

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पारदर्शिता की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 11.06.2016
Date of Reporting : 12.06.2016



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
39325	545	39870	50.08	41450	198	41647	50.03	1011.6	8.42

*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	62.23	8.86		71.08	90.27	91.60	1.33	162.68	0.00
Haryana	31.45	0.58		32.03	99.13	95.40	-3.72	127.44	0.00
Rajasthan	108.77	0.00	31.40	140.18	64.03	63.85	-0.17	204.03	0.00
Delhi	18.61			18.61	81.97	80.42	-1.55	99.03	0.10
UP	152.56	15.79		168.35	144.75	144.99	0.24	313.34	0.00
Uttarakhand		17.16		17.16	20.84	22.32	1.47	39.48	0.26
HP		18.73		18.73	5.97	7.41	1.44	26.14	0.00
J & K		21.87	0.00	21.87	17.14	12.16	-4.98	34.03	8.07
Chandigarh				0.00	5.54	5.46	0.27	5.46	0.00
Total	373.62	83.00	31.40	488.02	529.64	523.61	-5.68	1011.63	8.42

* Shortage furnished by the respective constituent. \$ 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				Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)	
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction			
Punjab	7225	0	106	482	4759	0	598	8336	17:00	0	
Haryana	3263	0	-1877	842	5525	0	46	1093	6542	24:00	0
Rajasthan	6471	0	-54	370	8854	0	241	366	9353	7:00	0
Delhi	4348	19	-65	430	4746	0	18	179	5172	1:00	0
UP	13136	0	327	895	13808	0	382	1199	14883	23:00	0
Uttarakhand	1815	75	68	211	1517	0	55	137	1815	20:00	75
HP	1018	0	-48	-1160	908	0	26	-1303	1248	12:00	0
J&K	1804	451	-53	-497	1122	198	-492	-578	1804	20:00	451
Chandigarh	244	0	7	0	210	0	-20	0	267	23:00	0
Total	39325	545	-1589	1575	41450	198	335	1691	46154	23:00	451

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

Diversity is: 1.07

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	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1835	1601	1682	40.86	1702	40.37		0.49
Rihand I STPS (2*500)	1000	465	422	329	9.07	378	9.11		-0.04
Rihand II STPS (2*500)	1000	963	884	831	18.94	789	18.83		0.11
Rihand III STPS (2*500)	1000	963	980	718	18.79	783	19.18		-0.39
Dadri I STPS (4*210)	840	805	417	408	10.56	440	10.45		0.11
Dadri II STPS (2*490)	980	960	658	661	16.11	671	16.58		-0.47
Unchahar I TPS (2*210)	420	350	283	251	6.37	266	6.72		-0.35
Unchahar II TPS (2*210)	420	400	273	295	6.90	288	7.42		-0.52
Unchahar III TPS (1*210)	210	200	144	133	3.31	138	3.66		-0.35
ISTPP (Jhajjar) (3*500)	1500	1425	926	912	20.87	870	21.24		-0.37
Dadri GPS (4*130.19+2*154.51)	830	785	240	371	6.95	290	7.16		-0.21
Anta GPS (3*88.71+1*153.2)	419	384	192	214	4.60	192	4.88		-0.28
Auraiya GPS (4*111.19+2*109.30)	663	623	147	149	3.23	135	3.24		-0.01
Dadri Solar(5)	5	1	0	0	0.02	1	0.02		0.00
Unchahar Solar(10)	10	2	0	0	0.05	2	0.04		0.01
Singrauli Solar(15)	15	3	0	0	0.07	3	0.07		0.01
KHEP(4*200)	800	872	869	858	15.21	634	14.73		0.48
Sub Total (A)	12112	11037	8036	7812	182	7580	184		-1.79
B. NPC									
NAPS (2*220)	440	192	215	214	4.56	190	4.61		-0.04
RAPS- B (2*220)	440	363	405	409	8.70	363	8.71		-0.01
RAPS- C (2*220)	440	390	430	432	9.26	386	9.36		-0.10
Sub Total (B)	1320	945	1050	1055	22.52	938	22.68		-0.16
C. NHPC									
Chamera I HPS (3*180)	540	540	537	0	6.32	263	6.27		0.06
Chamera II HPS (3*100)	300	300	311	290	7.37	307	7.20		0.17
Chamera III HPS (3*77)	231	219	226	229	5.26	219	5.25		0.00
Bairasuli HPS(3*60)	180	179	184	0	2.24	93	2.18		0.07
Salal-HPS (6*115)	690	672	675	675	16.18	674	16.12		0.06
Tanakpur-HPS (3*31.4)	94	48	53	45	1.18	49	1.15		0.03
Uri-I HPS (4*120)	480	475	478	477	11.59	483	11.40		0.20
Uri-II HPS (4*60)	240	237	241	241	5.78	241	5.69		0.09
Dhauliganga-HPS (4*70)	280	280	280	80	4.36	182	4.25		0.11
Dulhasti-HPS (3*130)	390	387	403	398	9.42	392	9.29		0.13
Sewa-II HPS (3*40)	120	119	85	0	0.91	38	0.90		0.01
Parbati 3 (4*130)	520	390	262	0	2.44	102	2.37		0.07
Sub Total (C)	4065	3847	3735	2435	73	3044	72		0.99
D. SJVNL									
NJPC (6*250)	1500	1605	1620	1625	38.64	1610	38.52		0.12
Rampur HEP (6*68.67)	412	442	448	448	10.75	448	10.61		0.14
Sub Total (D)	1912	2047	2068	2073	49.38	2058	49.13		0.26
E. THDC									
Tehri HPS (4*250)	1000	260	0	253	3.04	126	3.03		0.00
Koteshwar HPS (4*100)	400	88	99	92	2.11	88	2.10		0.01
Sub Total (E)	1400	348	99	345	5.15	215	5.13		0.02
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	1029	1302	788	24.57	1024	24.69		-0.12
Dehar HPS (6*165)	990	609	825	560	14.79	616	14.61		0.18
Pong HPS (6*66)	396	49	138	0	1.17	49	1.18		-0.02
Sub Total (F)	2765	1687	2265	1348	40.52	1689	40.48		0.05
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	203	183	3.43	143	3.65		-0.22
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.14	1089	26.14		-0.01
Malana Stg-II HPS (2*50)	100	0	80	75	1.58	66	1.48		0.10
Shree Cement TPS (2*150)	300	0	286	273	6.18	257	6.25		-0.07
Budhil HPS(IPP) (2*35)	70	0	59	59	1.42	59	1.66		-0.24
Sub Total (G)	1662	0	1727	1690	38.74	1614	39.18		-0.44
H. Total Regional Entities (A-G)	25237	19910	18979	16758	411.29	17137	412.37		-1.08

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	420	320	7.93	330
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	217	200	4.61	192
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	882	594	16.26	677
	Goindwal(GVK) (2*270)	540	0	0	-0.01	-1
	Rajpura (2*700)	1400	920	660	22.99	958
	Talwandi Saboo (3*660)	1980	308	308	10.45	435
	Thermal (Total)	6560	2747	2082	62.23	2593
	Total Hydro	1000	430	176	8.86	369
	Total Punjab	7560	3177	2258	71.08	2962
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	459	471	11.33	472
Faridabad GPS (NTPC)(2*137.75+1*156)		432	159	157	3.85	160
RGTPP (khedar) (IPP) (2*600)		1200	747	749	16.28	678
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4497	1365	1377	31.45	1310
Total Hydro		62	11	30	0.58	24
Total Haryana		4559	1376	1407	32.03	1335
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	788	795	19.41
	suratgarh TPS (6*250)	1500	554	773	16.16	673
	Chabra TPS (4*250)	1000	512	547	13.68	570
	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	183	188	4.57	190
	RAPS A (NPC) (1*100+1*200)	300	140	138	3.41	142
	Barsingar (NLC) (2*125)	250	79	80	1.79	75
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	451	514	14.83	618
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	405	406	10.04	418
	Kawai(Adani) (2*660)	1320	864	997	24.89	1037
	Thermal (Total)	8876	3976	4438	109	4532
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	124	1400	28.65	1194
	Biomass	99	12	12	0.30	12
	Solar	730	0	0	2.45	102
	Renewable/Others (Total)	4043	136	1412	31.40	1308
	Total Rajasthan	13469	4112	5850	140.18	5841
	UP	Anpara TPS (3*210+2*500)	1630	1405	1399	33.55
Obra TPS (2*50+2*94+5*200)		1194	496	559	12.73	531
Paricha TPS (2*110+2*220+2*250)		1160	735	843	18.16	757
Panki TPS (2*105)		210	135	135	3.09	129
Harduaganj TPS (1*60+1*105+2*250)		665	518	534	11.84	493
Tanda TPS (NTPC) (4*110)		440	382	383	8.42	351
Roza TPS (IPP) (4*300)		1200	729	720	19.43	810
Anpara-C (IPP) (2*600)		1200	545	540	12.09	504
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	279	282	6.81	284
Anpara-D(2*500)		1000	142	313	6.33	264
Lalitpur TPS(3*660)		1980	357	354	8.78	366
Bara(2*660)		1320	513	507	11.34	472
Thermal (Total)		12449	6236	6569	153	6357
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.46	436
Alaknanda(4*82.5)		330	171	170	4.55	190
Other Hydro		527	48	2	0.78	33
Cogeneration		981	0	0	0.00	0
Total UP		14727	6890	7176	168	7015
Uttarakhand		Total Hydro	1398	748	642	17.16
	Total Gas	225	0	0	0.00	0
	Total Uttarakhand	1623	748	642	17	715
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	139	140	3.15	131
	Pragati Gas Turbine (2x104+ 1x122)	330	262	265	6.41	267
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	250	6.10	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	333	330	2.98	124
	Thermal (Total)	2917	986	985	18.61	776
	Total Delhi	2917	986	985	18.61	776
HP	Baspa HPS (IPP) (3*100)	300	301	331	7.84	327
	Malana HPS (IPP) (2*43)	86	46	78	1.56	65
	Other Hydro	878	383	403	9.32	388
	Total HP	1264	730	812	18.73	780
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	733	733	17.59	733
	Other Hydro/IPP	560	184	176	4.28	178
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	917	909	21.87	911
Total State Control Area Generation		47619	18936	20039	488.02	20334
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			3506.21	4954.71	127.42	5309
Total Regional Availability(Gross)		72856	41422	41752	1026.74	42781

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	10418	8417	214.47	8936
State Control Area Hydro		7106	3490	3176	83	3458
Total Regional Hydro		19340	13908	11593	297.46	12394

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	
Vindhychal(HVDC B/B)	-250	-250	200	250	0.57	4.23	-3.66
765 KV Gwalior-Agra (D/C)	1932	2403	3181	0	55.51	0.00	55.51
400 KV Zerda-Kankroli	-157	-301	0	443	0.00	6.71	-6.71
400 KV Zerda-Bhinmal	-78	-262	0	392	0.00	5.53	-5.53
220 KV Auraiya-Malanpur	-13	-6	0	73	0.00	0.14	-0.14
220 KV Badod-Kota/Morak	-3	-6	71	43	0.21	0.00	0.21
Mundra-Mohindergarh(HVDC Bipole)	1502	2098	2508	0.00	47.26	0.00	47.26
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	301	523	653	0	9.92	0.00	9.92
Sub Total WR	3234	4199			113.47	16.60	96.86
Pusauli Bypass/HVDC	-200	-200	200	0	4.82	0.00	4.82
400 KV MZP- GKP (D/C)	59	185	457	0	5.48	0.00	5.48
400 KV Patna-Balia(D/C) X 2	285	570	688	0	12.90	0.00	12.90
400 KV B'Sharif-Balia (D/C)	57	3	176	57	0.00	0.41	-0.41
765 KV Gaya-Balia	124	179	186	0	1.86	0.00	1.86
765 KV Gaya-Varanasi (D/C)	11	-46	93	97	0.82	0.00	0.82
220 KV Pusauli-Sahupuri	-196	-209	229	0	4.80	0.00	4.80
132 KV K'nasa-Sahupuri	-26	-26	0	32	0.00	0.53	-0.53
132 KV Son Ngr-Rihand	-32	-30	0	36	0.00	0.69	-0.69
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-344	-326	0	364	0.00	6.36	-6.36
400 KV Barh -GKP (D/C)	406	480	504	0	10.05	0.00	10.05
400 kV B'Sharif - Varanasi (D/C)	128	176	1	194	0.00	2.19	-2.19
Sub Total ER	272	756			40.73	10.17	30.56
+/- 800 KV BiswanathCharialli-Agra	0	0	0	0.00	0.00	0.00	0.00
Sub Total NER	0	0			0.00	0.00	0.00
Total IR Exch	3506	4955			154.20	26.78	127.42

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
33.67	1.27	34.94	6.56	9.48	-0.31	-1.24	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
41.18	99.18	140.36	30.56	96.86	127.42	-10.62	-2.31	-12.94

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	-28	-26	0	32	0	1	-0.65

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	0.12	3.59	39.49	71.97	19.20	5.32	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)		
50.17	8.02	49.79	21.24	50.01	0.035	50.20	49.96	28.03	

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	413	6:04	402	11:37	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	7:03	394	23:49	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	413	20:02	381	23:49	0.0	3.3	0.0	0.0	0.0
Kanpur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Dadri	400	418	20:04	392	14:53	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	422	19:58	399	22:51	0.0	0.0	6.9	0.0	6.9
Bawana	400	419	6:01	395	14:50	0.0	0.0	0.0	0.0	0.0
Bassi	400	424	18:45	388	14:49	0.0	1.3	2.6	0.0	2.6
Hissar	400	417	19:01	395	23:49	0.0	0.0	0.0	0.0	0.0
Moga	400	413	4:00	390	14:54	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	417	4:01	385	12:56	0.0	0.7	0.0	0.0	0.0
Nalagarh	400	421	4:01	396	14:46	0.0	0.0	3.1	0.0	3.1
Kishenpur	400	404	18:00	397	20:47	0.0	0.0	0.0	0.0	0.0
Wagoora	400	404	16:47	383	20:43	0.0	50.6	0.0	0.0	0.0
Amritsar	400	420	4:03	396	14:54	0.0	0.0	0.0	0.0	0.0
Kashipur	400	418	6:00	405	14:50	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	415	5:22	391	14:58	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	426	6:13	390	14:54	0.0	0.0	14.4	0.0	14.4

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	786	7:00	735	12:39	0.0	6.8	0.0	0.0	0.0
Balia	765	783	7:03	738	23:54	0.0	0.8	0.0	0.0	0.0
Moga	765	794	4:01	749	14:53	0.0	0.0	0.0	0.0	0.0
Agra	765	787	5:02	736	14:52	0.0	1.9	0.0	0.0	0.0
Bhiwani	765	794	18:04	759	22:36	0.0	0.0	0.0	0.0	0.0
Unnao	765	770	20:05	733	23:56	0.0	8.7	0.0	0.0	0.0
Lucknow	765	788	7:03	738	23:50	0.0	0.8	0.0	0.0	0.0
Meerut	765	802	6:04	749	14:54	0.0	0.0	0.4	0.0	0.4
Jhatikara	765	782	20:40	756	23:36	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	791	6:03	740	23:49	0.0	1.1	0.0	0.0	0.0
Anta	765	791	18:36	750	14:51	0.0	0.0	0.0	0.0	0.0
Phagi	765	794	18:36	744	14:36	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	479.48	447.73	487.17	644.48	940.34	940.34
Pong	426.72	384.05	389.16	46.80	405.76	361.16	99.82	106.70
Tehri	829.79	740.04	743.50	16.60	744.50	23.98	178.25	115.00
Koteshwar	612.50	598.50	606.66	3.10	608.99	4.10	115.00	139.28
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	243.71	175.11
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	505.66	3.37	521.75	7.47	209.27	156.82

* 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	199	399	0	199	283	0	4.78	11.47	16.25
Delhi	133	47	0	494	-63	0	9.91	-0.62	9.30
Haryana	771	322	0	552	290	0	15.40	7.59	22.99
HP	-822	-481	0	-567	-593	0	-15.65	-11.93	-27.58
J&K	-578	0	0	-571	74	0	-15.41	-0.64	-16.05
CHD	0	0	0	0	0	0	0.35	0.00	0.35
Rajasthan	-7	373	0	-7	377	0	-0.17	7.97	7.80
UP	1199	0	0	895	0	0	23.32	0.00	23.32
Uttarakhand	58	79	0	58	153	0	1.40	2.32	3.71
Total	953	739	0	1054	521	0	23.94	16.16	40.10

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	199	199	785	283	0	0
Delhi	543	133	349	-385	0	0
Haryana	798	552	347	289	0	0
HP	-567	-822	-365	-636	0	0
J&K	-527	-924	99	-252	0	0
CHD	44	0	0	0	0	0
Rajasthan	-7	-7	377	12	0	0
UP	1316	826	0	0	0	0
Uttarakhand	58	58	155	19	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	5.56%
ER	0.00%
Simultaneous	13.89%

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	0.00%
----------------	-------

XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 11.06.2016 :
Normal

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.