

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 17.04.2016

Date of Reporting : 18.04.2016



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
40731	1918	42649	50.01	40173	483	40655	49.90	896.0	33.33

* 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	51.28	8.18		59.46	49.86	48.47	-1.40	107.93	0.00
Haryana	39.82	0.38		40.20	80.47	76.43	-4.04	116.63	0.00
Rajasthan	109.61	0.13	19.37	129.11	51.66	53.29	1.63	182.40	0.00
Delhi	14.03			14.03	72.70	72.91	0.21	86.94	0.10
UP	175.88	5.30		181.18	117.69	117.93	0.24	299.11	23.79
Uttarakhand		10.37		10.37	25.95	25.62	-0.32	36.00	0.00
HP		9.70		9.70	12.25	12.85	0.60	22.55	0.00
J & K		12.81	0.00	12.81	26.12	27.31	1.19	40.13	9.44
Chandigarh				0.00	4.17	4.33	0.27	4.33	0.00
Total	390.61	46.88	19.37	456.86	440.88	439.15	-1.62	896.01	33.33

* 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	5018	0	26	-131	5058	0	37	-528	5353
Haryana	6482	0	-357	619	5966	0	-40	779	6521
Rajasthan	7447	0	28	322	8003	25	8	127	8322
Delhi	3721	35	-157	-123	3853	3	191	-224	4287
UP	13175	1385	-405	212	13252	180	-52	1554	14035
Uttarakhand	1732	0	-202	738	1504	0	111	565	1732
HP	951	0	-60	-625	822	0	116	-147	1134
J&K	1993	498	42	104	1556	275	70	-33	1993
Chandigarh	212	0	-3	-15	159	0	29	0	212
Total	40731	1918	-1088	1102	40173	483	470	2092	41563

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

Diversity is 1.05

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	1023	1064	20.89	870	20.21
	Rihand I STPS (2*500)	1000	738	776	790	15.49	646	15.17	0.33
	Rihand II STPS (2*500)	1000	952	763	979	19.11	796	19.73	-0.63
	Rihand III STPS (2*500)	1000	948	909	847	19.64	818	20.10	-0.46
	Dadri I STPS (4*210)	840	815	560	572	14.03	584	14.68	-0.65
	Dadri II STPS (2*490)	980	485	374	410	8.96	373	9.45	-0.49
	Unchahar I TPS (2*210)	420	340	332	375	6.91	288	6.68	0.23
	Unchahar II TPS (2*210)	420	200	189	217	4.07	170	3.85	0.22
	Unchahar III TPS (1*210)	210	200	202	222	3.79	158	3.83	-0.04
	ISTPP (Jhajjhar) (3*500)	1500	950	811	882	16.70	696	17.12	-0.42
	Dadri GPS (4*130.19+2*154.51)	830	781	352	362	8.07	336	8.32	-0.25
	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	289	283	6.54	272	6.58	-0.05
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.03	1	0.04	-0.01
	Singrauli Solar(15)	15	2	0	0	0.01	0	0.05	-0.04
	KHEP(4*200)	800	872	520	0	2.75	114	2.70	0.05
	Sub Total (A)	12112	9087	7100	7003	147	6125	149	-2
B. NPC	NAPS (2*220)	440	395	420	433	9.39	391	9.48	-0.09
	RAPS- B (2*220)	440	372	411	422	8.93	372	8.93	0.00
	RAPS- C (2*220)	440	415	440	444	9.55	398	9.96	-0.41
	Sub Total (B)	1320	1182	1271	1299	27.87	1161	28.37	-0.50
C. NHPC	Chamera I HPS (3*180)	540	535	537	0	5.15	215	5.00	0.15
	Chamera II HPS (3*100)	300	300	306	80	4.71	196	4.55	0.16
	Chamera III HPS (3*77)	231	231	233	0	3.18	133	3.04	0.14
	Bairasuil HPS(3*60)	180	179	18385	71	3.28	137	3.09	0.19
	Salal-HPS (6*115)	690	363	560	340	9.62	401	8.68	0.94
	Tanakpur-HPS (3*31.4)	94	24	30	30	0.63	26	0.57	0.06
	Uri-I HPS (4*120)	480	475	470	473	11.47	478	11.40	0.08
	Uri-II HPS (4*60)	240	237	241	241	5.73	239	5.69	0.04
	Dhauliganga-HPS (4*70)	280	280	72	0	2.17	90	2.03	0.14
	Dulhasti-HPS (3*130)	390	373	404	136	7.41	309	7.14	0.26
	Sewa-II HPS (3*40)	120	119	90	0	1.10	46	1.00	0.10
	Parbati 3 (4*130)	520	260	261	130	1.29	54	1.28	0.01
	Sub Total (C)	4065	3378	21591	1502	56	2323	53	2
D. SJVNL	NJPC (6*250)	1500	1605	1605	0	1.30	54	12.88	-11.58
	Rampur HEP (6*68.67)	412	375	378	0	3.65	152	3.49	0.16
	Sub Total (D)	1912	1980	1983	0	4.95	206	16.37	-11.42
E. THDC	Tehri HPS (4*250)	1000	399	400	0	4.17	174	4.20	-0.03
	Koteshwar HPS (4*100)	400	92	101	91	2.22	92	2.20	0.02
	Sub Total (E)	1400	491	501	91	6.39	266	6.40	-0.01
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	550	994	370	13.46	561	13.20	0.26
	Dehar HPS (6*165)	990	352	660	165	8.79	366	8.44	0.35
	Pong HPS (6*66)	396	128	216	54	3.09	129	3.08	0.01
	Sub Total (F)	2765	1030	1870	589	25.34	1056	24.72	0.62
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*100)	192	0	108	54	1.13	47	0.91	0.22
	KARCHAM WANGTOO HPS(IPP)	1000	0	800	290	66.72	2780	7.14	59.58
	Malana Stg-II HPS (2*50)	100	0	0	0	0.32	14	0.54	-0.22
	Shree Cement TPS (2*150)	300	0	292	298	7.02	292	6.97	0.05
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.36	15	0.40	-0.04
	Sub Total (G)	1662	0	1237	642	75.55	3148	15.96	59.59
H. Total Regional Entities (A-G)		25237	17147	35553	11125	342.84	14285	293.82	49.02

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	160	159	3.48	145
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	204	0.98	41
	Goindwal(GVK) (2*270)	540	180	180	4.14	172
	Rajpura (2*700)	1400	1160	1320	23.41	976
	Talwandi Saboo (3*660)	1980	716	1228	19.29	804
	Thermal (Total)	6560	2216	3091	51.28	2137
	Total Hydro	1000	363	457	8.18	341
	Total Punjab	7560	2579	3548	59.46	2477
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	236	208	5.35
DCRTPP (Yamuna nagar) (2*300)		600	535	541	11.73	489
Faridabad GPS (NTPC)(2*137.75+1*156)		432	174	183	4.00	167
RGTPP (khedar) (IPP) (2*600)		1200	963	761	18.74	781
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4944	1908	1693	39.82	1659
Total Hydro		62	15	17	0.38	16
Total Haryana		5006	1923	1710	40.20	1675
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1006	1032	26.01
	suratgarh TPS (6*250)	1500	595	575	12.37	515
	Chabra TPS (4*250)	1000	783	808	20.51	854
	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	201	164	4.92	205
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	69	63	1.39	58
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwast LTPS (IPP) (8*135)	1080	512	795	17.25	719
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	404	446	11.36	473
	Kawai(Adani) (2*660)	1320	518	994	15.80	658
	Thermal (Total)	8876	4088	4877	110	4567
	Total Hydro	550	2	22	0.13	6
	Wind power	3214	410	1422	18.65	777
	Biomass	99	30	30	0.72	30
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	440	1452	19.37	807
	Total Rajasthan	13469	4530	6351	129.11	5379
	UP	Anpara TPS (3*210+2*500)	1630	1228	1237	29.40
Obra TPS (2*50+2*94+5*200)		1194	341	431	8.30	346
Paricha TPS (2*110+2*220+2*250)		1160	985	1006	22.20	925
Panki TPS (2*105)		210	72	0	0.80	33
Harduaganj TPS (1*60+1*105+2*250)		665	547	538	12.40	517
Tanda TPS (NTPC) (4*110)		440	380	390	8.98	374
Roza TPS (IPP) (4*300)		1200	1049	1103	22.60	942
Anpara-C (IPP) (2*600)		1200	1076	1080	25.80	1075
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	491	506	7.90	329
Anpara-D(2*500)		1000	442	235	8.70	363
Lalitpur TPS(3*660)		1980	491	506	9.40	392
Bara(2*660)		1320	499	532	12.20	508
Thermal (Total)		12449	7601	7564	169	7028
Vishnuparyag HPS (IPP)(4*110)		440	142	142	2.60	108
Alakanada(4*82.5)		330	84	84	1.90	79
Other Hydro		527	48	3	0.80	33
Cogeneration		981	300	300	7.20	300
Total UP	14727	8175	8093	181	7549	
Uttarakhand	Total Hydro	1398	481	408	10.37	432
	Total Uttarakhand	1398	481	408	10.37	432
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	17	33	0.50	21
	Pragati Gas Turbine (2x104+ 1x122)	330	267	269	6.60	275
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	0	0	0.00	0
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	325	6.93	289
	Thermal (Total)	2917	614	627	14.03	585
	Total Delhi	2917	614	627	14.03	585
HP	Baspa HPS (IPP) (3*100)	300	0	103	1.85	77
	Malana HPS (IPP) (2*43)	86	0	0	0.51	21
	Other Hydro	878	283	290	7.34	306
	Total HP	1264	283	393	9.70	404
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	440	440	10.56	440
	Other Hydro/IPP	560	117	82	2.25	94
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	557	522	12.81	534
Total State Control Area Generation		47841	19142	21651	456.86	19036
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			5798	8148	153.90	6413
Total Regional Availability(Gross)		73078	60493	40924	953.60	39734

IV. Total Hydro Generation:

Regional Entities Hydro	12234	27372	2525	163.34	6806
State Control Area Hydro	6881	1975	2048	47	1954
Total Regional Hydro	19115	29347	4573	210.22	8759

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)	-150	250	250	150			2.54	1.66	0.88
765 KV Gwalior-Agra (D/C)	2089	3007	3025	0			54.73	0.00	54.73
400 KV Zerda-Kankroli	-216	-289	0	402			0.00	7.41	-7.41
400 KV Zerda-Bhinmal	-166	-263	0	361			0.00	5.96	-5.96
220 KV Auraiya-Malanpur	-80	-31	0	83			0.00	1.19	-1.19
220 KV Badod-Kota/Morak	-45	-48	0	134			0.00	1.57	-1.57
Mundra-Mohinderghar(HVDC Bipole)	2198	2498	2508	0			55.69	0.00	55.69
400 KV Vindhychal - Rihand	0	0	0	0			0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	956	988	1234	0			20.92	0.00	20.92
Sub Total WR	4586	6112					133.87	17.79	116.09

Pusauli Bypass/HVDC	300	300	300	0	7.27	0.00	7.27
400 KV MZP- GKP (D/C)	52	256	310	116	3.58	0.00	3.58
400 KV Patna-Balia(D/C) X 2	363	479	519	0	10.19	0.00	10.19
400 KV B'Sharif-Balia (D/C)	24	269	279	0	3.35	0.00	3.35
765 KV Gaya-Balia	236	236	249	0	3.00	0.00	3.00
765 KV Gaya-Varanasi -1	64	138	148	0	61.96	0.00	61.96
220 KV Pusauli-Sahupuri	139	147	195	0	4.07	0.00	4.07
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	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-158	-150	0	286	0.00	3.39	-3.39
400 KV Barh -GKP (D/C)	332	434	476	0	9.27	0.00	9.27
400 kvB'Sharif - Varanasi (D/C)	-116	-53	0	175	0.00	63.47	-63.47
Sub Total ER	1212	2036			103.64	67.40	36.24
+/- 800 KV BiswanathCharialli-Agra	0	0	500	0	1.57	0.00	1.57
Sub Total NER	0	0			1.57	0.00	1.57
Total IR Exch	5798	8148			239.09	85.19	153.90

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
31.61	0.39	32.00	4.37	2.28	-0.06	18.82	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
36.31	129.60	165.91	37.82	116.09	153.90	1.51	-13.52	-12.01

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	-34	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	0.23	2.78	37.04	69.24	21.23	6.84	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)		
50.10	9.15	49.91	1.15	50.02	0.035	50.19	0.00	30.76	

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	09:22	400	23:53	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	11:20	396	23:18	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	14:34	391	22:41	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	09:05	396	22:22	0.0	0.0	0.0	0.0	0.0
Dadri	400	423	09:03	400	22:23	0.0	0.0	8.8	0.0	8.8
Ballabgarh	400	428	08:04	402	22:22	0.0	0.0	53.0	0.0	53.0
Bawana	400	426	09:02	400	22:20	0.0	0.0	29.2	0.0	29.2
Bassi	400	424	17:59	396	22:22	0.0	0.0	5.0	0.0	5.0
Hissar	400	424	09:02	396	22:39	0.0	0.0	9.2	0.0	9.2
Moga	400	419	09:02	395	22:08	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	429	09:04	397	19:14	0.0	0.0	41.6	0.0	41.6
Nalagarh	400	432	13:01	407	19:16	0.0	0.0	60.1	5.4	60.1
Kishenpur	400	419	10:46	395	20:42	0.0	0.0	0.0	0.0	0.0
Wagooora	400	404	04:10	373	20:42	15.7	23.1	0.0	0.0	15.7
Amritsar	400	426	13:01	403	19:20	0.0	0.0	40.5	0.0	40.5
Kashipur	400	420	17:33	407	22:39	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	425	13:03	401	00:00	0.0	0.0	33.0	0.0	33.0
Rishikesh	400	420	14:34	379	22:23	0.1	21.1	0.0	0.0	0.1

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	777	09:05	732	23:21	0.0	12.7	0.0	0.0	0.0
Balia	765	780	10:02	740	22:39	0.0	2.0	0.0	0.0	0.0
Moga	765	806	09:02	754	22:21	0.0	0.0	4.7	0.0	4.7
Agra	765	794	09:04	745	22:24	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	09:03	766	00:00	0.0	0.0	19.1	0.0	19.1
Unnao	765	775	09:05	734	22:39	0.0	13.1	0.0	0.0	0.0
Lucknow	765	787	09:05	743	22:38	0.0	0.0	0.0	0.0	0.0
Meerut	765	816	09:18	759	23:19	0.0	0.0	26.9	0.0	26.9
Jhatikara	765	806	09:03	756	22:41	0.0	0.0	7.7	0.0	7.7
Bareilly 765 kV	765	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Anta	765	782	17:31	760	22:22	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	18:00	752	22:28	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	478.47	427.60	482.19	511.55	197.34	432.40
Pong	426.72	384.05	395.53	136.17	404.17	320.26	47.09	235.06
Tehri	829.79	740.04	745.65	29.00	766.85	180.91	81.28	155.00
Koteshwar	612.50	598.50	611.20	5.17	610.89	4.95	155.00	146.30
Chamera-I	760.00	748.75	756.51	0.00	0.00	0.00	184.90	141.80
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	496.11	1.54	516.85	1.91	115.35	101.29

* 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	11	-539	0	-390	259	0	-1.21	3.27	2.06
Delhi	-81	-143	0	-81	-43	0	-1.94	-1.90	-3.84
Haryana	568	211	0	418	202	0	7.78	0.87	8.64
HP	-227	80	0	-75	-550	0	-3.02	-1.29	-4.30
J&K	-119	86	0	-119	222	0	-2.85	2.24	-0.60
CHD	0	0	0	0	-15	0	0.00	-0.08	-0.08
Rajasthan	-60	186	0	-55	377	0	-1.40	8.19	6.79
UP	301	1253	0	212	0	0	5.01	7.91	12.91
Uttarakhand	140	424	0	267	472	0	8.28	5.88	14.16
Total	534	1558	0	177	925	0	10.66	25.08	35.74

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	19	-390	348	-592	0	0
Delhi	-81	-81	66	-336	0	0
Haryana	568	165	268	-392	0	0
HP	-75	-227	161	-733	0	0
J&K	-119	-119	222	-101	0	0
CHD	0	0	0	-35	0	0
Rajasthan	-55	-60	401	82	0	0
UP	311	151	1258	0	0	0
Uttarakhand	480	140	472	36	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	4.51%

(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 17.04.2016 :
Normal

XV. Synchronisation of new generating units :

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

125 MVAR damaged Bus Reactor has been replaced with new 80 MVAR Bus Reactor as a temporary arrangement at 2011 hrs on 15.04.16 at 765kV Lucknow

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.