

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसईसी की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188692

Power Supply Position in Northern Region for 23.04.2016

Date of Reporting : 24.04.2016



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
41806	506	42312	50.04	40578	404	40982	50.04	926.7	10.94

* 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	49.52	5.53		55.05	62.28	61.71	-0.57	116.76	0.00
Haryana	41.86	0.43		42.28	87.74	85.45	-2.29	127.73	0.00
Rajasthan	135.86	0.00	8.80	144.67	43.96	45.11	1.14	189.77	0.00
Delhi	20.23			20.23	69.68	67.07	-2.61	87.30	0.06
UP	168.91	4.39		173.29	124.37	123.94	-0.43	297.23	1.11
Uttarakhand		10.97		10.97	25.08	25.79	0.71	36.76	0.00
HP		10.27		10.27	12.82	14.67	1.85	24.94	0.00
J & K		16.29	0.00	16.29	21.93	25.37	3.44	41.66	9.78
Chandigarh				0.00	4.70	4.53	0.27	4.53	0.00
Total	416.38	47.87	8.80	473.05	452.57	453.64	1.51	926.69	10.94

* 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	5249	0	-77	-136	5017	0	-90	192	5810
Haryana	6787	0	-62	659	6114	0	76	815	6965
Rajasthan	7757	0	125	61	8121	0	55	-53	8739
Delhi	3756	0	-186	-51	3831	6	79	-198	4204
UP	13256	0	-446	649	13423	100	284	1366	13697
Uttarakhand	1699	0	-156	764	1375	0	81	613	1776
HP	1062	0	-115	-638	839	0	69	-376	1210
J&K	2025	506	244	-120	1689	298	139	-209	2025
Chandigarh	215	0	-11	0	169	0	-14	0	215
Total	41806	506	-684	1188	40578	404	679	2150	43171

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

Diversity is 1.03

III. Regional Entities :

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

A. NTPC	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
		Singrauli STPS (5*200+2*500)	2000	915	1046	1035	22.16	923	21.13
	Rihand I STPS (2*500)	1000	799	745	847	17.56	732	17.28	0.28
	Rihand II STPS (2*500)	1000	953	889	853	20.17	840	19.87	0.29
	Rihand III STPS (2*500)	1000	945	927	981	21.08	879	20.90	0.18
	Dadri I STPS (4*210)	840	805	569	565	13.36	557	13.54	-0.18
	Dadri II STPS (2*490)	980	480	560	564	8.13	339	8.36	-0.23
	Unchahar I TPS (2*210)	420	340	281	365	6.90	288	6.56	0.34
	Unchahar II TPS (2*210)	420	200	173	216	4.08	170	3.76	0.32
	Unchahar III TPS (1*210)	210	200	155	215	3.71	154	3.76	-0.05
	ISTPP (Jhajjhar) (3*500)	1500	950	758	633	15.05	627	15.33	-0.28
	Dadri GPS (4*130.19+2*154.51)	830	772	362	366	8.53	355	8.59	-0.07
	Anta GPS (3*88.71+1*153.2)	419	265	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	621	148	149	3.48	145	3.58	-0.10
	Dadri Solar(5)	5	1	0	0	0.03	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	0.07	0.01
	KHEP(4*200)	800	727	871	0	4.21	175	4.00	0.21
	Sub Total (A)	12112	8978	7484	6789	149	6190	147	2
B. NPC	NAPS (2*220)	440	396	438	442	9.57	399	9.50	0.07
	RAPS- B (2*220)	440	170	191	192	3.64	152	6.50	-2.86
	RAPS- C (2*220)	440	415	442	442	9.53	397	9.96	-0.43
	Sub Total (B)	1320	981	1071	1076	22.74	947	25.96	-3.23
C. NHPC	Chamera I HPS (3*180)	540	535	375	366	7.39	308	7.10	0.29
	Chamera II HPS (3*100)	300	300	307	245	3.95	164	3.74	0.21
	Chamera III HPS (3*77)	231	231	227	145	2.39	99	2.33	0.06
	Bairasuil HPS(3*60)	180	179	183	60	2.30	96	2.22	0.08
	Salal-HPS (6*115)	690	439	598	446	11.40	475	10.59	0.80
	Tanakpur-HPS (3*31.4)	94	24	24	56	0.64	27	0.58	0.06
	Uri-I HPS (4*120)	480	475	472	470	11.46	477	11.40	0.06
	Uri-II HPS (4*60)	240	235	237	238	5.66	236	5.65	0.01
	Dhauliganga-HPS (4*70)	280	280	284	70	1.56	65	1.47	0.10
	Dulhasti-HPS (3*130)	390	387	401	144	8.18	341	7.76	0.42
	Sewa-II HPS (3*40)	120	119	125	81	2.17	90	2.12	0.05
	Parbati 3 (4*130)	520	276	257	0	1.36	57	1.29	0.06
	Sub Total (C)	4065	3481	3490	2321	58	2435	56	2
D. SJVNL	NJPC (6*250)	1500	1605	1503	401	13.02	542	12.81	0.20
	Rampur HEP (6*68.67)	412	375	372	111	3.58	149	3.45	0.13
	Sub Total (D)	1912	1980	1875	512	16.59	691	16.26	0.33
E. THDC	Tehri HPS (4*250)	1000	387	386	127	3.74	156	3.70	0.04
	Koteshwar HPS (4*100)	400	92	100	91	2.22	93	2.20	0.02
	Sub Total (E)	1400	479	486	218	5.96	248	5.90	0.06
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	582	1105	347	14.13	589	13.96	0.17
	Dehar HPS (6*165)	990	390	660	330	9.03	376	9.35	-0.32
	Pong HPS (6*66)	396	53	159	53	1.21	50	1.27	-0.06
	Sub Total (F)	2765	1024	1924	730	24.38	1016	24.59	-0.21
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*100)	192	0	48	46	0.92	38	1.03	-0.10
	KARCHAM WANGTOO HPS(IPP)	1000	0	680	410	7.14	298	7.20	-0.06
	Malana Stg-II HPS (2*50)	100	0	105	20	0.51	21	0.51	0.00
	Shree Cement TPS (2*150)	300	0	293	287	6.96	290	7.02	-0.06
	Budhil HPS(IPP) (2*35)	70	0	35	35	0.60	25	0.62	-0.03
	Sub Total (G)	1662	0	1161	798	16.14	672	16.39	-0.25
H. Total Regional Entities (A-G)		25237	16923	17491	12444	292.81	12200	292.12	0.69

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sentout MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	156	160	3.62	151
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.22	93
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	366	386	8.52	355
	Goindwal(GVK) (2*270)	540	0	0	-0.05	-2
	Rajpura (2*700)	1400	1220	1320	25.13	1047
	Talwandi Saboo (3*660)	1980	358	614	10.08	420
	Thermal (Total)	6560	2200	2580	49.52	2063
	Total Hydro	1000	272	202	5.53	230
	Total Punjab	7560	2472	2782	55.05	2294
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	422	421	9.95
DCRTPP (Yamuna nagar) (2*300)		600	516	527	11.95	498
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0
RGTPP (khedar) (IPP) (2*600)		1200	822	770	19.95	831
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4944	1760	1718	41.86	1744
Total Hydro		62	9	24	0.43	18
Total Haryana		5006	1769	1742	42.28	1762
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	910	909	21.58
	suratgarh TPS (6*250)	1500	833	825	19.16	798
	Chabra TPS (4*250)	1000	813	879	19.86	827
	Dholpur GPS (3*110)	330	0	0	0.00	0
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	194	203	4.96	207
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	92	92	2.08	87
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	463	721	15.77	657
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	817	1109	24.48	1020
	Kawai(Adani) (2*660)	1320	1064	1170	27.97	1166
	Thermal (Total)	8876	5186	5908	136	5661
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	129	179	4.90	204
	Biomass	99	32	32	0.77	32
	Solar	730	1	0	3.14	131
	Renewable/Others (Total)	4043	162	211	8.80	367
	Total Rajasthan	13469	5348	6119	144.67	6028
	UP	Anpara TPS (3*210+2*500)	1630	1233	1224	28.26
Obra TPS (2*50+2*94+5*200)		1194	288	282	6.80	283
Paricha TPS (2*110+2*220+2*250)		1160	980	989	21.71	905
Panki TPS (2*105)		210	72	72	1.69	70
Harduaganj TPS (1*60+1*105+2*250)		665	549	553	12.89	537
Tanda TPS (NTPC) (4*110)		440	296	299	6.93	289
Roza TPS (IPP) (4*300)		1200	1062	1071	21.85	911
Anpara-C (IPP) (2*600)		1200	1085	990	25.40	1058
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	405	405	7.96	332
Anpara-D(2*500)		1000	362	187	8.37	349
Lalitpur TPS(3*660)		1980	499	499	10.15	423
Bara(2*660)		1320	502	417	12.11	505
Thermal (Total)		12449	7333	6988	164	6838
Vishnuparyag HPS (IPP)(4*110)		440	98	108	2.38	99
Alakanada(4*82.5)		330	83	84	1.37	57
Other Hydro		527	70	12	0.64	27
Cogeneration		981	200	200	4.80	200
Total UP	14727	7784	7392	173	7221	
Uttarakhand	Total Hydro	1398	600	408	10.97	457
	Total Uttarakhand	1398	600	408	10.97	457
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	36	0.83	35
	Pragati Gas Turbine (2x104+ 1x122)	330	265	264	6.41	267
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	251	6.07	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	325	327	6.92	288
	Thermal (Total)	2917	878	878	20.23	843
	Total Delhi	2917	878	878	20.23	843
HP	Baspa HPS (IPP) (3*100)	300	61	143	2.01	84
	Malana HPS (IPP) (2*43)	86	41	21	0.55	23
	Other Hydro	878	345	322	7.72	322
	Total HP	1264	447	486	10.27	428
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	584	584	14.03	585
	Other Hydro/IPP	560	118	81	2.25	94
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	702	665	16.29	679
Total State Control Area Generation		47841	20000	20472	473.05	19710
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			6466.01	8584.11	170.69	7112
Total Regional Availability(Gross)		73078	43957	41500	936.55	39023

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9479	4258	118.16	4923
State Control Area Hydro	6881	2281	1989	48	1995
Total Regional Hydro	19115	11760	6247	166.03	6918

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)	100	100	100	100	2.23	0.18	2.06		
765 KV Gwalior-Agra (D/C)	2344	2986	3239	0	63.63	0.00	63.63		
400 KV Zerda-Kankroli	-116	-143	0	301	0.00	4.58	-4.58		
400 KV Zerda-Bhinmal	-37	-72	40	243	0.00	2.61	-2.61		
220 KV Auraiya-Malanpur	-36	-6	0	52	0.00	0.28	-0.28		
220 KV Badod-Kota/Morak	-2	71	88	28	0.55	0.00	0.55		
Mundra-Mohinderghar(HVDC Bipole)	2097	2503	2508	0	54.64	0.00	54.64		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 kV Phagi-Gwalior (D/C)	659	846	929	0	16.74	0.00	16.74		
Sub Total WR	5009	6285			137.78	7.65	130.14		

Pusauli Bypass/HVDC	100	100	100	0	2.43	0.00	2.43
400 KV MZP- GKP (D/C)	112	262	262	228	2.36	0.00	2.36
400 KV Patna-Balia(D/C) X 2	324	384	532	0	10.02	0.00	10.02
400 KV B'Sharif-Balia (D/C)	61	162	162	0	1.13	0.00	1.13
765 KV Gaya-Balia	117	227	227	0	2.12	0.00	2.12
765 KV Gaya-Varanasi -1	31	183	183	0	0.99	0.00	0.99
220 KV Pusauli-Sahupuri	148	148	194	0	4.07	0.00	4.07
132 KV K'nasa-Sahupuri	0	0	0	0	1.44	0.00	1.44
132 KV Son Ngr-Rihand	-24	-24	0	30	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-155	-76	12	297	0.00	2.20	-2.20
400 KV Barh -GKP (D/C)	438	450	520	0	10.37	0.00	10.37
400 kvB'Sharif - Varanasi (D/C)	-195	-17	0	220	0.00	3.24	-3.24
Sub Total ER	957	1799			34.93	6.00	28.93
+/- 800 KV BiswanathCharialli-Agra	500	500	507	0	11.63	0.00	11.63
Sub Total NER	500	500			11.63	0.00	11.63
Total IR Exch	6466	8584			184.34	13.65	170.69

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
35.61	0.71	36.33	4.57	1.30	3.94	22.38	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
44.84	137.45	182.29	40.55	130.14	170.69	-4.29	-7.31	-11.60

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	-29	-31	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	0.73	8.23	48.30	72.91	15.56	3.36	0.03	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)		
50.21	18.02	49.75	14.14	49.99	0.044	50.10	49.83	27.09	

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	07:59	400	00:24	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	425	13:02	398	19:27	0.0	0.0	8.2	0.0	8.2
Bareilly(PG)400kV	400	420	18:04	384	18:35	0.0	0.1	0.0	0.0	0.0
Kanpur	400	420	08:03	400	00:46	0.0	0.0	0.0	0.0	0.0
Dadri	400	421	08:01	402	00:07	0.0	0.0	0.5	0.0	0.5
Ballabgarh	400	427	08:04	405	00:02	0.0	0.0	25.3	0.0	25.3
Bawana	400	424	08:03	404	00:00	0.0	0.0	14.8	0.0	14.8
Bassi	400	424	18:31	395	23:16	0.0	0.0	3.4	0.0	3.4
Hissar	400	422	18:01	400	00:01	0.0	0.0	0.8	0.0	0.8
Moga	400	419	18:01	399	22:46	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	427	13:23	405	19:42	0.0	0.0	48.2	0.0	48.2
Nalagarh	400	428	18:00	409	22:48	0.0	0.0	48.6	0.0	48.6
Kishenpur	400	420	03:34	397	22:07	0.0	0.0	0.0	0.0	0.0
Wagoor	400	410	03:42	374	20:21	14.1	23.7	0.0	0.0	14.1
Amritsar	400	424	03:50	404	22:07	0.0	0.0	23.6	0.0	23.6
Kashipur	400	423	18:16	410	00:45	0.0	0.0	4.3	0.0	4.3
Hamirpur	400	421	05:30	405	23:11	0.0	0.0	0.2	0.0	0.2
Rishikesh	400	417	18:19	384	00:46	0.0	9.4	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	781	08:03	744	00:50	0.0	0.0	0.0	0.0	0.0
Balia	765	786	08:03	748	19:34	0.0	0.0	0.0	0.0	0.0
Moga	765	805	18:01	763	00:07	0.0	0.0	2.3	0.0	2.3
Agra	765	797	18:31	753	01:08	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	780	08:04	743	00:48	0.0	0.0	0.0	0.0	0.0
Lucknow	765	791	08:04	753	00:47	0.0	0.0	0.0	0.0	0.0
Meerut	765	814	18:15	766	00:01	0.0	0.0	17.9	0.0	17.9
Jhatikara	765	803	18:16	764	22:47	0.0	0.0	2.1	0.0	2.1
Bareilly 765 kV	765	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Anta	765	778	17:59	756	22:46	0.0	0.0	0.0	0.0	0.0
Phagi	765	792	18:01	749	22:47	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	477.59	407.63	483.28	544.27	292.29	518.54
Pong	426.72	384.05	394.73	121.45	404.67	336.10	43.04	97.27
Tehri	829.79	740.04	743.35	15.87	764.75	161.00	64.86	143.00
Koteshwar	612.50	598.50	608.87	3.98	610.89	4.95	143.00	146.36
Chamera-I	760.00	748.75	755.68	0.00	0.00	0.00	175.29	203.44
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	498.10	1.14	518.35	3.12	166.48	18.54

* 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	21	171	0	-389	253	0	-1.14	6.55	5.41
Delhi	-76	-122	0	-76	25	0	-1.67	2.45	0.77
Haryana	503	311	0	353	306	0	6.75	3.62	10.38
HP	-279	-97	0	-126	-511	0	-4.25	-3.15	-7.40
J&K	-183	-26	0	-107	-13	0	-3.68	-0.72	-4.40
CHD	0	0	0	0	0	0	0.00	0.44	0.44
Rajasthan	-367	315	0	-363	425	0	-8.47	9.47	1.00
UP	819	547	0	649	0	0	16.74	4.99	21.73
Uttarakhand	0	464	149	223	377	163	6.47	8.92	15.38
Total	439	1562	149	163	862	163	10.74	32.57	43.31

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	21	-389	363	23	0	0
Delhi	-27	-76	527	-272	0	0
Haryana	503	44	314	-228	0	0
HP	-126	-279	103	-713	0	0
J&K	-107	-208	-13	-114	0	0
CHD	0	0	50	0	0	0
Rajasthan	-60	-367	429	-13	0	0
UP	885	444	1168	0	0	0
Uttarakhand	524	0	484	3	163	148

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	6.94%

(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 23.04.2016 :
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.