

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पब्लिश की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 09.07.2016

Date of Reporting : 10.07.2016



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
44527	622	45149	50.08	47234	311	47545	50.03	1094.0	0.41

*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	67.64	15.72		83.35	120.70	115.90	-4.80	199.25	0.00
Haryana	45.02	0.87		45.89	141.15	134.91	-6.23	180.80	0.00
Rajasthan	94.01	0.00	28.68	122.69	62.46	65.04	2.59	187.73	0.00
Delhi	22.33			22.33	88.16	86.24	-1.92	108.56	0.01
UP	144.17	18.71		162.88	150.57	151.20	0.63	314.08	0.00
Uttarakhand		18.36		18.36	21.17	22.50	1.34	40.86	0.35
HP		20.25		20.25	4.01	5.61	1.59	25.86	0.05
J & K		23.65	0.00	23.65	13.53	7.12	-6.41	30.76	0.00
Chandigarh				0.00	6.23	6.10	-0.13	6.10	0.00
Total	373.16	97.55	28.68	499.39	607.97	594.62	-13.35	1094.01	0.41

* 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	7648	0	-364	2417	8860	0	-82	2062	9306	1:00	0
Haryana	7805	0	-266	2068	8204	0	-158	2168	8463	1:00	0
Rajasthan	7159	0	458	35	8116	0	331	74	8345	24:00	0
Delhi	4413	0	-190	720	4591	0	12	441	5193	24:00	0
UP	12908	230	-381	805	14071	155	257	1154	14163	2:00	180
Uttarakhand	1888	30	171	145	1564	0	30	52	1907	21:00	65
HP	1015	5	69	-1435	956	0	21	-1446	1208	13:00	0
J&K	1429	357	-85	-656	624	156	-323	-843	1490	21:00	373
Chandigarh	262	0	-5	0	248	0	-10	0	291	15:00	0
Total	44527	622	-593	4100	47234	311	78	3662	48779	1:00	-366

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

Diversity is: 1.03

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	1832	2031	2062	41.58	1733	41.44		0.14
Rihand I STPS (2*500)	1000	889	949	928	18.63	776	19.00		-0.37
Rihand II STPS (2*500)	1000	954	1024	1022	19.56	815	20.10		-0.55
Rihand III STPS (2*500)	1000	951	905	1000	19.34	806	20.17		-0.83
Dadri I STPS (4*210)	840	805	460	431	10.05	419	10.15		-0.10
Dadri II STPS (2*490)	980	960	719	695	16.47	686	16.94		-0.47
Unchahar I TPS (2*210)	420	340	277	307	6.08	253	6.54		-0.45
Unchahar II TPS (2*210)	420	381	168	346	6.13	255	7.10		-0.98
Unchahar III TPS (1*210)	210	200	139	155	3.18	132	3.57		-0.40
ISTPP (Jhajjar) (3*500)	1500	1425	894	899	20.71	863	20.88		-0.17
Dadri GPS (4*130.19+2*154.51)	830	776	248	274	6.61	275	6.82		-0.21
Anta GPS (3*88.71+1*153.2)	419	398	0	0	0.00	0	0.00		0.00
Auraiya GPS (4*111.19+2*109.30)	663	632	0	0	0.00	0	0.00		0.00
Dadri Solar(5)	5	1	0	0	0.03	1	0.02		0.01
Unchahar Solar(10)	10	2	0	0	0.05	2	0.05		0.00
Singrauli Solar(15)	15	3	0	0	0.07	3	0.07		0.00
KHEP(4*200)	800	855	851	848	20.47	853	20.52		-0.05
Sub Total (A)	12112	11404	8665	8967	189	7873	193		-4.43
B. NPC									
NAPS (2*220)	440	382	426	426	9.22	384	9.17		0.05
RAPS- B (2*220)	440	367	412	413	8.80	367	8.81		-0.01
RAPS- C (2*220)	440	405	434	439	9.44	393	9.72		-0.28
Sub Total (B)	1320	1154	1272	1278	27.45	1144	27.70		-0.24
C. NHPC									
Chamera I HPS (3*180)	540	540	546	543	7.67	319	7.64		0.03
Chamera II HPS (3*100)	300	301	308	303	7.24	302	7.22		0.02
Chamera III HPS (3*77)	231	229	234	236	5.59	233	5.50		0.09
Bairasuli HPS(3*60)	180	180	184	0	1.98	82	1.95		0.03
Salal-HPS (6*115)	690	662	666	668	16.09	671	15.88		0.21
Tanakpur-HPS (3*31.4)	94	90	95	94	2.24	93	2.14		0.10
Uri-I HPS (4*120)	480	447	449	442	10.69	445	10.72		-0.04
Uri-II HPS (4*60)	240	233	237	236	5.67	236	5.59		0.08
Dhauliganga-HPS (4*70)	280	280	287	263	6.68	278	6.72		-0.04
Dulhasti-HPS (3*130)	390	258	272	270	6.32	264	6.19		0.13
Sewa-II HPS (3*40)	120	119	127	0	0.58	24	0.60		-0.02
Parbati 3 (4*130)	520	390	393	0	3.02	126	2.99		0.04
Sub Total (C)	4065	3729	3796	3055	74	3074	73		0.63
D. SJVNL									
NJPC (6*250)	1500	1605	1614	1618	38.41	1600	38.52		-0.11
Rampur HEP (6*68.67)	412	442	444	449	10.74	448	10.61		0.13
Sub Total (D)	1912	2047	2058	2067	49.15	2048	49.13		0.02
E. THDC									
Tehri HPS (4*250)	1000	658	654	350	12.95	539	13.31		-0.37
Koteshwar HPS (4*100)	400	242	392	182	5.77	241	5.80		-0.03
Sub Total (E)	1400	899	1046	532	18.72	780	19.11		-0.39
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	1050	1303	900	25.11	1046	25.21		-0.10
Dehar HPS (6*165)	990	607	660	600	14.62	609	14.57		0.05
Pong HPS (6*66)	396	119	208	52	2.85	119	2.86		-0.01
Sub Total (F)	2765	1777	2171	1552	42.58	1774	42.64		-0.06
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	140	141	3.07	128	3.22		-0.15
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.07	1086	26.08		-0.01
Malana Stg-II HPS (2*50)	100	0	105	85	2.35	98	2.21		0.14
Shree Cement TPS (2*150)	300	0	291	265	6.35	264	6.45		-0.10
Budhil HPS(IPP) (2*35)	70	0	69	69	1.61	67	1.73		-0.12
Sub Total (G)	1662	0	1705	1660	39.45	1644	39.69		-0.24
H. Total Regional Entities (A-G)	25237	21010	20712	19112	440.08	18337	444.79		-4.71

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	520	860	16.21	675
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	304	200	5.57	232
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	197	607	9.45	394
	Goindwal(GVK) (2*270)	540	0	0	-0.04	-2
	Rajpura (2*700)	1400	660	1220	20.61	859
	Talwandi Saboo (3*660)	1980	616	834	15.83	660
	Thermal (Total)	6560	2297	3721	67.64	2818
	Total Hydro	1000	598	705	15.72	655
	Total Punjab	7560	2895	4426	83.35	3473
	Haryana	Panipat TPS (2*210+2*250)	920	547	546	12.90
DCRTPP (Yamuna nagar) (2*300)		600	460	458	11.07	461
Faridabad GPS (NTPC)(2*137.75+1*156)		432	149	149	4.02	168
RGTPP (khedar) (IPP) (2*600)		1200	760	739	17.03	710
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4497	1916	1892	45.02	1876
Total Hydro		62	35	36	0.87	36
Total Haryana		4559	1951	1928	45.89	1912
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	794	826	19.69
	suratgarh TPS (6*250)	1500	944	439	18.13	755
	Chabra TPS (4*250)	1000	351	238	8.29	345
	Dholpur GPS (3*110)	330	105	105	2.18	91
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	166	151	3.90	163
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	0	0	0.00	0
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	496	663	14.75	615
	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	862	1200	27.07	1128
	Thermal (Total)	8876	3718	3622	94	3917
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	655	1211	25.58	1066
	Biomass	99	15	15	0.35	15
	Solar	730	0	0	2.74	114
	Renewable/Others (Total)	4043	670	1226	28.68	1195
	Total Rajasthan	13469	4388	4848	122.69	5112
	UP	Anpara TPS (3*210+2*500)	1630	1363	1301	31.95
Obra TPS (2*50+2*94+5*200)		1194	365	259	7.76	323
Paricha TPS (2*110+2*220+2*250)		1160	604	810	16.54	689
Panki TPS (2*105)		210	68	63	1.56	65
Harduaganj TPS (1*60+1*105+2*250)		665	518	441	11.13	464
Tanda TPS (NTPC) (4*110)		440	380	370	8.51	355
Roza TPS (IPP) (4*300)		1200	1112	1112	22.86	953
Anpara-C (IPP) (2*600)		1200	1026	540	17.66	736
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	264	405	7.53	314
Anpara-D(2*500)		1000	211	196	4.98	207
Lalitpur TPS(3*660)		1980	0	0	0.00	0
Bara(2*660)		1320	547	543	11.29	470
Thermal (Total)		12449	6458	6040	142	5907
Vishnuparyag HPS (IPP)(4*110)		440	0	435	7.51	313
Alaknanda(4*82.5)		330	341	342	8.18	341
Other Hydro		527	69	257	3.02	126
Cogeneration		981	100	100	2.40	100
Total UP		14727	6968	7174	163	6787
Uttarakhand		Total Hydro	1398	749	695	18.36
	Total Gas	225	0	0	0.00	0
	Total Uttarakhand	1623	749	695	18	765
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	105	142	3.18	133
	Pragati Gas Turbine (2x104+ 1x122)	330	262	261	6.12	255
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	254	252	6.06	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	329	317	6.97	290
	Thermal (Total)	2917	950	973	22.33	930
	Total Delhi	2917	950	973	22.33	930
HP	Baspa HPS (IPP) (3*100)	300	330	300	7.81	326
	Malana HPS (IPP) (2*43)	86	90	74	1.87	78
	Other Hydro	878	430	435	10.57	440
	Total HP	1264	850	809	20.25	844
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	733	883	19.37	807
	Other Hydro/IPP	560	184	176	4.28	178
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	917	1059	23.65	985
Total State Control Area Generation		47619	19668	21911	499.39	20808
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7262	7313	176.66	7361
Total Regional Availability(Gross)		72856	47642	48337	1116.13	46506
IV. Total Hydro Generation:						
Regional Entities Hydro		12234	11267	9381	236.18	9841
State Control Area Hydro		7106	3559	4338	98	4065
Total Regional Hydro		19340	14826	13719	333.74	13906

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	0	250	0.00	6.15	-6.15
765 KV Gwalior-Agra (D/C)	2615	2461	2779	0	51.87	0.00	51.87
400 KV Zerda-Kankroli	46	-2	46	265	0.00	2.50	-2.50
400 KV Zerda-Bhinmal	86	33	103	191	0.00	1.36	-1.36
220 KV Auraiya-Malanpur	0	-15	0	54	0.00	0.21	-0.21
220 KV Badod-Kota/Morak	99	180	180	38	2.93	0.00	2.93
Mundra-Mohinderghar(HVDC Bipole)	1200	1998	2505	0.00	45.80	0.00	45.80
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1121	1242	1354	730	24.44	0.00	24.44
Sub Total WR	4917	5647			125.03	10.22	114.81
Pusauli Bypass/HVDC	0	-316	250	408	0.81	5.93	-5.12
400 KV MZP- GKP (D/C)	234	415	556	0	9.63	0.00	9.63
400 KV Patna-Balia(D/C) X 2	599	538	673	0	13.52	0.00	13.52
400 KV B'Sharif-Balia (D/C)	46	55	169	36	1.30	0.00	1.30
765 KV Gaya-Balia	135	120	205	0	1.49	0.00	1.49
765 KV Gaya-Varanasi (D/C)	-219	-388	388	0	8.37	0.00	8.37
220 KV Pusauli-Sahupuri	190	198	219	0	4.55	0.00	4.55
132 KV K'nasa-Sahupuri	-34	-34	0	43	0.00	0.85	-0.85
132 KV Son Ngr-Rihand	-18	-22	0	30	0.00	0.41	-0.41
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	90	-220	222	240	0.00	0.56	-0.56
400 KV Barh -GKP (D/C)	522	520	572	0	11.65	0.00	11.65
400 kV B'Sharif - Varanasi (D/C)	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1545	866			51.32	7.75	43.57
+/- 800 KV BiswanathCharialli-Agra	800	800	800	0.00	18.28	0.00	18.28
Sub Total NER	800	800			18.28	0.00	18.28
Total IR Exch	7262	7313			194.63	17.97	176.66

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
30.59	3.38	33.98	11.49	28.42	23.40	5.41	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
68.87	118.09	186.95	61.86	114.81	176.66	-7.01	-3.28	-10.29

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	-30	-24	0	30	0	1	-0.59

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	1.38	35.04	71.25	21.70	5.57	0.16	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)		
50.21	13.03	49.83	22.10	50.02	0.031	0.052	50.25	50.02	28.75

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	410	17:00	402	22:50	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	6:30	400	22:27	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	417	6:29	396	22:33	0.0	0.0	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	413	6:01	400	11:09	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	422	6:02	401	22:31	0.0	0.0	6.3	0.0	6.3
Bawana	400	416	6:03	401	22:26	0.0	0.0	0.0	0.0	0.0
Bassi	400	422	4:07	401	22:31	0.0	0.0	1.3	0.0	1.3
Hissar	400	414	6:01	399	22:33	0.0	0.0	0.0	0.0	0.0
Moga	400	412	16:59	402	0:00	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	408	5:35	398	11:18	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	416	3:05	408	11:12	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	412	5:18	400	20:22	0.0	0.0	0.0	0.0	0.0
Wagoora	400	415	5:18	392	20:22	0.0	0.0	0.0	0.0	0.0
Amritsar	400	419	7:36	407	0:00	0.0	0.0	0.0	0.0	0.0
Kashipur	400	418	6:21	409	13:36	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	417	7:29	406	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	409	16:59	389	13:37	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	789	6:46	742	19:44	0.0	0.0	0.0	0.0	0.0
Balia	765	793	6:35	753	20:26	0.0	0.0	0.0	0.0	0.0
Moga	765	791	7:39	768	20:24	0.0	0.0	0.0	0.0	0.0
Agra	765	797	7:39	752	20:26	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	796	6:00	767	22:31	0.0	0.0	0.0	0.0	0.0
Unnao	765	779	6:49	739	22:32	0.0	1.4	0.0	0.0	0.0
Lucknow	765	798	6:30	757	22:33	0.0	0.0	0.0	0.0	0.0
Meerut	765	803	6:31	768	20:25	0.0	0.0	4.9	0.0	4.9
Jhatikara	765	770	0:00	770	0:00	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	766	0:00	766	0:00	0.0	0.0	0.0	0.0	0.0
Anta	765	793	4:06	766	20:25	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	4:03	763	20:24	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	481.55	495.33	491.55	788.17	966.93	940.46
Pong	426.72	384.05	394.61	121.45	406.24	379.44	291.10	226.02
Tehri	829.79	740.04	764.15	156.00	756.85	97.00	509.28	416.00
Koteshwar	612.50	598.50	609.27	4.10	611.22	5.20	416.00	380.49
Chamera-I	760.00	748.75	750.90	0.00	0.00	0.00	246.06	210.88
Rihand	268.22	252.98	838.30	96.67	838.00	93.00	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	504.17	6.19	522.82	10.26	313.83	251.67

* 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	1638	424	0	1827	590	0	40.55	15.36	55.91
Delhi	435	6	0	722	-2	0	17.36	0.69	18.06
Haryana	1818	349	0	1727	341	0	39.62	7.98	47.61
HP	-1500	54	0	-1247	-188	0	-31.93	-1.82	-33.75
J&K	-793	-50	0	-641	-15	0	-17.92	-0.64	-18.57
CHD	0	0	0	0	0	0	0.35	0.12	0.48
Rajasthan	-423	496	0	-423	458	0	-10.14	12.02	1.87
UP	1154	0	0	805	0	0	21.23	0.00	21.23
Uttarakhand	-349	401	0	-347	493	0	-8.37	9.17	0.80
Total	1982	1680	0	2423	1677	0	50.76	42.88	93.64

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1827	1388	1014	424	0	0
Delhi	977	435	618	-384	0	0
Haryana	1818	1466	384	49	0	0
HP	-1244	-1502	83	-313	0	0
J&K	-591	-1045	0	-65	0	0
CHD	44	0	25	0	0	0
Rajasthan	-423	-423	686	458	0	0
UP	1175	722	0	0	0	0
Uttarakhand	-347	-351	493	305	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	0.69%
ER	0.00%
Simultaneous	3.13%

(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:

0.00

XIV. Weather Conditions For 09.07.2016 :

XV. Synchronisation of new generating units :

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

765KV Varanasi – Kanpur – 1 charged for first time at 18:45 Hrs. The initial flow was 335 MW from Varanasi to Kanpur along with bus reactor at both ends. 400kV Bay No. 402, 403 at Baghat(PG) first time charged at 1524hrs and 1522hrs respectively on 08.07.2016.

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.