36	0.00	17.36		
Sub Total WR	4979	6810			156.10	7.12	148.98		

Pusaui Bypass/HVDC	400	300	400	400	8.52	0.00	8.52
400 KV MZP- GKP (D/C)	-126	-22	40	278	0.00	2.67	-2.67
400 KV Patna-Balia(D/C) X 2	147	478	529	0	6.55	0.00	6.55
400 KV B'Sharif-Balia (D/C)	53	298	315	7	3.46	0.00	3.46
765 KV Gaya-Balia	205	373	380	0	3.25	0.00	3.25
765 KV Gaya-Varanasi (D/C)	-94	-2	88	186	0.00	0.33	-0.33
220 KV Pusaui-Sahupuri	164	188	200	0	3.96	0.00	3.96
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-24	-20	0	30	0.00	0.49	-0.49
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-409	-357	0	409	0.00	7.81	-7.81
400 KV Barh -GKP (D/C)	244	272	220	0	5.95	0.00	5.95
400 kvB'Sharif - Varanasi (D/C)	-318	-265	0	366	0.00	6.25	-6.25
Sub Total ER	242	1243			32.65	17.55	15.11
+/- 800 KV BiswanathCharialli-Agra	500	500	500	0	12.97	0.00	12.97
Sub Total NER	500	500			12.97	0.00	12.97
Total IR Exch	5721	8553			201.72	24.66	177.06

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
39.25	0.35	39.60	2.52	1.30	0.70	18.50	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
42.82	140.73	183.54	28.08	148.98	177.06	-14.74	8.25	-6.48

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	-32	-30	0	34	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	0.81	4.73	37.07	68.38	21.10	6.45	0.30	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)		
50.28	18.02	49.73	15.16	50.01	0.044	0.065	50.12	49.80	31.62

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	407	20:03	401	3:04	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	13:02	398	22:13	0.0	0.0	0.1	0.0	0.1
Bareilly(PG)400KV	400	416	13:03	392	22:14	0.0	0.0	0.0	0.0	0.0
Kanpur	400	414	13:01	396	0:06	0.0	0.0	0.0	0.0	0.0
Dadri	400	417	4:02	400	22:15	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	422	4:02	401	22:16	0.0	0.0	9.3	0.0	9.3
Bawana	400	420	5:46	401	22:15	0.0	0.0	0.0	0.0	0.0
Bassi	400	420	18:15	392	0:04	0.0	0.0	0.0	0.0	0.0
Hissar	400	417	5:46	396	22:17	0.0	0.0	0.0	0.0	0.0
Moga	400	417	13:23	400	0:04	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	426	13:19	401	22:16	0.0	0.0	6.8	0.0	6.8
Nalagarh	400	428	13:20	407	19:39	0.0	0.0	22.1	0.0	22.1
Kishenpur	400	418	18:00	397	22:15	0.0	0.0	0.0	0.0	0.0
Wagoora	400	411	18:00	379	22:17	0.1	25.2	0.0	0.0	0.1
Amritsar	400	422	13:19	404	19:30	0.0	0.0	2.3	0.0	2.3
Kashipur	400	420	13:03	408	19:33	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	419	4:02	403	8:50	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	409	13:03	380	19:40	0.0	14.5	0.0	0.0	0.0

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	765	13:01	728	0:05	0.0	16.4	0.0	0.0	0.0
Balia	765	777	13:01	739	22:17	0.0	1.5	0.0	0.0	0.0
Moga	765	797	13:01	763	0:06	0.0	0.0	0.0	0.0	0.0
Agra	765	786	18:30	740	0:05	0.0	0.5	0.0	0.0	0.0
Bhiwani	765	795	13:02	759	0:05	0.0	0.0	0.0	0.0	0.0
Unnao	765	764	13:01	730	22:17	0.0	17.7	0.0	0.0	0.0
Lucknow	765	786	13:02	745	22:14	0.0	0.0	0.0	0.0	0.0
Meerut	765	803	13:01	760	0:07	0.0	0.0	1.5	0.0	1.5
Jhatikara	765	794	13:02	756	22:15	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	785	13:03	741	22:17	0.0	0.2	0.0	0.0	0.0
Anta	765	781	18:16	754	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	788	18:30	732	13:35	0.0	0.1	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	475.29	356.29	484.64	577.33	162.31	505.85
Pong	426.72	384.05	394.39	116.59	405.25	352.07	40.97	116.89
Tehri	829.79	740.04	741.30	6.07	762.20	138.97	69.74	78.00
Koteshwar	612.50	598.50	606.94	3.10	610.89	4.95	78.00	78.33
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	175.04	197.03
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	498.24	2.54	521.42	2.71	51.86	130.83

* 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	-84	-245	0	-493	-24	0	-3.65	0.44	-3.21
Delhi	-75	-423	0	-75	-257	0	-1.81	-6.53	-8.34
Haryana	529	261	0	378	279	0	5.67	6.64	12.31
HP	-254	131	0	-102	-354	0	-3.67	1.47	-2.20
J&K	-107	48	0	-107	122	0	-2.57	1.77	-0.80
CHD	0	15	0	0	0	0	0.00	0.74	0.74
Rajasthan	-59	362	0	-55	148	0	-1.39	7.26	5.87
UP	464	540	0	346	0	0	8.40	2.94	11.34
Uttarakhand	29	714	47	224	408	47	7.97	9.82	17.79
Total	441	1403	47	115	322	47	8.94	24.56	33.49

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-84	-493	131	-397	0	0
Delhi	-75	-75	4	-707	0	0
Haryana	529	-25	324	-105	0	0
HP	-102	-254	210	-618	0	0
J&K	-107	-107	136	-26	0	0
CHD	0	0	69	0	0	0
Rajasthan	-55	-59	386	-429	0	0
UP	554	274	1229	0	0	0
Uttarakhand	613	0	714	51	47	47

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	1.39%
ER	0.00%
Simultaneous	11.46%

(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 30.04.2016 :
Normal

XV. Synchronisation of new generating units :

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

0.00
0.00
0.00
0.00

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.