

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 10.09.2016
Date of Reporting : 11.09.2016



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
50725	1093	51818	50.14	48848	289	49137	50.02	1160.1	20.35

*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	77.68	19.05		96.73	130.53	131.08	0.55	227.81	0.00
Haryana	43.73	0.90		44.63	141.54	138.66	-2.88	183.29	0.00
Rajasthan	99.49	1.48	37.52	138.48	65.50	65.34	-0.15	203.82	0.00
Delhi	21.37			21.37	78.87	78.43	-0.44	99.80	0.03
UP	154.89	22.71		177.60	151.33	156.44	5.11	334.04	11.21
Uttarakhand		18.92		22.80	17.19	19.10	1.92	41.90	0.00
HP		24.52		24.52	3.42	3.20	-0.22	27.72	0.13
J & K		21.97	0.00	21.97	18.05	13.98	-4.07	35.94	8.99
Chandigarh				0.00	5.79	5.74	-0.04	5.74	0.00
Total	397.15	109.56	37.52	548.10	612.20	611.98	-0.22	1160.08	20.35

* 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	9721	0	65	1708	8780	0	22	1497	9915	18:00	0
Haryana	8635	0	-324	2036	7928	0	2	1867	8921	21:00	0
Rajasthan	8664	0	161	354	8502	0	-73	330	9021	24:00	0
Delhi	4462	0	34	423	4232	0	131	351	4851	1:00	0
UP	14123	630	147	416	15379	0	406	1575	15457	2:00	500
Uttarakhand	1894	0	55	-35	1653	0	90	121	1915	19:00	0
HP	1170	15	39	-1589	998	0	-14	-1125	1312	10:00	0
J&K	1792	448	-192	-562	1156	289	-177	-663	1792	20:00	448
Chandigarh	265	0	-4	-30	220	0	21	0	269	15:00	0
Total	50725	1093	-18	2720	48848	289	408	3954	50873	23:00	825

* 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 :

Station/ Constituent	Inst. Capacity	Declared	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
	(Effective) MW	Capacity(MW)	(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1680	1812	1797	40.36	1682	40.31	0.05
Rihand I STPS (2*500)	1000	943	969	1010	21.54	897	22.49	-0.95
Rihand II STPS (2*500)	1000	953	905	1021	21.43	893	22.06	-0.63
Rihand III STPS (2*500)	1000	953	921	988	21.43	893	22.43	-1.00
Dadri I STPS (4*210)	840	815	754	534	13.76	573	14.10	-0.34
Dadri II STPS (2*490)	980	960	916	680	17.79	741	18.93	-1.14
Unchahar I TPS (2*210)	420	350	320	328	7.01	292	7.86	-0.85
Unchahar II TPS (2*210)	420	400	346	380	7.88	328	8.80	-0.92
Unchahar III TPS (1*210)	210	200	142	168	3.78	157	4.43	-0.65
ISTPP (Jhajjar) (3*500)	1500	1425	902	902	19.55	814	19.71	-0.16
Dadri GPS (4*130.19+2*154.51)	830	787	352	342	7.79	325	8.53	-0.74
Anta GPS (3*88.71+1*153.2)	419	399	246	211	5.12	214	5.20	-0.07
Auraiya GPS (4*111.19+2*109.30)	663	621	0	0	0.00	0	0.00	0.00
Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
Unchahar Solar(10)	10	2	0	0	0.04	2	0.05	-0.01
Singrauli Solar(15)	15	2	0	0	0.05	2	0.04	0.01
KHEP(4*200)	800	855	849	436	12.18	508	12.00	0.18
Sub Total (A)	12112	11346	9434	8797	200	8323	207	-7.22
B. NPC								
NAPS (2*220)	440	187	213	213	4.55	189	4.49	0.06
RAPS- B (2*220)	440	373	417	418	8.98	374	8.95	0.02
RAPS- C (2*220)	440	405	448	449	9.63	401	9.72	-0.09
Sub Total (B)	1320	965	1078	1080	23.15	965	23.16	-0.01
C. NHPC								
Chamera I HPS (3*180)	540	538	0	7.00	292	6.74	6.74	0.26
Chamera II HPS (3*100)	300	301	309	203	5.99	249	5.95	0.04
Chamera III HPS (3*77)	231	167	224	150	4.01	167	4.00	0.01
Bairasuli HPS(3*60)	180	179	183	62	2.04	85	2.01	0.03
Salal-HPS (6*115)	690	636	678	675	16.00	667	15.26	0.74
Tanakpur-HPS (3*31.4)	94	92	96	96	2.29	96	2.20	0.09
Uri-I HPS (4*120)	480	406	450	413	10.24	426	9.76	0.48
Uri-II HPS (4*60)	240	236	241	238	5.72	238	5.66	0.06
Dhauliganga-HPS (4*70)	280	210	209	206	5.01	209	5.04	-0.03
Dulhasti-HPS (3*130)	390	383	395	391	9.22	384	9.18	0.04
Sewa-II HPS (3*40)	120	119	121	41	0.78	32	0.80	-0.02
Parbati 3 (4*130)	520	520	412	0	2.93	122	2.86	0.07
Sub Total (C)	4065	3788	3854	2475	71	2968	69	1.79
D. SJVNL								
NJPC (6*250)	1500	1605	1606	1258	36.81	1534	36.86	-0.05
Rampur HEP (6*68.67)	412	442	444	440	10.29	429	10.19	0.10
Sub Total (D)	1912	2047	2050	1698	47.10	1962	47.05	0.05
E. THDC								
Tehri HPS (4*250)	1000	1071	1066	0	5.11	213	5.00	0.11
Koteshwar HPS (4*100)	400	113	281	0	2.08	87	2.05	0.03
Sub Total (E)	1400	1184	1347	0	7.19	300	7.05	0.14
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	877	1334	774	20.88	870	21.05	-0.17
Dehar HPS (6*165)	990	584	825	570	13.96	582	14.01	-0.05
Pong HPS (6*66)	396	321	330	264	7.72	322	7.70	0.01
Sub Total (F)	2765	1782	2489	1608	42.56	1773	42.76	-0.20
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	173	92	2.71	113	2.79	-0.08
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	720	21.67	903	21.13	0.54
Malana Stg-II HPS (2*50)	100	0	105	75	2.08	87	1.95	0.13
Shree Cement TPS (2*150)	300	0	291	251	6.35	264	6.47	-0.12
Budhil HPS(IPP) (2*35)	70	0	65	45	1.16	48	1.54	-0.39
Sub Total (G)	1662	0	1733	1183	33.96	1415	33.88	0.08
H. Total Regional Entities (A-G)	25237	21111	21987	16841	424.95	17706	430.32	-5.37

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	630	550	12.51	521
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	90	2.02	84
	Guru Hargobind Singh TPS(L.mbi) (2*210+2*250)	920	252	223	5.00	208
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	1320	1320	31.12	1297
	Talwandi Saboo (3*660)	1980	1164	1100	27.05	1127
	Thermal (Total)	6560	3466	3283	77.68	3237
	Total Hydro	1000	779	770	19.05	794
	Total Punjab	7560	4245	4053	96.73	4030
	Haryana	Panipat TPS (2*210+2*250)	920	227	206	4.93
DCRTPP (Yamuna nagar) (2*300)		600	558	556	12.03	501
Faridabad GPS (NTPC)(2*137.75+1*156)		432	346	334	7.84	327
RGTPP (khedar) (IPP) (2*600)		1200	0	0	0.00	0
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	1031	742	18.93	789
Thermal (Total)		4497	2162	1838	43.73	1822
Total Hydro		62	37	36	0.90	38
Total Haryana		4559	2199	1874	44.63	1860
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	760	582	17.36
	suratgarh TPS (6*250)	1500	551	501	12.73	531
	Chabra TPS (4*250)	1000	741	745	18.20	758
	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	107	111	2.70	112
	RAPS A (NPC) (1*100+1*200)	300	202	167	4.13	172
	Barsingsar (NLC) (2*125)	250	226	226	5.35	223
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	631	635	12.76	532
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	0	0	0.00	0
	Kawai(Adani) (2*660)	1320	1075	1126	26.25	1094
	Thermal (Total)	8876	4293	4093	99	4145
	Total Hydro	550	45	117	1.48	61
	Wind power	3214	1082	1613	34.15	1423
	Biomass	99	21	21	0.51	21
	Solar	730	0	0	2.86	119
	Renewable/Others (Total)	4043	1103	1634	37.52	1563
	Total Rajasthan	13469	5441	5844	138.48	5770
	UP	Anpara TPS (3*210+2*500)	1630	1038	923	22.98
Obra TPS (2*50+2*94+5*200)		1194	175	152	4.15	173
Paricha TPS (2*110+2*220+2*250)		1160	907	887	21.14	881
Panki TPS (2*105)		210	149	153	3.37	140
Harduaganj TPS (1*60+1*105+2*250)		665	497	438	10.60	441
Tanda TPS (NTPC) (4*110)		440	366	334	8.26	344
Roza TPS (IPP) (4*300)		1200	1112	1094	26.10	1088
Anpara-C (IPP) (2*600)		1200	923	936	21.99	916
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	405	403	9.59	400
Anpara-D(2*500)		1000	435	322	7.79	324
Lalitpur TPS(3*660)		1980	407	487	10.51	438
Bara(2*660)		1320	261	445	7.22	301
Thermal (Total)		12449	6675	6574	154	6404
Vishnuparyag HPS (IPP)(4*110)		440	0	435	8.44	352
Alaknanda(4*82.5)		330	325	340	8.03	334
Other Hydro		527	259	257	6.25	260
Cogeneration		981	50	50	1.20	50
Total UP	14727	7309	7656	178	7400	
Uttarakhand	Total Hydro	1398	829	754	18.92	788
	Total Gas	225	160	187	3.87	161
	Total Uttarakhand	1623	989	941	23	950
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	71	72	1.81	76
	Pragati Gas Turbine (2x104+ 1x122)	330	268	268	6.50	271
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	251	6.06	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	318	328	7.02	292
	Thermal (Total)	2917	909	919	21.37	890
	Total Delhi	2917	909	919	21.37	890
HP	Baspa HPS (IPP) (3*100)	300	331	301	7.46	311
	Malana HPS (IPP) (2*43)	86	106	106	2.63	110
	Other Hydro	878	606	617	14.43	601
	Total HP	1264	1043	1024	24.52	1022
J & K	Baqilhar HPS (IPP) (3*150+2*150)	750	733	733	17.59	733
	Other Hydro/IPP	560	181	185	4.38	182
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	914	918	21.97	915
Total State Control Area Generation		47619	23049	23229	548.10	22837
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			8258	10064	205.71	8571
Total Regional Availability(Gross)		72856	53293	50134	1178.76	49115
IV. Total Hydro Generation:						
Regional Entities Hydro		12234	11968	7104	206.73	8614
State Control Area Hydro		7106	4391	4838	109.56	4726
Total Regional Hydro		19340	16359	11942	316.29	13340

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)	200	-100	300	350	1.90	2.51	-0.61
765 KV Gwalior-Agra (D/C)	2218	3147	3183	0	62.04	0.00	62.04
400 KV Zerda-Kankroli	-57	-123	0	318	0.00	3.04	-3.04
400 KV Zerda-Bhinmal	-57	-30	16	202	0.00	2.08	-2.08
220 KV Auraiya-Malanpur	-30	-30	0	46	0.00	0.98	-0.98
220 KV Badod-Kota/Morak	52	108	123	0	1.06	0.00	1.06
Mundra-Mohindergarh(HVDC Bipole)	2502	2498	2505	0.00	59.94	0.00	59.94
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	997	1140	1182	0	22.47	0.00	22.47
Sub Total WR	5825	6610			147.41	8.61	138.80
Pusauli Bypass/HVDC	250	250	250	0	6.13	0.00	6.13
400 KV MZP- GKP (D/C)	188	524	550	0	9.49	0.00	9.49
400 KV Patna-Balia(D/C) X 2	463	493	510	0	10.66	0.00	10.66
400 KV B'Sharif-Balia (D/C)	25	168	186	0	2.73	0.00	2.73
765 KV Gaya-Balia	229	380	380	0	3.40	0.00	3.40
765 KV Gaya-Varanasi (D/C)	430	564	619	0	11.72	0.00	11.72
220 KV Pusauli-Sahupuri	0	163	182	0	2.72	0.00	2.72
132 KV K'nasa-Sahupuri	-24	-30	0	30	0.00	0.57	-0.57
132 KV Son Ngr-Rihand	-23	-27	0	30	0.00	0.64	-0.64
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-207	-178	0	223	0.00	3.74	-3.74
400 KV Barh -GKP (D/C)	394	406	422	0	8.18	0.00	8.18
400 kV B'Sharif - Varanasi (D/C)	8	41	108	70	0.76	0.00	0.76
Sub Total ER	1733	2754			55.79	4.96	50.84
+/- 800 KV BiswanathCharialli-Agra	700	700	700	0.00	16.08	0.00	16.08
Sub Total NER	700	700			16.08	0.00	16.08
Total IR Exch	8258	10064			219.28	13.56	205.71

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
43.13	3.75	46.88	34.64	11.29	1.70	21.08	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
83.22	139.21	222.43	66.92	138.80	205.71	-16.30	-0.41	-16.71

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	-29	0	29	0	1	-0.61

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	0.00	0.58	33.07	71.78	23.11	4.66	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)		
50.19	18.01	49.87	14.14	50.02	0.026	0.047	50.18	50.03	28.22

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	411	6:15	403	4:48	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	6:55	399	0:42	0.0	0.0	2.0	0.0	2.0
Bareilly(PG)400kV	400	418	6:57	396	0:41	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	7:01	398	0:47	0.0	0.0	0.0	0.0	0.0
Dadri	400	413	6:54	395	19:14	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	422	6:56	403	11:54	0.0	0.0	1.4	0.0	1.4
Bawana	400	416	6:04	399	22:47	0.0	0.0	0.0	0.0	0.0
Bassi	400	422	18:02	399	0:42	0.0	0.0	0.7	0.0	0.7
Hissar	400	411	6:05	392	11:51	0.0	0.0	0.0	0.0	0.0
Moga	400	414	6:02	398	11:52	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	417	6:07	399	11:57	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	418	6:03	399	12:02	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	412	3:48	400	11:58	0.0	0.0	0.0	0.0	0.0
Wagoora	400	406	3:14	386	19:34	0.0	10.4	0.0	0.0	0.0
Amritsar	400	415	5:03	397	14:42	0.0	0.0	0.0	0.0	0.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	412	5:07	398	10:14	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	411	7:02	386	0:43	0.0	10.0	0.0	0.0	0.0

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	790	7:02	751	0:46	0.0	0.0	0.0	0.0	0.0
Balia	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Moga	765	804	6:03	771	11:57	0.0	0.0	3.3	0.0	3.3
Agra	765	793	18:03	756	0:45	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	796	6:04	766	0:46	0.0	0.0	0.0	0.0	0.0
Unnao	765	771	7:03	737	0:45	0.0	4.4	0.0	0.0	0.0
Lucknow	765	794	7:01	752	0:46	0.0	0.0	0.0	0.0	0.0
Meerut	765	798	5:31	771	0:00	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	796	6:57	762	23:19	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	796	7:02	753	0:46	0.0	0.0	0.0	0.0	0.0
Anta	765	796	0:00	796	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	18:02	760	0:48	0.0	0.0	0.0	0.0	0.0

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	502.86	1219.07	511.41	1620.46	716.19	630.11
Pong	426.72	384.05	417.92	794.52	422.13	990.81	663.89	460.18
Tehri	829.79	740.04	823.30	1076.00	820.40	1013.00	320.66	111.00
Koteswar	612.50	598.50	609.89	4.95	610.74	4.95	111.00	137.09
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	206.87	0.00
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	521.25	7.66	514.74	10.31	197.54	302.44

* 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	902	596	0	765	943	0	22.77	23.28	46.05
Delhi	589	-238	0	634	-211	0	14.92	-3.96	10.96
Haryana	1478	377	13	1693	330	13	40.22	5.64	45.87
HP	-855	-270	0	-551	-1037	0	-15.97	-11.61	-27.58
J&K	-547	-115	0	-547	-15	0	-13.73	-0.68	-14.41
CHD	0	0	0	0	-30	0	0.36	-0.05	0.30
Rajasthan	-230	556	5	-128	477	5	-3.69	12.37	8.67
UP	887	688	0	416	0	0	13.45	4.04	17.50
Uttarakhand	-168	289	0	-168	133	0	-4.03	5.72	1.68
Total	2055	1881	18	2113	589	18	54.30	34.74	89.04

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1086	711	1636	496	0	0
Delhi	659	445	136	-516	0	0
Haryana	2047	1395	404	-240	13	13
HP	-551	-1007	-233	-1086	0	0
J&K	-547	-618	85	-115	0	0
CHD	44	0	10	-30	0	0
Rajasthan	-128	-230	562	102	5	5
UP	1052	355	688	0	0	0
Uttarakhand	-168	-168	388	85	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	2.08%
ER	0.00%
Simultaneous	0.00%

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

WR	33.68%
ER	0.00%
Simultaneous	2.08%

(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 10.09.2016 :

XV. Synchronisation of new generating units :

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

63 MVAR Bus Reactor-1 (400KV) at Aligarh UPPTCL Sub Station first time test charged on 10.09.16/1603hrs.

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.