

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पारदर्शिता की पूर्ण स्वाभिमूर्ति प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 10.06.2016
Date of Reporting : 11.06.2016



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
42757	764	43521	50.08	46899	292	47190	50.03	1061.8	11.17

* 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	68.50	8.16		76.66	92.28	90.48	-1.79	167.14	0.00
Haryana	36.57	0.56		37.13	109.36	104.56	-4.81	141.68	0.00
Rajasthan	118.74	0.00	29.57	148.31	64.85	65.44	0.58	213.75	0.00
Delhi	23.22			23.22	93.18	90.78	-2.39	114.00	0.69
UP	164.35	15.12		179.47	141.69	141.93	0.25	321.40	2.23
Uttarakhand		16.70		16.70	22.01	22.26	0.25	38.96	0.35
HP		18.26		18.26	6.29	7.28	0.99	25.54	0.03
J & K		21.87	0.00	21.87	16.66	11.70	-4.97	33.57	7.87
Chandigarh				0.00	5.94	5.72	0.27	5.72	0.00
Total	411.38	80.67	29.57	521.61	552.26	540.16	-11.62	1061.77	11.17

* 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	6663	0	-202	580	6938	0	-87	593	7574	16:00	0
Haryana	6069	0	-431	854	6546	0	-233	1084	7015	1:00	0
Rajasthan	8013	0	-104	363	9178	0	19	358	9562	1:00	0
Delhi	4515	0	38	335	4938	0	31	247	5989	16:00	0
UP	12668	235	328	873	15019	0	381	1003	15019	3:00	0
Uttarakhand	1771	75	23	302	1529	0	22	149	1821	21:00	75
HP	988	0	-90	-1147	897	0	15	-1253	1214	15:00	0
J&K	1816	454	-108	-514	1653	292	-19	-620	1898	21:00	475
Chandigarh	255	0	-21	0	201	0	-5	0	312	15:00	0
Total	42757	764	-568	1646	46899	292	125	1561	47805	1:00	233

\$ 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	1819	1647	1995	41.43	1726	41.23	0.21
Rihand I STPS (2*500)	1000	465	370	445	9.78	408	9.68	0.10
Rihand II STPS (2*500)	1000	947	687	518	20.02	834	20.05	-0.03
Rihand III STPS (2*500)	1000	947	656	1011	19.32	805	19.98	-0.66
Dadri I STPS (4*210)	840	805	542	728	14.09	587	14.60	-0.51
Dadri II STPS (2*490)	980	920	353	692	15.20	633	16.09	-0.89
Unchahar I TPS (2*210)	420	350	241	337	6.66	277	7.01	-0.35
Unchahar II TPS (2*210)	420	400	301	362	7.60	317	7.94	-0.34
Unchahar III TPS (1*210)	210	200	138	179	3.59	150	3.90	-0.31
ISTPP (Jhajjar) (3*500)	1500	1425	1043	1084	22.48	937	23.62	-1.14
Dadri GPS (4*130.19+2*154.51)	830	780	288	397	7.11	296	7.33	-0.23
Anta GPS (3*88.71+1*153.2)	419	383	177	183	4.68	195	4.69	-0.01
Auraiya GPS (4*111.19+2*109.30)	663	623	132	142	3.18	133	3.23	-0.04
Dadri Solar(5)	5	1	0	0	0.00	0	0.02	-0.02
Unchahar Solar(10)	10	2	0	0	0.00	0	0.04	-0.04
Singrauli Solar(15)	15	3	0	0	0.00	0	0.06	-0.06
KHEP(4*200)	800	872	853	856	12.05	502	12.00	0.05
Sub Total (A)	12112	10941	7428	8929	187	7800	191	-4.27
B. NPC								
NAPS (2*220)	440	190	212	218	4.53	189	4.56	-0.03
RAPS- B (2*220)	440	364	402	408	8.68	362	8.74	-0.05
RAPS- C (2*220)	440	415	430	435	9.24	385	9.96	-0.72
Sub Total (B)	1320	969	1044	1061	22.45	936	23.26	-0.80
C. NHPC								
Chamera I HPS (3*180)	540	540	538	0	8.57	357	8.50	0.07
Chamera II HPS (3*100)	300	300	308	311	7.39	308	7.20	0.19
Chamera III HPS (3*77)	231	225	224	228	5.38	224	5.39	-0.01
Bairasuli HPS(3*60)	180	179	183	62	2.27	94	2.20	0.07
Salal-HPS (6*115)	690	672	674	675	16.19	675	16.12	0.06
Tanakpur-HPS (3*31.4)	94	44	54	42	1.05	44	1.04	0.01
Uri-I HPS (4*120)	480	475	477	475	11.53	480	11.40	0.13
Uri-II HPS (4*60)	240	237	241	241	5.75	240	5.69	0.06
Dhauliganga-HPS (4*70)	280	280	266	144	4.07	169	3.90	0.17
Dulhasti-HPS (3*130)	390	387	405	399	9.44	393	9.29	0.15
Sewa-II HPS (3*40)	120	119	73	0	1.30	54	1.20	0.10
Parbati 3 (4*130)	520	260	263	0	2.14	89	2.04	0.09
Sub Total (C)	4065	3718	3706	2577	75	3127	74	1.09
D. SJVNL								
NJPC (6*250)	1500	1605	1601	1604	38.60	1608	38.52	0.08
Rampur HEP (6*68.67)	412	442	418	448	10.75	448	10.61	0.14
Sub Total (D)	1912	2047	2019	2052	49.35	2056	49.13	0.22
E. THDC								
Tehri HPS (4*250)	1000	264	249	259	5.62	234	5.75	-0.13
Koteshwar HPS (4*100)	400	113	272	92	2.71	113	2.70	0.01
Sub Total (E)	1400	377	521	351	8.33	347	8.45	-0.12
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	986	1289	786	23.57	982	23.66	-0.10
Dehar HPS (6*165)	990	609	825	560	14.67	611	14.62	0.05
Pong HPS (6*66)	396	21	46	0	0.48	20	0.49	-0.01
Sub Total (F)	2765	1616	2160	1346	38.71	1613	38.78	-0.06
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	176	167	3.13	130	2.78	0.34
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	25.89	1079	24.47	1.42
Malana Stg-II HPS (2*50)	100	0	80	80	1.76	73	1.65	0.11
Shree Cement TPS (2*150)	300	0	234	142	4.10	171	4.26	-0.16
Budhil HPS(IPP) (2*35)	70	0	60	60	1.38	57	1.66	-0.28
Sub Total (G)	1662	0	1650	1549	36.26	1511	34.83	1.43
H. Total Regional Entities (A-G)	25237	19668	18528	17866	417.35	17390	419.87	-2.51

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	320	320	7.82	326	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	200	200	4.62	192	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	824	852	19.19	799	
	Goindwal(GVK) (2*270)	540	0	0	-0.04	-2	
	Rajpura (2*700)	1400	660	1320	26.72	1113	
	Talwandi Saboo (3*660)	1980	520	430	10.20	425	
	Thermal (Total)	6560	2524	3122	68.50	2854	
	Total Hydro	1000	348	347	8.16	340	
	Total Punjab	7560	2872	3469	76.66	3194	
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	546	545	11.91	496	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	181	191	4.16	173	
RGTPP (khedar) (IPP) (2*600)		1200	733	1067	20.50	854	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4497	1460	1803	36.57	1524	
Total Hydro		62	11	17	0.56	23	
Total Haryana		4559	1471	1820	37.13	1547	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	794	832	19.77	824
	suratgarh TPS (6*250)	1500	956	1129	22.73	947	
	Chabra TPS (4*250)	1000	554	592	14.27	595	
	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	186	153	4.47	186	
	RAPS A (NPC) (1*100+1*200)	300	139	139	3.44	143	
	Barsingar (NLC) (2*125)	250	80	80	1.80	75	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	450	843	15.01	625	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	403	553	11.16	465	
	Kawai(Adani) (2*660)	1320	903	1204	26.10	1087	
	Thermal (Total)	8876	4465	5525	119	4948	
	Total Hydro	550	0	0	0.00	0	
	Wind power	3214	1116	689	29.27	1220	
	Biomass	99	13	13	0.30	13	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	1129	702	29.57	1232	
	Total Rajasthan	13469	5594	6227	148.31	6180	
	UP	Anpara TPS (3*210+2*500)	1630	1365	1399	33.07	1378
Obra TPS (2*50+2*94+5*200)		1194	577	543	13.33	555	
Paricha TPS (2*110+2*220+2*250)		1160	723	964	21.35	890	
Panki TPS (2*105)		210	135	135	3.18	132	
Harduaganj TPS (1*60+1*105+2*250)		665	400	540	12.03	501	
Tanda TPS (NTPC) (4*110)		440	276	393	8.97	374	
Roza TPS (IPP) (4*300)		1200	738	1112	22.92	955	
Anpara-C (IPP) (2*600)		1200	531	540	12.71	530	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	283	405	8.04	335	
Anpara-D(2*500)		1000	291	324	7.56	315	
Lalitpur TPS(3*660)		1980	352	486	9.14	381	
Bara(2*660)		1320	372	534	12.06	503	
Thermal (Total)		12449	6043	7375	164	6848	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.46	436	
Alaknanda(4*82.5)		330	170	170	4.01	167	
Other Hydro		527	48	5	0.65	27	
Cogeneration		981	0	0	0.00	0	
Total UP		14727	6696	7985	179	7478	
Uttarakhand		Total Hydro	1398	724	666	16.70	696
		Total Gas	225	0	0	0.00	0
	Total Uttarakhand	1623	724	666	17	696	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	139	171	3.78	158	
	Pragati Gas Turbine (2x104+ 1x122)	330	309	262	6.36	265	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	255	253	6.09	254	
	Badarpur TPS (NTPC) (3*95+2*210)	705	312	315	6.99	291	
	Thermal (Total)	2917	1015	1001	23.22	968	
	Total Delhi	2917	1015	1001	23.22	968	
HP	Baspa HPS (IPP) (3*100)	300	301	331	7.75	323	
	Malana HPS (IPP) (2*43)	86	28	82	1.42	59	
	Other Hydro	878	371	384	9.09	379	
	Total HP	1264	700	797	18.26	761	
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	733	733	17.59	733	
	Other Hydro/IPP	560	184	176	4.28	178	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1500	917	909	21.87	911	
Total State Control Area Generation		47619	19989	22874	521.61	21734	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			3986	5641	135.41	5642	
Total Regional Availability(Gross)		72856	42503	46381	1074.38	44766	

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	10616	8530	214.28	8928
State Control Area Hydro		7106	3353	3346	81	3361
Total Regional Hydro		19340	13969	11876	294.94	12289

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	250	250	1.83	3.31	-1.48
765 KV Gwalior-Agra (D/C)	1751	2636	3466	0	52.82	0.00	52.82
400 KV Zerda-Kankroli	-288	-206	0	388	0.00	6.22	-6.22
400 KV Zerda-Bhinmal	-266	-178	0	359	0.00	5.12	-5.12
220 KV Auraiya-Malanpur	-57	2	0	60	0.00	0.19	-0.19
220 KV Badod-Kota/Morak	-37	36	63	37	0.26	0.00	0.26
Mundra-Mohinderghar(HVDC Bipole)	2097	2102	2627	0.00	52.33	0.00	52.33
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	283	501	648	0	11.01	0.00	11.01
Sub Total WR	3733	4643			118.25	14.85	103.40
Pusauli Bypass/HVDC	-200	-200	200	0	4.77	0.00	4.77
400 KV MZP- GKP (D/C)	77	226	336	26	5.03	0.00	5.03
400 KV Patna-Balia(D/C) X 2	430	654	834	0	13.93	0.00	13.93
400 KV B'Sharif-Balia (D/C)	-58	83	165	127	1.41	0.00	1.41
765 KV Gaya-Balia	72	218	221	0	1.96	0.00	1.96
765 KV Gaya-Varanasi (D/C)	108	-68	-94	211	0.54	0.00	0.54
220 KV Pusauli-Sahupuri	-227	-218	227	0	4.73	0.00	4.73
132 KV K'nasa-Sahupuri	-32	-26	0	36	0.00	0.90	-0.90
132 KV Son Ngr-Rihand	-32	-30	0	38	0.00	0.65	-0.65
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-409	-285	0	409	0.00	6.04	-6.04
400 KV Barh -GKP (D/C)	416	462	520	0	9.78	0.00	9.78
400 kV B'Sharif - Varanasi (D/C)	108	182	-5	277	0.00	2.55	-2.55
Sub Total ER	253	998			42.14	10.13	32.01
+/- 800 KV BiswanathCharialli-Agra	0	0	0	0.00	0.00	0.00	0.00
Sub Total NER	0	0			0.00	0.00	0.00
Total IR Exch	3986	5641			160.39	24.98	135.41

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
41.24	1.27	42.50	6.56	10.39	2.27	-1.03	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
51.33	102.85	154.18	32.01	103.40	135.41	-19.32	0.55	-18.77

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	-25	0	31	0	1	-0.65

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	0.28	3.61	38.19	75.49	14.03	6.60	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)		
50.25	17.10	49.75	12.22	50.01	0.037	0.060	50.27	49.93	24.51

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	412	17:18	402	0:23	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	6:19	397	19:45	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	6:03	377	15:36	0.1	0.2	0.0	0.0	0.1
Kanpur	400	415	6:02	394	11:24	0.0	0.0	0.0	0.0	0.0
Dadri	400	415	17:01	392	14:26	31.4	31.4	0.0	0.0	31.4
Ballabgarh	400	428	17:08	392	11:24	0.0	0.0	3.8	0.0	3.8
Bawana	400	417	6:02	394	11:50	0.0	0.0	0.0	0.0	0.0
Bassi	400	419	17:04	390	10:49	0.0	0.0	0.0	0.0	0.0
Hissar	400	417	17:01	393	11:49	0.0	0.0	0.0	0.0	0.0
Moga	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	417	6:01	396	23:01	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	418	6:02	396	14:52	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	408	17:06	391	11:30	0.0	0.0	0.0	0.0	0.0
Wagoora	400	406	17:01	385	3:03	0.0	14.3	0.0	0.0	0.0
Amritsar	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Kashipur	400	417	6:07	405	11:13	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	411	21:57	391	12:18	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	425	6:04	386	11:10	0.0	2.0	1.5	0.0	1.5

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	6:02	747	11:50	0.0	0.0	0.0	0.0	0.0
Balia	765	779	6:03	743	11:50	0.0	0.0	0.0	0.0	0.0
Moga	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Agra	765	787	6:02	740	11:49	0.0	0.6	0.0	0.0	0.0
Bhiwani	765	806	17:06	753	11:51	0.0	0.0	1.5	0.0	1.5
Unnao	765	763	6:02	727	15:31	0.0	51.8	0.0	0.0	0.0
Lucknow	765	785	6:03	744	11:49	0.0	0.0	0.0	0.0	0.0
Meerut	765	805	17:09	749	11:48	0.0	0.0	1.4	0.0	1.4
Jhatikara	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	789	6:02	744	11:09	0.0	0.0	0.0	0.0	0.0
Anta	765	784	18:16	751	14:55	0.0	0.0	0.0	0.0	0.0
Phagi	765	790	17:16	740	15:01	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	479.48	447.73	487.04	644.48	916.67	899.03
Pong	426.72	384.05	389.17	46.80	405.75	361.16	113.32	44.57
Tehri	829.79	740.04	743.05	14.40	745.20	25.00	173.06	215.00
Koteshwar	612.50	598.50	607.86	3.54	608.40	3.76	215.00	178.50
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	247.41	235.97
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	505.63	3.45	521.71	5.09	247.24	135.98

* 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	199	394	0	199	380	0	4.78	11.18	15.96
Delhi	308	-62	0	518	-183	0	11.77	-0.56	11.22
Haryana	771	314	0	552	301	0	15.52	7.61	23.13
HP	-822	-431	0	-567	-580	0	-15.65	-12.14	-27.79
J&K	-553	-67	0	-571	57	0	-14.82	-2.61	-17.43
CHD	0	0	0	0	0	0	0.35	0.00	0.35
Rajasthan	-7	365	0	-7	370	0	-0.17	8.32	8.15
UP	1003	0	0	873	0	0	21.37	0.00	21.37
Uttarakhand	58	91	0	58	244	0	1.40	3.39	4.78
Total	958	604	0	1056	590	0	24.55	15.19	39.74

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	199	199	779	281	0	0
Delhi	681	284	402	-406	0	0
Haryana	798	552	345	299	0	0
HP	-567	-822	-377	-631	0	0
J&K	-527	-742	82	-269	0	0
CHD	44	0	0	0	0	0
Rajasthan	-7	-7	373	42	0	0
UP	1003	826	0	0	0	0
Uttarakhand	58	58	245	59	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	2.43%
ER	0.00%
Simultaneous	2.78%

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

WR	9.72%
ER	0.00%
Simultaneous	17.01%

(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 10.06.2016 :
Normal

XV. Synchronisation of new generating units :

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

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.