

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पॉवरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 14.06.2016
Date of Reporting : 15.06.2016



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
45685	896	46581	50.08	45261	293	45554	50.03	1077.2	9.64

* 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	86.00	12.22		98.22	92.13	92.89	0.75	191.10	0.00
Haryana	39.26	0.48		39.74	110.09	106.94	-3.15	146.68	0.00
Rajasthan	100.05	0.00	43.42	143.47	59.26	60.85	1.59	204.32	0.00
Delhi	22.83			22.83	87.52	85.71	-1.81	108.54	0.07
UP	163.99	15.97		179.96	139.03	139.60	0.58	319.56	1.49
Uttarakhand		17.30		17.30	21.52	22.86	1.35	40.16	0.14
HP		19.05		19.05	5.78	7.46	1.68	26.51	0.00
J & K		20.09	0.00	20.09	17.32	13.74	-3.58	33.83	7.95
Chandigarh				0.00	6.31	6.54	0.27	6.54	0.00
Total	412.12	85.11	43.42	540.66	538.95	536.58	-2.33	1077.24	9.64

* 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	7405	0	-133	486	7530	0	22	593	8630	15:00	0
Haryana	7061	0	-63	884	6224	0	-306	1110	7424	23:00	0
Rajasthan	7938	0	-55	167	8505	0	232	51	9476	24:00	0
Delhi	4650	3	16	644	4630	0	-1	318	5477	24:00	0
UP	13762	400	240	1388	13836	0	259	1496	14561	23:00	230
Uttarakhand	1793	40	48	227	1649	0	39	103	1819	14:00	0
HP	1029	0	-46	-1288	977	0	78	-1371	1235	13:00	0
J&K	1813	453	-39	-584	1662	293	33	-576	1813	20:00	453
Chandigarh	235	0	-37	0	248	0	21	0	346	15:00	0
Total	45685	896	-71	1924	45261	293	377	1724	48967	23:00	583

\$ STOA figures are at sellers boundary & PX 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 [OG:(+ve), UG: (-ve)]	
								Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1900	2053	1980	42.78	1782	42.67		0.11
Rihand I STPS (2*500)	1000	465	490	500	10.78	449	10.45		0.32
Rihand II STPS (2*500)	1000	946	970	728	20.09	837	21.18		-1.09
Rihand III STPS (2*500)	1000	0	0	0	0.00	0	0.01		-0.01
Dadri I STPS (4*210)	840	805	411	280	7.23	301	7.45		-0.22
Dadri II STPS (2*490)	980	960	960	672	16.91	705	17.73		-0.81
Unchahar I TPS (2*210)	420	350	368	268	6.66	278	7.50		-0.84
Unchahar II TPS (2*210)	420	400	412	284	6.68	278	7.94		-1.26
Unchahar III TPS (1*210)	210	200	209	164	3.36	140	3.86		-0.50
ISTPP (Jhajjar) (3*500)	1500	1425	1114	929	22.73	947	23.77		-1.04
Dadri GPS (4*130.19+2*154.51)	830	786	316	282	6.77	282	6.94		-0.18
Anta GPS (3*88.71+1*153.2)	419	375	0	0	0.00	0	0.00		0.00
Auraiya GPS (4*111.19+2*109.30)	663	623	123	135	2.93	122	2.97		-0.05
Dadri Solar(5)	5	1	0	0	0.02	1	0.02		0.00
Unchahar Solar(10)	10	2	0	0	0.05	2	0.05		0.00
Singrauli Solar(15)	15	3	0	0	0.06	3	0.06		0.00
KHEP(4*200)	800	872	868	594	15.94	664	16.00		-0.06
Sub Total (A)	12112	10114	8294	6816	163	6791	169		-5.64
B. NPC									
NAPS (2*220)	440	190	208	221	4.51	188	4.56		-0.05
RAPS- B (2*220)	440	362	410	416	8.82	368	8.69		0.13
RAPS- C (2*220)	440	388	430	435	9.30	388	9.31		-0.01
Sub Total (B)	1320	940	1048	1072	22.64	943	22.56		0.08
C. NHPC									
Chamera I HPS (3*180)	540	540	541	542	11.27	470	11.22		0.05
Chamera II HPS (3*100)	300	300	312	304	7.39	308	7.20		0.19
Chamera III HPS (3*77)	231	227	231	229	5.46	227	5.44		0.02
Bairasuli HPS(3*60)	180	179	185	0	2.33	97	2.27		0.06
Salal-HPS (6*115)	690	662	676	678	16.23	676	15.88		0.35
Tanakpur-HPS (3*31.4)	94	46	57	62	1.18	49	1.09		0.09
Uri-I HPS (4*120)	480	475	478	479	11.57	482	11.40		0.17
Uri-II HPS (4*60)	240	237	240	241	5.74	239	5.69		0.05
Dhauliganga-HPS (4*70)	280	280	280	140	4.34	181	4.26		0.09
Dulhasti-HPS (3*130)	390	387	403	395	9.38	391	9.29		0.09
Sewa-II HPS (3*40)	120	119	118	0	0.74	31	0.70		0.04
Parbati 3 (4*130)	520	390	390	0	2.62	109	2.56		0.06
Sub Total (C)	4065	3842	3913	3069	78	3261	77		1.27
D. SJVNL									
NJPC (6*250)	1500	1605	1642	1618	38.65	1610	38.52		0.13
Rampur HEP (6*68.67)	412	439	447	447	10.70	446	10.54		0.16
Sub Total (D)	1912	2044	2089	2065	49.35	2056	49.06		0.29
E. THDC									
Tehri HPS (4*250)	1000	270	269	261	5.13	214	5.33		-0.20
Koteshwar HPS (4*100)	400	113	280	92	2.75	115	2.70		0.05
Sub Total (E)	1400	383	549	353	7.88	328	8.03		-0.15
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	951	1284	738	22.83	951	22.82		0.02
Dehar HPS (6*165)	990	602	825	580	14.65	610	14.45		0.20
Pong HPS (6*66)	396	52	138	0	1.25	52	1.25		-0.01
Sub Total (F)	2765	1605	2247	1318	38.72	1614	38.52		0.21
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	201	100	3.41	142	3.27		0.15
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.20	1092	26.14		0.06
Malana Stg-II HPS (2*50)	100	0	92	80	1.95	81	1.80		0.15
Shree Cement TPS (2*150)	300	0	293	254	6.35	264	6.42		-0.07
Budhil HPS(IPP) (2*35)	70	0	74	72	1.75	73	1.53		0.21
Sub Total (G)	1662	0	1759	1606	39.66	1652	39.17		0.49
H. Total Regional Entities (A-G)	25237	18928	19900	16300	399.48	16645	402.94		-3.46

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	525	470	11.39	475	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	200	200	4.78	199	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	802	799	19.65	819	
	Goindwal(GVK) (2*270)	540	0	0	-0.06	-2	
	Rajpura (2*700)	1400	1020	1320	31.07	1295	
	Talwandi Saboo (3*660)	1980	585	810	19.17	799	
	Thermal (Total)	6560	3132	3599	86.00	3583	
	Total Hydro	1000	583	470	12.22	509	
	Total Punjab	7560	3715	4069	98.22	4092	
	Haryana	Panipat TPS (2*210+2*250)	920	457	437	10.00	417
DCRTPP (Yamuna nagar) (2*300)		600	550	477	11.73	489	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	347	306	7.62	317	
RGTPP (khedar) (IPP) (2*600)		1200	520	382	9.91	413	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4497	1874	1602	39.26	1636	
Total Hydro		62	17	30	0.48	20	
Total Haryana		4559	1891	1632	39.74	1656	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	974	961	23.58	983
	suratgarh TPS (6*250)	1500	385	383	9.11	380	
	Chabra TPS (4*250)	1000	557	524	13.30	554	
	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	163	1710	4.15	173	
	RAPS A (NPC) (1*100+1*200)	300	135	136	3.38	141	
	Barsingar (NLC) (2*125)	250	79	80	1.80	75	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	436	573	12.92	539	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	412	408	9.78	408	
	Kawai(Adani) (2*660)	1320	867	925	22.01	917	
	Thermal (Total)	8876	4008	5700	100	4169	
	Total Hydro	550	0	0	0.00	0	
	Wind power	3214	1909	1551	40.19	1675	
	Biomass	99	19	19	0.47	19	
	Solar	730	0	0	2.76	115	
	Renewable/Others (Total)	4043	1928	1570	43.42	1809	
	Total Rajasthan	13469	5936	7270	143.47	5978	
	UP	Anpara TPS (3*210+2*500)	1630	1416	1412	33.40	1392
Obra TPS (2*50+2*94+5*200)		1194	443	537	11.60	483	
Paricha TPS (2*110+2*220+2*250)		1160	948	979	21.80	908	
Panki TPS (2*105)		210	68	68	1.70	71	
Harduaganj TPS (1*60+1*105+2*250)		665	540	547	11.60	483	
Tanda TPS (NTPC) (4*110)		440	385	390	8.89	370	
Roza TPS (IPP) (4*300)		1200	1098	943	22.40	933	
Anpara-C (IPP) (2*600)		1200	1065	1080	24.50	1021	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	403	282	7.60	317	
Anpara-D(2*500)		1000	536	455	12.50	521	
Lalitpur TPS(3*660)		1980	0	0	0.00	0	
Bara(2*660)		1320	0	527	8.00	333	
Thermal (Total)		12449	6902	7220	164	6833	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.50	438	
Alaknanda(4*82.5)		330	170	171	4.70	196	
Other Hydro		527	2	15	0.77	32	
Cogeneration		981	0	0	0.00	0	
Total UP		14727	7509	7841	180	7498	
Uttarakhand		Total Hydro	1398	791	774	17.30	721
		Total Gas	225	0	0	0.00	0
	Total Uttarakhand	1623	791	774	17	721	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.08	-3	
	Delhi Gas Turbine (6x30 + 3x34)	282	138	139	3.39	141	
	Pragati Gas Turbine (2x104+ 1x122)	330	261	266	6.39	266	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	253	252	6.09	254	
	Badarpur TPS (NTPC) (3*95+2*210)	705	323	323	7.05	294	
	Thermal (Total)	2917	975	980	22.83	951	
	Total Delhi	2917	975	980	22.83	951	
HP	Baspa HPS (IPP) (3*100)	300	300	330	7.76	323	
	Malana HPS (IPP) (2*43)	86	89	91	1.75	73	
	Other Hydro	878	403	402	9.55	398	
	Total HP	1264	792	823	19.05	794	
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	659	659	15.82	659	
	Other Hydro/IPP	560	184	176	4.28	178	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1500	843	835	20.09	837	
Total State Control Area Generation		47619	22452	24224	540.66	22527	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			6731	7489	154.64	6443	
Total Regional Availability(Gross)		72856	49082	48013	1094.78	45616	

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	11059	8680	221.71	9238
State Control Area Hydro		7106	3633	3553	85	3546
Total Regional Hydro		19340	14692	12233	306.83	12784

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	150	250	150	250	1.43	2.74	-1.32
765 KV Gwalior-Agra (D/C)	2515	2363	2877	0	55.09	0.00	55.09
400 KV Zerda-Kankroli	-195	-187	0	336	0.00	5.71	-5.71
400 KV Zerda-Bhinmal	-196	-180	0	306	0.00	5.13	-5.13
220 KV Auraiya-Malanpur	8	12	0	45	0.04	0.00	0.04
220 KV Badod-Kota/Morak	10	50	92	1	0.93	0.00	0.93
Mundra-Mohinderghar(HVDC Bipole)	2202	1798	2205	0.00	45.15	0.00	45.15
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	418	702	953	418	14.19	0.00	14.19
Sub Total WR	4912	4808			116.83	13.58	103.24
Pusauli Bypass/HVDC	200	400	400	0	5.63	0.00	5.63
400 KV MZP- GKP (D/C)	191	429	620	0	8.37	0.00	8.37
400 KV Patna-Balia(D/C) X 2	582	901	901	0	16.53	0.00	16.53
400 KV B'Sharif-Balia (D/C)	86	95	110	0	2.22	0.00	2.22
765 KV Gaya-Balia	208	215	225	0	2.31	0.00	2.31
765 KV Gaya-Varanasi (D/C)	170	186	201	0	3.46	0.00	3.46
220 KV Pusauli-Sahupuri	189	217	226	0	4.64	0.00	4.64
132 KV K'nasa-Sahupuri	-34	-20	0	34	0.00	0.49	-0.49
132 KV Son Ngr-Rihand	-25	-36	0	46	0.00	0.65	-0.65
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-214	-287	0	304	0.00	4.21	-4.21
400 KV Barh -GKP (D/C)	454	548	548	0	10.68	0.00	10.68
400 kV B'Sharif - Varanasi (D/C)	12	33	77	59	0.00	0.33	-0.33
Sub Total ER	1819	2681			53.84	5.68	48.15
+/- 800 KV BiswanathCharialli-Agra	0	0	500	0.00	3.25	0.00	3.25
Sub Total NER	0	0			3.25	0.00	3.25
Total IR Exch	6731	7489			173.91	19.27	154.64

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
35.09	0.97	36.07	9.24	10.98	0.25	-0.64	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
45.56	108.38	153.94	51.40	103.24	154.64	5.84	-5.14	0.70

V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-28	-24	0	32	0	1	-0.64

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	0.29	5.42	36.68	63.50	24.24	6.96	0.00	0.00

<----- Frequency (Hz) ----->				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
50.17	Time 6.02	49.76	Time 19.40	50.02	0.043	0.064	50.20	49.94	36.50

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	413	7:25	405	16:29	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	6:33	398	22:06	0.0	0.0	1.4	0.0	1.4
Bareilly(PG)400kV	400	418	6:06	392	14:41	0.0	0.0	0.0	0.0	0.0
Kanpur	400	415	18:01	397	22:12	0.0	0.0	0.0	0.0	0.0
Dadri	400	417	6:01	394	14:51	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	425	6:01	396	14:51	0.0	0.0	17.8	0.0	17.8
Bawana	400	414	8:57	396	14:55	0.0	0.0	0.0	0.0	0.0
Bassi	400	416	5:02	387	22:11	0.0	0.7	0.0	0.0	0.0
Hissar	400	418	6:02	395	22:10	0.0	0.0	0.0	0.0	0.0
Moga	400	410	6:03	393	14:44	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	415	6:04	396	15:22	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	416	4:06	396	15:08	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	408	7:04	394	14:51	0.0	0.0	0.0	0.0	0.0
Wagoora	400	405	6:05	380	20:42	0.0	17.4	0.0	0.0	0.0
Amritsar	400	414	6:02	398	14:20	0.0	0.0	0.0	0.0	0.0
Kashipur	400	419	6:05	405	14:41	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	405	0:00	391	14:55	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	420	6:04	388	14:51	0.0	0.7	0.0	0.0	0.0

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	792	6:13	746	22:08	0.0	0.0	0.0	0.0	0.0
Balia	765	794	6:19	756	22:10	0.0	0.0	0.0	0.0	0.0
Moga	765	792	6:06	754	14:52	0.0	0.0	0.0	0.0	0.0
Agra	765	786	6:02	738	22:12	0.0	0.7	0.0	0.0	0.0
Bhiwani	765	797	6:02	758	14:26	0.0	0.0	0.0	0.0	0.0
Unnao	765	780	8:05	741	15:26	0.0	0.0	0.0	0.0	0.0
Lucknow	765	792	6:28	758	1:01	0.0	0.0	0.0	0.0	0.0
Meerut	765	801	6:06	755	15:22	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	790	6:02	746	22:10	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	795	6:06	752	14:40	0.0	0.0	0.0	0.0	0.0
Anta	765	782	5:01	751	22:10	0.0	0.0	0.0	0.0	0.0
Phagi	765	782	5:04	742	22:11	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	479.42	447.73	487.21	644.48	785.91	853.50
Pong	426.72	384.05	389.16	46.80	405.87	370.28	109.59	114.17
Tehri	829.79	740.04	743.95	19.00	743.10	14.30	248.23	194.00
Koteshwar	612.50	598.50	607.59	3.76	609.15	4.21	194.00	181.78
Chamera-I	760.00	748.75	753.24	0.00	0.00	0.00	261.15	309.53
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	505.67	6.12	521.96	6.38	170.96	178.41

* 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	200	393	0	200	286	0	5.59	8.88	14.47
Delhi	233	85	0	619	25	0	13.83	4.79	18.62
Haryana	773	336	0	554	329	0	15.57	8.36	23.93
HP	-819	-552	0	-565	-722	0	-15.60	-13.94	-29.54
J&K	-576	0	0	-569	-15	0	-15.88	-1.32	-17.20
CHD	0	0	0	0	0	0	0.36	0.05	0.41
Rajasthan	-7	58	0	-7	174	0	-0.17	6.95	6.78
UP	1203	294	0	898	489	0	23.24	1.76	25.00
Uttarakhand	54	49	0	54	173	0	1.30	2.68	3.98
Total	1060	663	0	1184	739	0	28.24	18.21	46.45

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	399	200	596	286	0	0
Delhi	757	233	568	-188	0	0
Haryana	801	554	381	329	0	0
HP	-565	-819	-422	-789	0	0
J&K	-526	-896	0	-252	0	0
CHD	44	0	25	0	0	0
Rajasthan	-7	-7	454	-154	0	0
UP	1434	828	489	0	0	0
Uttarakhand	54	54	178	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	1.04%

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

WR	4.86%
ER	0.00%
Simultaneous	29.86%

(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 14.06.2016 :

01)Thunderstorm and rain occurred in some part of UP,HARIYANA and DELHI.

XV. Synchronisation of new generating units :

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

01)400KV Roorkee - Saharanpur-II first time charged and synchronised on 14.06.2016 at 1554 hrs.

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.