

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पारशिद की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 14.09.2016
Date of Reporting : 15.09.2016



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
51816	956	52772	50.14	46859	401	47261	50.02	1135.7	16.82

*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 *
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	81.86	17.01		98.87	112.67	112.67	0.00	211.54	0.00
Haryana	45.61	0.94		46.55	135.93	133.23	-2.70	179.77	0.00
Rajasthan	127.28	1.01	5.90	134.19	71.95	74.80	2.85	208.99	7.99
Delhi	21.41			21.41	82.76	83.15	0.39	104.56	0.03
UP	155.26	24.49		179.76	146.04	146.79	0.75	326.55	0.00
Uttarakhand		19.42		23.63	14.10	14.18	0.08	37.81	0.00
HP		22.93		22.93	2.91	4.56	1.65	27.49	0.45
J & K		21.91	0.00	21.91	16.60	11.48	-5.12	33.39	8.36
Chandigarh				0.00	5.95	5.59	-0.35	5.59	0.00
Total	431.43	107.71	5.90	549.24	588.91	586.46	-2.45	1135.70	16.82

* 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	9552	0	-8	1155	7769	0	-135	901	9552	20:00	0
Haryana	8789	0	12	1658	7860	0	2	1858	8789	20:00	0
Rajasthan	9146	266	233	362	8804	139	126	368	9174	1:00	612
Delhi	4661	0	11	296	4247	0	90	387	5029	24:00	0
UP	14492	230	-226	919	14810	55	7	1167	15182	2:00	100
Uttarakhand	1818	0	41	-76	1402	0	-25	-125	1867	19:00	0
HP	1259	0	96	-1475	940	0	26	-1171	1259	20:00	0
J&K	1840	460	-147	-462	829	207	-358	-662	1851	21:00	463
Chandigarh	260	0	-20	-20	198	0	1	0	284	15:00	0
Total	51816	956	-9	2359	46859	401	-265	2724	51816	20:00	956

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

Diversity is: 1.02

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 [DG:(+ve), UG: (-ve)]	
								Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1363	1809	1335	32.46	1352	32.27		0.19
Rihand I STPS (2*500)	1000	943	999	1020	22.04	918	22.19		-0.15
Rihand II STPS (2*500)	1000	953	987	1027	22.55	940	22.49		0.05
Rihand III STPS (2*500)	1000	953	990	984	22.12	922	22.45		-0.33
Dadri I STPS (4*210)	840	815	736	796	15.69	654	16.79		-1.10
Dadri II STPS (2*490)	980	970	961	749	19.18	799	20.57		-1.40
Unchahar I TPS (2*210)	420	355	339	335	7.45	310	8.19		-0.75
Unchahar II TPS (2*210)	420	400	398	379	8.35	348	9.06		-0.71
Unchahar III TPS (1*210)	210	200	189	199	4.11	171	4.51		-0.40
ISTPP (Jhajjar) (3*500)	1500	1425	744	606	13.93	580	14.20		-0.27
Dadri GPS (4*130.19+2*154.51)	830	787	373	340	7.34	306	7.84		-0.51
Anta GPS (3*88.71+1*153.2)	419	398	196	207	5.02	209	5.03		-0.01
Auraiya GPS (4*111.19+2*109.30)	663	623	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	1	0	0	0.03	1	0.03		0.00
Singrauli Solar(15)	15	3	0	0	0.03	1	0.06		-0.03
KHEP(4*200)	800	855	856	397	12.45	519	12.00		0.45
Sub Total (A)	12112	11044	9577	8374	193	8031	198		-4.96
B. NPC									
NAPS (2*220)	440	189	211	217	4.60	192	4.54		0.07
RAPS- B (2*220)	440	374	420	422	9.05	377	8.98		0.07
RAPS- C (2*220)	440	200	219	220	4.63	193	4.80		-0.17
Sub Total (B)	1320	763	850	859	18.28	762	18.31		-0.03
C. NHPC									
Chamera I HPS (3*180)	540	540	546	0	6.91	288	6.60		0.31
Chamera II HPS (3*100)	300	301	309	201	4.89	204	4.82		0.07
Chamera III HPS (3*77)	231	136	226	157	3.09	129	3.07		0.02
Bairasuli HPS(3*60)	180	179	122	0	1.82	76	1.78		0.05
Salal-HPS (6*115)	690	542	676	536	14.10	588	13.01		1.10
Tanakpur-HPS (3*31.4)	94	91	94	95	2.27	95	2.18		0.10
Uri-I HPS (4*120)	480	349	439	363	8.68	362	8.38		0.30
Uri-II HPS (4*60)	240	191	164	240	4.73	197	4.58		0.15
Dhauliganga-HPS (4*70)	280	280	278	206	3.75	156	3.71		0.04
Dulhasti-HPS (3*130)	390	383	397	390	9.25	386	9.18		0.07
Sewa-II HPS (3*40)	120	119	115	0	0.80	33	0.80		0.00
Parbati 3 (4*130)	520	520	411	0	2.41	100	2.41		0.00
Sub Total (C)	4065	3630	3776	2188	63	2613	60		2.22
D. SJVNL									
NJPC (6*250)	1500	1605	1603	1150	31.93	1331	32.19		-0.26
Rampur HEP (6*68.67)	412	442	448	343	9.15	381	8.94		0.21
Sub Total (D)	1912	2047	2051	1493	41.09	1712	41.14		-0.05
E. THDC									
Tehri HPS (4*250)	1000	1071	1070	529	10.37	432	10.00		0.37
Koteshwar HPS (4*100)	400	135	383	95	3.25	135	3.25		0.00
Sub Total (E)	1400	1207	1453	624	13.62	567	13.25		0.37
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	850	1336	666	20.59	858	20.41		0.18
Dehar HPS (6*165)	990	573	825	570	14.04	585	13.76		0.28
Pong HPS (6*66)	396	333	396	264	8.09	337	8.00		0.10
Sub Total (F)	2765	1757	2557	1500	42.72	1780	42.16		0.56
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	170	60	2.29	96	2.30		-0.01
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	600	18.38	766	18.34		0.04
Malana Stg-II HPS (2*50)	100	0	109	60	1.48	62	1.40		0.08
Shree Cement TPS (2*150)	300	0	262	272	5.12	213	6.63		-1.51
Budhil HPS(IPP) (2*35)	70	0	37	45	0.91	38	1.18		-0.27
Sub Total (G)	1662	0	1678	1037	28.18	1174	29.86		-1.68
H. Total Regional Entities (A-G)	25237	20448	21943	16075	399.33	16639	402.92		-3.58

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	870	690	16.36	681
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	220	270	5.03	210
	Guru Hargobind Singh TPS(L.mbi) (2*210+2*250)	920	711	390	11.24	468
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	1320	1320	31.09	1296
	Talwandi Saboo (3*660)	1980	616	616	18.18	757
	Thermal (Total)	6560	3737	3286	81.86	3411
	Total Hydro	1000	680	690	17.01	709
	Total Punjab	7560	4417	3976	98.87	4120
	Haryana	Panipat TPS (2*210+2*250)	920	223	208	4.97
DCRTPP (Yamuna nagar) (2*300)		600	558	557	12.11	504
Faridabad GPS (NTPC)(2*137.75+1*156)		432	310	318	7.39	308
RGTPP (kheldar) (IPP) (2*600)		1200	1116	814	21.14	881
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4497	2207	1897	45.61	1900
Total Hydro		62	41	37	0.94	39
Total Haryana		4559	2248	1934	46.55	1939
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	831	945	21.62
	suratgarh TPS (6*250)	1500	841	988	23.04	960
	Chabra TPS (4*250)	1000	885	757	21.22	884
	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	108	2.69	112
	RAPS A (NPC) (1*100+1*200)	300	167	166	4.15	173
	Barsingsar (NLC) (2*125)	250	227	202	5.29	221
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	823	836	19.89	829
	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	1238	1227	29.38	1224
	Thermal (Total)	8876	5119	5229	127	5304
	Total Hydro	550	48	48	1.01	42
	Wind power	3214	86	348	5.05	210
	Biomass	99	24	24	0.56	24
	Solar	730	1	0	0.28	12
	Renewable/Others (Total)	4043	111	372	5.90	246
	Total Rajasthan	13469	5278	5649	134.19	5591
	UP	Anpara TPS (3*210+2*500)	1630	842	985	21.95
Obra TPS (2*50+2*94+5*200)		1194	192	203	4.84	202
Paricha TPS (2*110+2*220+2*250)		1160	874	880	20.43	851
Panki TPS (2*105)		210	72	77	1.76	73
Harduaganj TPS (1*60+1*105+2*250)		665	432	437	10.47	436
Tanda TPS (NTPC) (4*110)		440	355	368	8.37	349
Roza TPS (IPP) (4*300)		1200	1103	1098	26.53	1105
Anpara-C (IPP) (2*600)		1200	941	918	21.92	913
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	405	405	8.79	366
Anpara-D(2*500)		1000	371	257	7.97	332
Lalitpur TPS(3*660)		1980	406	496	10.51	438
Bara(2*660)		1320	553	553	10.54	439
Thermal (Total)		12449	6546	6677	154	6419
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.47	436
Alaknanda(4*82.5)		330	306	316	7.83	326
Other Hydro		527	289	281	6.19	258
Cogeneration		981	50	50	1.20	50
Total UP	14727	7626	7759	180	7490	
Uttarakhand	Total Hydro	1398	833	774	19.42	809
	Total Gas	225	158	164	4.21	176
	Total Uttarakhand	1623	991	938	24	985
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.08	-3
	Delhi Gas Turbine (6x30 + 3x34)	282	74	75	1.82	76
	Pragati Gas Turbine (2x104+ 1x122)	330	266	269	6.51	271
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	252	6.07	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	330	7.10	296
	Thermal (Total)	2917	922	926	21.41	892
	Total Delhi	2917	922	926	21.41	892
HP	Baspa HPS (IPP) (3*100)	300	328	328	6.99	291
	Malana HPS (IPP) (2*43)	86	106	106	2.63	110
	Other Hydro	878	605	601	13.31	555
	Total HP	1264	1039	1035	22.93	955
J & K	Baqlihar HPS (IPP) (3*150+2*150)	750	733	732	17.54	731
	Other Hydro/IPP	560	181	185	4.38	182
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	914	917	21.91	913
Total State Control Area Generation		47619	23435	23134	549.24	22885
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			8821	9894	219.46	9144
Total Regional Availability(Gross)		72856	54199	49103	1168.03	48668

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	12072	6922	194.73	8114
State Control Area Hydro		7106	4743	4697	107.71	4663
Total Regional Hydro		19340	16815	11619	302.44	12777

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	
Vindhyachal(HVDC B/B)	50	500	500	200	9.12	0.63	8.48
765 KV Gwalior-Agra (D/C)	2477	2706	3133	0	59.29	0.00	59.29
400 KV Zerda-Kankroli	105	60	105	98	0.72	0.00	0.72
400 KV Zerda-Bhinmal	160	98	199	22	2.20	0.00	2.20
220 KV Auraiya-Malanpur	-51	-40	0	76	0.00	1.06	-1.06
220 KV Badod-Kota/Morak	91	40	99	18	0.91	0.00	0.91
Mundra-Mohindergarh(HVDC Bipole)	1800	1602	1805	0.00	41.06	0.00	41.06
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1145	1036	1324	0	26.22	0.00	26.22
Sub Total WR	5777	6002			139.52	1.69	137.82
Pusauli Bypass/HVDC	250	250	250	0	6.08	0.00	6.08
400 KV MZP- GKP (D/C)	196	446	532	0	9.44	0.00	9.44
400 KV Patna-Balia(D/C) X 2	502	578	657	0	14.01	0.00	14.01
400 KV B'Sharif-Balia (D/C)	43	159	173	0	3.12	0.00	3.12
765 KV Gaya-Balia	261	349	370	0	3.78	0.00	3.78
765 KV Gaya-Varanasi (D/C)	631	589	704	0	14.83	0.00	14.83
220 KV Pusauli-Sahupuri	352	502	502	0	8.91	0.00	8.91
132 KV K'nasa-Sahupuri	-26	-32	0	38	0.00	0.51	-0.51
132 KV Son Ngr-Rihand	-40	-27	0	40	0.00	0.77	-0.77
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-187	-137	0	240	0.00	2.86	-2.86
400 KV Barh -GKP (D/C)	352	502	502	0	8.91	0.00	8.91
400 kV B'Sharif - Varanasi (D/C)	10	13	63	64	0.61	0.00	0.61
Sub Total ER	2344	3192			69.70	4.14	65.56
+/- 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	8821	9894			225.29	5.83	219.46

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
49.62	3.73	53.35	29.29	10.26	8.66	0.00	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
91.30	127.39	218.69	81.63	137.82	219.46	-9.67	10.43	0.76

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	-22	-15	0	27	0	0	-0.47

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	2.71	49.84	77.69	16.31	3.36	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	18.01	49.83	11.46	50.00	0.029	0.054	50.18	49.99	22.31

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	406	5:58	399	13:38	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	7:23	397	23:05	0.0	0.0	0.8	0.0	0.8
Bareilly(PG)400kV	400	419	7:03	400	19:07	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	8:02	396	19:07	0.0	0.0	0.0	0.0	0.0
Dadri	400	413	6:02	394	19:08	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	422	7:02	399	11:13	0.0	0.0	2.5	0.0	2.5
Bawana	400	419	7:02	397	19:09	0.0	0.0	0.0	0.0	0.0
Bassi	400	416	6:01	396	11:17	0.0	0.0	0.0	0.0	0.0
Hissar	400	413	6:02	392	19:17	0.0	0.0	0.0	0.0	0.0
Moga	400	536	11:46	100	0:15	96.7	97.2	1.9	1.7	98.6
Abdullapur	400	421	6:02	400	19:09	0.0	0.0	1.9	0.0	1.9
Nalagarh	400	422	5:12	403	19:24	0.0	0.0	8.3	0.0	8.3
Kishenpur	400	416	1:58	400	19:10	0.0	0.0	0.0	0.0	0.0
Wagoora	400	411	1:42	385	19:58	0.0	9.8	0.0	0.0	0.0
Amritsar	400	419	2:01	402	19:12	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	408	13:02	400	14:43	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	411	7:03	392	12:25	0.0	0.0	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	788	7:02	751	11:27	0.0	0.0	0.0	0.0	0.0
Balia	765	789	7:21	753	23:05	0.0	0.0	0.0	0.0	0.0
Moga	765	807	6:01	772	19:14	0.0	0.0	13.5	0.0	13.5
Agra	765	795	7:01	756	11:27	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	6:01	761	19:09	0.0	0.0	0.0	0.0	0.0
Unnao	765	769	8:02	740	0:36	0.0	3.3	0.0	0.0	0.0
Lucknow	765	794	8:02	756	23:09	0.0	0.0	0.0	0.0	0.0
Meerut	765	805	7:02	763	19:13	0.0	0.0	4.9	0.0	4.9
Jhatikara	765	798	7:02	754	19:14	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	796	7:02	764	0:37	0.0	0.0	0.0	0.0	0.0
Anta	765	796	0:00	764	19:06	0.0	0.0	0.0	0.0	0.0
Phagi	765	790	6:01	759	11:19	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	503.13	1232.31	511.31	1605.30	740.99	643.75
Pong	426.72	384.05	417.89	794.52	421.70	975.89	320.49	477.17
Tehri	829.79	740.04	824.65	1100.54	821.35	1023.38	238.95	223.00
Koteshwar	612.50	598.50	608.84	3.98	610.82	5.00	223.00	214.12
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	170.08	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	520.81	6.00	512.97	8.81	203.42	281.99

* 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	901	0	0	714	441	0	22.74	7.54	30.28
Delhi	699	-311	0	490	-194	0	16.26	-5.07	11.18
Haryana	1470	375	13	1312	333	13	34.44	5.24	39.68
HP	-854	-317	0	-550	-925	0	-16.59	-11.45	-28.04
J&K	-547	-115	0	-547	85	0	-13.71	0.93	-12.78
CHD	0	0	0	0	-20	0	0.36	0.07	0.42
Rajasthan	-129	492	5	-129	486	5	-3.08	11.85	8.77
UP	748	419	0	415	504	0	11.50	6.15	17.65
Uttarakhand	-183	58	0	-183	107	0	-4.40	4.18	-0.22
Total	2106	601	18	1523	817	18	47.51	19.44	66.95

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1109	694	744	0	0	0
Delhi	762	430	139	-539	0	0
Haryana	1635	1146	403	-237	14	13
HP	-550	-854	-280	-1026	0	0
J&K	-547	-617	159	-115	0	0
CHD	44	0	30	-20	0	0
Rajasthan	-129	-129	514	463	5	5
UP	770	344	851	0	0	0
Uttarakhand	-183	-183	382	3	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	3.47%
ER	0.00%
Simultaneous	0.00%

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

WR	42.71%
ER	0.00%
Simultaneous	30.90%

(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 14.09.2016 :

XV. Synchronisation of new generating units :

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

ICT-II(500MVA) at Ballabgarh(newly commissioned) put on load at 20.01hr on 14.09.2016.(at present oad 250MW)
220Kv Mainpuri(PG)-Sirsa-Mainpuri(UP) line first time charged with load at 17.34hr on 14.09.16(after LILO at Sirsa of 220Kv Mainpuri(PG)-Manipuri-I(UP))

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.