

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसईड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188692

Power Supply Position in Northern Region for 19.04.2016

Date of Reporting : 20.04.2016



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
42200	2215	44415	50.01	40830	645	41476	49.90	942.3	39.74

* 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	48.66	7.35		56.00	60.40	59.55	-0.85	115.56	0.00
Haryana	41.20	0.45		41.65	88.02	86.64	-1.38	128.29	0.00
Rajasthan	127.51	0.00	11.71	139.22	52.98	54.38	1.40	193.59	0.00
Delhi	20.83			20.83	78.39	77.29	-1.10	98.12	0.07
UP	169.03	5.40		174.43	120.07	121.79	1.72	296.22	29.62
Uttarakhand		9.55		9.55	26.52	28.69	2.18	38.24	0.06
HP		11.14		11.14	12.27	13.71	1.44	24.85	0.00
J & K		16.31	0.00	16.31	24.68	26.18	1.50	42.49	9.99
Chandigarh				0.00	4.89	4.99	0.27	4.99	0.00
Total	407.22	50.20	11.71	469.13	468.21	473.21	5.18	942.34	39.74

* 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	4988	0	-95	-136	5228	0	61	69	5490
Haryana	7237	0	-21	677	6047	0	-30	817	7237
Rajasthan	7691	0	-164	297	8009	0	144	358	8651
Delhi	4245	0	-108	-67	4051	3	74	-177	4752
UP	12954	1735	-64	249	13368	350	-50	1075	13485
Uttarakhand	1860	0	68	645	1471	0	153	384	1860
HP	1073	0	-11	-521	832	0	64	-199	1215
J&K	1919	480	132	78	1657	292	52	-95	2010
Chandigarh	233	0	-15	0	168	0	-17	240	240
Total	42200	2215	-278	1223	40830	645	450	2252	42773

* 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	1044	1025	21.91	913	21.07
	Rihand I STPS (2*500)	1000	467	425	779	10.91	455	10.47	0.44
	Rihand II STPS (2*500)	1000	952	1036	1015	21.40	891	20.92	0.47
	Rihand III STPS (2*500)	1000	950	999	1015	21.22	884	20.98	0.24
	Dadri I STPS (4*210)	840	815	675	610	14.30	596	14.86	-0.56
	Dadri II STPS (2*490)	980	485	435	416	9.29	387	9.96	-0.68
	Unchahar I TPS (2*210)	420	340	314	351	7.26	302	7.21	0.04
	Unchahar II TPS (2*210)	420	200	163	205	3.82	159	3.79	0.02
	Unchahar III TPS (1*210)	210	200	158	203	3.75	156	3.84	-0.10
	ISTPP (Jhajjhar) (3*500)	1500	950	898	606	15.89	662	16.14	-0.25
	Dadri GPS (4*130.19+2*154.51)	830	771	355	365	8.46	353	8.64	-0.18
	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	251	289	6.65	277	6.73	-0.08
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	-0.01
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.04	0.00
	Singrauli Solar(15)	15	2	0	0	0.07	3	0.05	0.01
	KHEP(4*200)	800	872	655	0	5.17	215	5.00	0.17
	Sub Total (A)	12112	8808	7408	6879	150	6256	150	0
B. NPC	NAPS (2*220)	440	393	424	440	9.45	394	9.43	0.01
	RAPS- B (2*220)	440	372	415	420	8.96	373	8.93	0.03
	RAPS- C (2*220)	440	415	438	444	9.48	395	9.96	-0.48
	Sub Total (B)	1320	1180	1277	1304	27.88	1162	28.32	-0.44
C. NHPC	Chamera I HPS (3*180)	540	535	413	111	7.48	312	7.08	0.40
	Chamera II HPS (3*100)	300	300	305	79	4.79	200	4.48	0.31
	Chamera III HPS (3*77)	231	231	229	0	3.19	133	3.06	0.13
	Bairasuil HPS(3*60)	180	179	184	61	2.98	124	2.94	0.04
	Salal-HPS (6*115)	690	491	534	500	12.68	528	11.64	1.04
	Tanakpur-HPS (3*31.4)	94	30	36	57	0.81	34	0.70	0.11
	Uri-I HPS (4*120)	480	475	473	471	11.44	477	11.38	0.07
	Uri-II HPS (4*60)	240	237	241	241	5.75	239	5.68	0.07
	Dhauliganga-HPS (4*70)	280	280	283	0	1.93	81	1.76	0.17
	Dulhasti-HPS (3*130)	390	387	405	407	9.47	394	9.20	0.27
	Sewa-II HPS (3*40)	120	119	121	42	2.55	106	2.39	0.16
	Parbati 3 (4*130)	520	260	265	0	1.29	54	1.24	0.05
	Sub Total (C)	4065	3524	3490	1969	64	2682	62	3
D. SJVNL	NJPC (6*250)	1500	1605	1427	256	12.60	525	12.61	-0.01
	Rampur HEP (6*68.67)	412	375	373	72	3.51	146	3.43	0.08
	Sub Total (D)	1912	1980	1800	328	16.12	671	16.04	0.07
E. THDC	Tehri HPS (4*250)	1000	333	394	132	3.73	156	3.70	0.03
	Koteshwar HPS (4*100)	400	92	102	92	2.26	94	2.20	0.06
	Sub Total (E)	1400	425	496	224	5.99	250	5.90	0.09
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	536	1122	353	13.00	542	12.86	0.14
	Dehar HPS (6*165)	990	538	660	610	13.09	545	12.92	0.17
	Pong HPS (6*66)	396	133	159	53	3.11	130	3.19	-0.08
	Sub Total (F)	2765	1207	1941	1016	29.20	1217	28.97	0.23
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*100)	192	0	54	107	1.45	60	1.40	0.05
	KARCHAM WANGTOO HPS(IPP)	1000	0	680	290	6.79	283	6.96	-0.16
	Malana Stg-II HPS (2*50)	100	0	25	30	0.09	4	0.80	-0.72
	Shree Cement TPS (2*150)	300	0	292	299	6.93	289	7.21	-0.28
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.46	19	0.42	0.04
	Sub Total (G)	1662	0	1089	726	15.72	655	16.79	-1.07
H. Total Regional Entities (A-G)		25237	17124	17501	12446	309.40	12892	307.33	2.07

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	210	160	3.59	150
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	105	0	1.09	45
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	229	186	4.25	177
	Goindwal(GVK) (2*270)	540	180	180	4.45	185
	Rajpura (2*700)	1400	860	1320	22.89	954
	Talwandi Saboo (3*660)	1980	308	716	12.39	516
	Thermal (Total)	6560	1892	2562	48.66	2027
	Total Hydro	1000	420	279	7.35	306
	Total Punjab	7560	2312	2841	56.00	2334
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	461	433	10.10
DCRTPP (Yamuna nagar) (2*300)		600	528	461	11.27	470
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0
RGTPP (khedar) (IPP) (2*600)		1200	1122	758	19.83	826
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4944	2111	1652	41.20	1717
Total Hydro		62	10	27	0.45	19
Total Haryana		5006	2121	1679	41.65	1735
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	922	865	21.22
	suratgarh TPS (6*250)	1500	827	758	18.63	776
	Chabra TPS (4*250)	1000	595	756	16.67	695
	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	197	194	5.00	208
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	93	92	2.02	84
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwast LTPS (IPP) (8*135)	1080	537	468	14.32	597
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	836	816	23.24	968
	Kawai(Adani) (2*660)	1320	1022	902	26.40	1100
	Thermal (Total)	8876	5029	4851	128	5313
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	123	841	8.31	346
	Biomass	99	20	20	0.48	20
	Solar	730	0	0	2.92	122
	Renewable/Others (Total)	4043	143	861	11.71	488
	Total Rajasthan	13469	5172	5712	139.22	5801
	UP	Anpara TPS (3*210+2*500)	1630	1223	1232	29.40
Obra TPS (2*50+2*94+5*200)		1194	212	255	5.30	221
Paricha TPS (2*110+2*220+2*250)		1160	927	941	22.40	933
Panki TPS (2*105)		210	72	77	1.80	75
Harduaganj TPS (1*60+1*105+2*250)		665	545	545	13.10	546
Tanda TPS (NTPC) (4*110)		440	390	390	9.33	389
Roza TPS (IPP) (4*300)		1200	1058	1108	25.40	1058
Anpara-C (IPP) (2*600)		1200	1081	1076	25.70	1071
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	405	405	8.10	338
Anpara-D(2*500)		1000	562	500	11.90	496
Lalitpur TPS(3*660)		1980	0	0	0.00	0
Bara(2*660)		1320	546	294	11.80	492
Thermal (Total)		12449	7021	6823	164	6843
Vishnuparyag HPS (IPP)(4*110)		440	103	103	2.40	100
Alakanada(4*82.5)		330	84	85	1.50	63
Other Hydro		527	48	163	1.50	63
Cogeneration		981	200	200	4.80	200
Total UP		14727	7456	7374	174	7268
Uttarakhand	Total Hydro	1398	491	408	9.55	398
	Total Uttarakhand	1398	491	408	9.55	398
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	36	37	0.82	34
	Pragati Gas Turbine (2x104+ 1x122)	330	262	264	6.41	267
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	255	253	6.10	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	331	7.52	313
	Thermal (Total)	2917	883	885	20.83	868
	Total Delhi	2917	883	885	20.83	868
HP	Baspa HPS (IPP) (3*100)	300	0	77	1.92	80
	Malana HPS (IPP) (2*43)	86	12	21	0.81	34
	Other Hydro	878	340	378	8.41	350
	Total HP	1264	352	476	11.14	464
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	592	592	14.06	586
	Other Hydro/IPP	560	118	82	2.25	94
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	710	674	16.31	680
Total State Control Area Generation		47841	19497	20049	469.13	19547
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			6753	9025	183.96	7665
Total Regional Availability(Gross)		73078	43751	41519	962.49	40104

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9141	3964	129.17	5382
State Control Area Hydro	6881	2218	2215	50	2092
Total Regional Hydro	19115	11359	6179	179.37	7474

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
	Import	Export	Import	Export	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-50	250	250	250	1.35	1.65	-0.30		
765 KV Gwalior-Agra (D/C)	2469	2963	3016	0	59.18	0.00	59.18		
400 KV Zerda-Kankroli	-194	-199	0	379	0.00	6.77	-6.77		
400 KV Zerda-Bhinmal	-133	-136	0	288	0.00	4.90	-4.90		
220 KV Auraiya-Malanpur	-57	-34	0	80	0.00	1.07	-1.07		
220 KV Badod-Kota/Morak	-35	18	40	93	0.00	0.56	-0.56		
Mundra-Mohinderghar(HVDC Bipole)	2497	2504	2508	0	60.46	0.00	60.46		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 kV Phagi-Gwalior (D/C)	773	1088	1133	0	18.52	0.00	18.52		
Sub Total WR	5270	6454			139.50	14.96	124.55		

Pusauli Bypass/HVDC	50	50	50	0	1.10	0.01	1.09
400 KV MZP- GKP (D/C)	-34	342	396	34	3.81	0.00	3.81
400 KV Patna-Balia(D/C) X 2	305	646	646	0	12.56	0.00	12.56
400 KV B'Sharif-Balia (D/C)	11	210	210	8	2.71	0.00	2.71
765 KV Gaya-Balia	143	294	294	0	2.73	0.00	2.73
765 KV Gaya-Varanasi -1	-35	-199	206	84	6.22	0.00	6.22
220 KV Pusauli-Sahupuri	151	192	199	0	4.09	0.00	4.09
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-24	0	29	0.00	0.53	-0.53
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-107	61	61	268	0.00	1.12	-1.12
400 KV Barh -GKP (D/C)	386	502	516	0	10.43	0.00	10.43
400 kvB'Sharif - Varanasi (D/C)	139	-3	62	304	6.34	0.00	6.34
Sub Total ER	983	2071			49.98	1.65	48.32
+/- 800 KV BiswanathCharialli-Agra	500	500	485	0	11.09	0.00	11.09
Sub Total NER	500	500			11.09	0.00	11.09
Total IR Exch	6753	9025			200.57	16.61	183.96

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
37.49	0.70	38.19	5.49	2.64	-0.04	21.66	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
43.64	136.79	180.43	59.42	124.55	183.96	15.78	-12.24	3.54

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	-31	-28	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	0.90	7.56	55.75	75.65	13.37	3.51	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)		
50.20	18.32	49.71	23.07	49.99	0.042	0.064	50.18	0.00	24.35

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	410	08:05	401	20:19	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	08:01	399	22:47	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	08:03	390	22:47	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	08:04	400	01:07	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	08:06	399	22:37	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	424	08:02	397	22:47	0.0	0.0	4.4	0.0	4.4
Bawana	400	422	08:08	398	22:46	0.0	0.0	1.0	0.0	1.0
Bassi	400	419	18:31	388	22:46	0.0	1.4	0.0	0.0	0.0
Hissar	400	416	08:04	393	22:46	0.0	0.0	0.0	0.0	0.0
Moga	400	414	18:01	396	00:04	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	423	08:06	399	19:15	0.0	0.0	4.1	0.0	4.1
Nalagarh	400	424	13:03	406	19:15	0.0	0.0	9.1	0.0	9.1
Kishenpur	400	413	18:01	397	22:10	0.0	0.0	0.0	0.0	0.0
Wagoor	400	401	04:02	376	06:55	8.2	60.9	0.0	0.0	8.2
Amritsar	400	419	18:00	402	00:09	0.0	0.0	0.0	0.0	0.0
Kashipur	400	418	07:00	407	22:43	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	416	13:01	401	19:22	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	404	07:00	376	23:32	2.6	42.1	0.0	0.0	2.6

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	774	08:05	732	22:47	0.0	7.3	0.0	0.0	0.0
Balia	765	779	08:03	743	23:34	0.0	0.0	0.0	0.0	0.0
Moga	765	793	18:02	756	00:08	0.0	0.0	0.0	0.0	0.0
Agra	765	786	18:33	740	22:47	0.0	0.3	0.0	0.0	0.0
Bhiwani	765	791	18:00	772	14:50	0.0	0.0	0.0	0.0	0.0
Unnao	765	773	08:02	733	22:47	0.0	7.9	0.0	0.0	0.0
Lucknow	765	784	08:03	743	23:34	0.0	0.0	0.0	0.0	0.0
Meerut	765	800	18:14	757	22:47	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	797	08:03	750	22:46	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	763	10:02	762	09:56	0.0	0.0	0.0	0.0	0.0
Anta	765	777	18:00	755	22:13	0.0	0.0	0.0	0.0	0.0
Phagi	765	782	18:11	740	22:33	0.0	2.5	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	478.25	420.92	482.52	519.70	434.27	454.85
Pong	426.72	384.05	395.15	126.34	404.34	328.16	64.42	248.79
Tehri	829.79	740.04	745.00	23.98	766.05	171.00	46.47	140.00
Koteshwar	612.50	598.50	610.75	4.95	610.89	4.95	140.00	148.78
Chamera-I	760.00	748.75	756.71	0.00	0.00	0.00	200.15	205.43
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	496.65	0.69	517.24	3.74	117.42	61.16

* 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	6	63	0	-390	254	0	-1.25	6.26	5.01
Delhi	-81	-96	0	-51	-15	0	-1.55	2.64	1.09
Haryana	516	302	0	369	308	0	7.38	3.17	10.55
HP	-177	-22	0	-25	-496	0	-1.82	-3.71	-5.53
J&K	-119	23	0	-119	196	0	-2.85	1.04	-1.81
CHD	0	20	0	0	0	0	0.00	0.49	0.49
Rajasthan	-56	414	0	-56	352	0	-1.33	9.86	8.53
UP	296	778	0	249	0	0	5.83	5.17	11.00
Uttarakhand	131	254	0	301	345	0	8.64	3.43	12.07
Total	516	1736	0	279	944	0	13.06	28.34	41.41

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	19	-390	347	-94	0	0
Delhi	-26	-81	519	-202	0	0
Haryana	516	106	319	-257	0	0
HP	-25	-177	47	-784	0	0
J&K	-119	-119	196	-114	0	0
CHD	0	0	59	0	0	0
Rajasthan	-56	-56	435	47	0	0
UP	311	166	778	0	0	0
Uttarakhand	553	97	345	21	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	0.69%

(ii)%age of times ATC violated on the inter-regional corridors

WR	0.00%
ER	0.00%
Simultaneous	25.35%

(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 19.04.2016 :
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

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.