

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पब्लिसिटी की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 12.07.2016

Date of Reporting : 13.07.2016

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
46570	478	47048	50.05	47379	259	47638	50.03	1108.3	10.13

* 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	74.23	13.16		87.39	133.41	133.54	0.13	220.94	0.00
Haryana	50.23	0.90		51.13	138.17	134.31	-3.86	185.44	0.00
Rajasthan	93.23	0.39	18.05	111.66	58.89	61.40	2.51	173.06	0.00
Delhi	21.59			21.59	87.99	86.13	-1.86	107.72	0.14
UP	148.28	18.48		166.76	147.80	149.35	1.55	316.11	2.91
Uttarakhand		19.19		19.19	21.09	21.53	0.44	40.72	0.00
HP		22.08		22.08	2.72	3.06	0.34	25.14	0.21
J & K		22.55	0.00	22.55	14.44	9.86	-4.58	32.41	6.88
Chandigarh				0.00	6.63	6.75	0.12	6.75	0.00
Total	387.57	96.75	18.05	502.36	611.13	605.93	-5.20	1108.29	10.13

* 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	STO/PA transaction	Demand Met	Shortage	UI	STO/PA transaction			
Punjab	9144	0	-154	2018	8585	0	215	2091	9693	18:00	0
Haryana	8198	0	-371	2029	8411	0	-68	2172	8756	22:00	0
Rajasthan	7092	0	-269	-42	7270	0	71	-32	7856	23:00	0
Delhi	4418	3	-108	414	4747	0	94	164	5230	1:00	0
UP	13132	125	-207	924	14778	55	149	1309	14802	1:00	420
Uttarakhand	1858	0	34	241	1604	0	-71	61	1869	21:00	0
HP	1036	0	17	-1413	914	0	-5	-1468	1230	10:00	0
J&K	1401	350	-112	-734	814	204	-221	-1096	1456	21:00	364
Chandigarh	290	0	9	0	256	0	9	0	339	15:00	0
Total	46570	478	-1161	3438	47379	259	173	3202	49120	1:00	643

* STO/A figures are at sellers boundary & P/X figures are at regional boundary. # figures may not be at simultaneous hour.

Diversity is 1.04

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	1868	2049	2043	44.72	1863	44.29		0.43
Rihand I STPS (2*500)	1000	925	853	981	19.69	820	19.81		-0.12
Rihand II STPS (2*500)	1000	943	826	887	19.78	824	20.10		-0.32
Rihand III STPS (2*500)	1000	943	991	933	21.04	877	21.75		-0.71
Dadri I STPS (4*210)	840	805	595	459	10.17	424	10.28		-0.12
Dadri II STPS (2*490)	980	960	941	745	16.09	670	16.65		-0.56
Unchahar I TPS (2*210)	420	350	320	274	6.18	258	6.45		-0.27
Unchahar II TPS (2*210)	420	400	360	386	6.89	287	7.56		-0.67
Unchahar III TPS (1*210)	210	200	186	135	3.37	140	3.71		-0.35
ISTPP (Jhajjar) (3*500)	1500	1222	1159	625	18.81	784	19.24		-0.43
Dadri GPS (4*130.19+2*154.51)	830	781	385	266	6.29	262	6.50		-0.20
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	136	229	4.55	190	4.21		0.34
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	0.03	1	0.05		-0.02
KHEP(4*200)	800	855	853	852	20.61	859	20.52		0.09
Sub Total (A)	12112	11287	9654	8815	198	8261	25.20		-2.91
B. NPC									
NAPS (2*220)	440	385	417	411	9.06	377	9.24		-0.18
RAPS- B (2*220)	440	368	408	417	8.76	365	8.83		-0.07
RAPS- C (2*220)	440	297	217	395	6.23	260	7.13		-0.90
Sub Total (B)	1320	1050	1042	1223	24.05	1002	25.20		-1.16
C. NHPC									
Chamera I HPS (3*180)	540	540	543	179	10.05	419	10.00		0.04
Chamera II HPS (3*100)	300	301	309	304	7.26	303	7.22		0.04
Chamera III HPS (3*77)	231	231	236	235	5.60	234	5.55		0.06
Bairasuli HPS(3*60)	180	180	181	0	2.66	111	2.60		0.06
Salal-HPS (6*115)	690	553	573	573	13.76	573	13.34		0.42
Tanakpur-HPS (3*31.4)	94	88	91	94	2.21	92	2.09		0.12
Uri-I HPS (4*120)	480	372	351	305	9.06	378	8.97		0.09
Uri-II HPS (4*60)	240	229	235	238	5.58	232	5.49		0.08
Dhauliganga-HPS (4*70)	280	76	209	0	1.84	77	1.92		-0.07
Dulhasti-HPS (3*130)	390	294	383	267	6.97	290	6.82		0.15
Sewa-II HPS (3*40)	120	119	128	0	0.50	21	0.50		0.00
Parbati 3 (4*130)	520	390	395	0	4.68	195	4.63		0.05
Sub Total (C)	4065	3373	3633	2194	70	2924	69		1.04
D. SJVNL									
NJPC (6*250)	1500	1605	1617	1610	38.44	1602	38.52		-0.08
Rampur HEP (6*68.67)	412	442	447	444	10.75	448	10.61		0.14
Sub Total (D)	1912	2047	2064	2054	49.19	2049	49.13		0.06
E. THDC									
Tehri HPS (4*250)	1000	696	708	349	11.00	458	10.99		0.01
Koteshwar HPS (4*100)	400	242	292	184	5.02	209	5.00		0.02
Sub Total (E)	1400	938	1000	533	16.01	667	15.99		0.02
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	1089	1303	903	26.11	1088	26.13		-0.03
Dehar HPS (6*165)	990	620	660	640	14.94	622	14.87		0.07
Pong HPS (6*66)	396	97	208	0	2.32	96	2.33		-0.01
Sub Total (F)	2765	1805	2171	1543	43.36	1807	43.33		0.03
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	228	157	4.67	194	4.22		0.45
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.21	1092	26.08		0.13
Malana Stg-II HPS (2*50)	100	0	113	112	2.66	111	2.49		0.17
Shree Cement TPS (2*150)	300	0	292	250	6.29	262	6.42		-0.14
Budhil HPS(IPP) (2*35)	70	0	70	70	1.65	69	1.65		0.00
Sub Total (G)	1662	0	1803	1690	41.48	1728	40.87		0.61
H. Total Regional Entities (A-G)		25237	20500	21367	18051	442.53	18439	444.84	-2.31

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	520	12.47	520	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	270	270	6.19	258	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	203	203	4.76	198	
	Goindwal(GVK) (2*270)	540	0	0	-0.04	-2	
	Rajpura (2*700)	1400	1220	1320	28.67	1195	
	Talwandi Saboo (3*660)	1980	965	616	22.18	924	
	Thermal (Total)	6560	3288	2929	74.23	3093	
	Total Hydro	1000	518	645	13.16	548	
	Total Punjab	7560	3806	3574	87.39	3641	
	Haryana	Panipat TPS (2*210+2*250)	920	807	657	16.73	697
DCRTPP (Yamuna nagar) (2*300)		600	547	470	11.57	482	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	182	193	4.13	172	
RGTPP (khedar) (IPP) (2*600)		1200	920	753	17.81	742	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4497	2456	2073	50.23	2093	
Total Hydro		62	40	34	0.90	38	
Total Haryana		4559	2496	2107	51.13	2131	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	692	664	16.39	683
	suratgarh TPS (6*250)	1500	756	953	18.71	780	
	Chabra TPS (4*250)	1000	538	548	13.04	544	
	Dholpur GPS (3*110)	330	91	91	2.16	90	
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	175	171	4.10	171	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingar (NLC) (2*125)	250	68	0	0.40	17	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	540	462	13.27	553	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	162	0	1.30	54	
	Kawai(Adani) (2*660)	1320	1166	866	23.85	994	
	Thermal (Total)	8876	4188	3755	93	3884	
	Total Hydro	550	32	0	0.39	16	
	Wind power	3214	615	1215	17.84	743	
	Biomass	99	9	9	0.21	9	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	624	1224	18.05	752	
	Total Rajasthan	13469	4844	4979	111.66	4653	
	UP	Anpara TPS (3*210+2*500)	1630	1360	1374	32.95	1373
Obra TPS (2*50+2*94+5*200)		1194	360	382	8.90	371	
Paricha TPS (2*110+2*220+2*250)		1160	412	612	12.27	511	
Panki TPS (2*105)		210	72	72	1.86	77	
Harduaganj TPS (1*60+1*105+2*250)		665	516	538	11.38	474	
Tanda TPS (NTPC) (4*110)		440	275	368	7.42	309	
Roza TPS (IPP) (4*300)		1200	1022	1058	20.50	854	
Anpara-C (IPP) (2*600)		1200	1062	1058	23.11	963	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	283	405	7.15	298	
Anpara-D(2*500)		1000	0	214	3.83	160	
Lalitpur TPS(3*660)		1980	209	422	6.55	273	
Bara(2*660)		1320	537	537	11.16	465	
Thermal (Total)		12449	6108	7040	147	6128	
Vishnuparyag HPS (IPP)(4*110)		440	395	326	8.84	369	
Alaknanda(4*82.5)		330	341	342	8.17	340	
Other Hydro		527	62	47	1.46	61	
Cogeneration		981	50	50	1.20	50	
Total UP		14727	6956	7805	167	6948	
Uttarakhand		Total Hydro	1398	851	764	19.19	800
		Total Gas	225	0	0	0.00	0
	Total Uttarakhand	1623	851	764	19	800	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	75	107	2.28	95	
	Pragati Gas Turbine (2x104+ 1x122)	330	262	264	6.39	266	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	254	253	6.03	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	320	324	6.91	288	
	Thermal (Total)	2917	911	948	21.59	900	
	Total Delhi	2917	911	948	21.59	900	
HP	Baspa HPS (IPP) (3*100)	300	329	329	7.75	323	
	Malana HPS (IPP) (2*43)	86	105	105	2.47	103	
	Other Hydro	878	478	499	11.87	495	
	Total HP	1264	912	933	22.08	920	
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	736	736	17.66	736	
	Other Hydro/IPP	560	200	210	4.89	204	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1500	936	946	22.55	940	
Total State Control Area Generation		47619	21712	22056	502.36	20932	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7072	8770	186.80	7783	
Total Regional Availability(Gross)		72856	50151	48877	1131.70	47154	

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	11161	8545	232.89	9704
State Control Area Hydro		7106	4087	4037	96.75	4031
Total Regional Hydro		19340	15248	12582	329.64	13735

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	-50	0	250	0.00	4.87	-4.87
765 KV Gwalior-Agra (D/C)	2324	2488	1513	0	53.17	0.00	53.17
400 KV Zerda-Kankroli	4	-2	80	139	0.00	0.64	-0.64
400 KV Zerda-Bhinmal	23	-8	153	178	0.00	0.12	-0.12
220 KV Auraiya-Malanpur	32	-44	0	78	0.00	0.87	-0.87
220 KV Badod-Kota/Morak	67	62	168	1	2.81	0.00	2.81
Mundra-Mohinderghar(HVDC Bipole)	1502	1898	2215	0.00	38.85	0.00	38.85
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	825	1188	1244	0	24.55	0.00	24.55
Sub Total WR	4527	5532			119.37	6.49	112.88
Pusauli Bypass/HVDC	250	250	250	0	6.06	0.00	6.06
400 KV MZP- GKP (D/C)	207	427	776	0	10.50	0.00	10.50
400 KV Patna-Balia(D/C) X 2	653	664	1011	0	18.52	0.00	18.52
400 KV B'Sharif-Balia (D/C)	-48	109	186	87	1.81	0.00	1.81
765 KV Gaya-Balia	201	303	340	0	3.16	0.00	3.16
765 KV Gaya-Varanasi (D/C)	406	499	660	0	12.52	0.00	12.52
220 KV Pusauli-Sahupuri	178	193	193	0	4.21	0.00	4.21
132 KV K'nasa-Sahupuri	-24	-32	0	48	0.00	0.81	-0.81
132 KV Son Ngr-Rihand	-36	-26	0	38	0.00	0.61	-0.61
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-227	-162	0	242	0.00	3.14	-3.14
400 KV Barh -GKP (D/C)	500	528	532	0	11.03	0.00	11.03
400 kV B'Sharif - Varanasi (D/C)	0	0	0	0	0.00	0.00	0.00
Sub Total ER	2060	2753			67.80	4.56	63.23
+/- 800 KV BiswanathCharialli-Agra	485	485	485	0.00	10.69	0.00	10.69
Sub Total NER	485	485			10.69	0.00	10.69
Total IR Exch	7072	8770			197.86	11.06	186.80

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
35.03	3.82	38.85	10.75	27.14	14.76	-0.03	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
64.36	121.09	185.45	73.92	112.88	186.80	9.56	-8.21	1.35

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	-32	0	-1	0.60

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	1.99	38.16	71.82	22.43	3.88	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)		
50.18	18.02	49.81	19.39	50.01	0.029	0.052	50.19	50.02	28.18

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	409	8:57	401	22:27	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	8:01	397	22:33	0.0	0.0	1.4	0.0	1.4
Bareilly(PG)400kV	400	419	6:44	396	12:48	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	6:02	397	0:22	0.0	0.0	0.0	0.0	0.0
Dadri	400	414	6:02	397	0:18	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	422	6:03	399	12:17	0.0	0.0	0.5	0.0	0.5
Bawana	400	417	6:02	399	0:16	0.0	0.0	0.0	0.0	0.0
Bassi	400	424	6:02	400	22:18	0.0	0.0	2.4	0.0	2.4
Hissar	400	414	6:02	394	22:19	0.0	0.0	0.0	0.0	0.0
Moga	400	413	6:02	396	14:47	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	410	6:01	394	12:46	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	417	6:02	399	14:48	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	409	5:32	396	13:48	0.0	0.0	0.0	0.0	0.0
Wagoora	400	408	4:12	394	10:03	0.0	0.0	0.0	0.0	0.0
Amritsar	400	418	6:01	159	14:56	0.3	0.3	0.0	0.0	0.3
Kashipur	400	419	6:02	408	12:18	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	416	6:19	402	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	410	6:02	387	12:18	0.0	2.4	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	787	6:05	746	22:36	0.0	0.0	0.0	0.0	0.0
Balia	765	796	6:58	754	22:36	0.0	0.0	0.0	0.0	0.0
Moga	765	794	6:03	760	22:19	0.0	0.0	0.0	0.0	0.0
Agra	765	796	6:05	760	0:17	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	6:02	763	22:10	0.0	0.0	0.0	0.0	0.0
Unnao	765	780	7:58	729	22:38	0.0	16.4	0.0	0.0	0.0
Lucknow	765	800	6:56	756	22:34	0.0	0.0	0.0	0.0	0.0
Meerut	765	804	6:02	764	22:18	0.0	0.0	2.4	0.0	2.4
Jhatikara	765	770	0:00	770	0:00	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	792	6:55	750	0:18	0.0	0.0	0.0	0.0	0.0
Anta	765	798	6:07	769	0:22	0.0	0.0	0.0	0.0	0.0
Phagi	765	800	6:02	765	22:10	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	481.82	503.43	493.69	858.11	1034.58	963.90
Pong	426.72	384.05	395.19	131.24	407.75	425.81	629.57	184.94
Tehrri	829.79	740.04	766.20	173.50	762.95	146.00	682.62	348.00
Koteswar	612.50	598.50	608.89	3.98	609.53	4.34	348.00	330.71
Chamera-I	760.00	748.75	752.48	0.00	0.00	0.00	293.22	275.62
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	503.84	4.85	523.66	10.78	139.76	289.08

* 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	1637	454	0	1701	318	0	40.50	10.43	50.93
Delhi	404	-240	0	786	-372	0	18.29	-8.00	10.29
Haryana	1813	359	0	1673	356	0	40.03	7.64	47.67
HP	-1496	28	0	-1245	-167	0	-31.86	-2.19	-34.05
J&K	-995	-101	0	-719	-15	0	-20.66	-1.22	-21.88
CHD	0	0	0	0	0	0	0.36	0.28	0.63
Rajasthan	-548	516	0	-548	506	0	-10.50	12.26	1.76
UP	1309	0	0	924	0	0	21.25	0.00	21.25
Uttarakhand	-350	412	0	-347	588	0	-8.39	11.11	2.72
Total	1773	1428	0	2224	1213	0	49.03	30.30	79.33

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1888	1437	474	318	0	0
Delhi	963	404	30	-742	0	0
Haryana	1858	1546	388	-95	0	0
HP	-1241	-1497	94	-269	0	0
J&K	-694	-1121	0	-101	0	0
CHD	44	0	39	0	0	0
Rajasthan	-371	-548	519	499	0	0
UP	1312	665	0	0	0	0
Uttarakhand	-347	-352	588	374	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	0.00%
ER	0.00%
Simultaneous	15.63%

(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 12.07.2016 :

XV. Synchronisation of new generating units :

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

1. 765 kV Kanpur GIS - Jhatikara along with 3x110 MVAR line Reactor First time charged at 19:54 hrs on 12.07.2016

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.