

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 01.06.2016
Date of Reporting : 02.06.2016



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
42517	1142	43659	50.08	38808	3649	42457	50.03	979.2	46.32

* 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	69.31	11.22		80.53	74.94	74.27	-0.67	154.80	0.00
Haryana	21.29	0.45		21.74	112.86	107.97	-4.89	129.70	0.00
Rajasthan	119.42	0.00	29.96	149.39	57.47	56.46	-1.02	205.84	0.00
Delhi	18.10			18.10	86.41	85.32	-1.09	103.42	0.04
UP	108.76	17.30		126.06	145.85	150.93	5.08	276.99	36.86
Uttarakhand		14.29		14.29	23.32	25.01	1.69	39.30	0.76
HP		17.31		17.31	8.46	9.19	0.73	26.51	0.00
J & K		21.14	0.00	21.14	16.38	15.50	-0.88	36.64	8.67
Chandigarh				0.00	5.73	6.03	0.27	6.03	0.00
Total	336.88	81.70	29.96	448.54	531.42	530.69	-0.77	979.23	46.32

* 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				UI (OD: +ve), UD: (-ve)	
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)
Punjab	6528	0	-127	281	5488	0	307	307	6835 22:00	0
Haryana	6366	0	-347	801	5408	0	-109	1018	6842 21:00	0
Rajasthan	7909	0	-277	206	8634	0	91	-86	9747 24:00	0
Delhi	4543	0	-110	409	4009	0	39	172	5209 17:00	0
UP	12317	625	151	977	11190	3410	524	1437	12624 23:00	1790
Uttarakhand	1819	75	118	280	1564	0	84	236	1819 20:00	75
HP	1008	0	-68	-1095	952	0	108	-1065	1248 11:00	0
J&K	1766	442	0	-602	1354	239	-59	-685	1780 6:00	445
Chandigarh	262		20	0	209	0	37	0	314 15:00	0
Total	42517	1142	-639	1256	38808	3649	630	1335	44826 23:00	2232

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

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	1885	2070	2039	44.71	1863	43.96	0.74	
	Rihand I STPS (2*500)	1000	405	439	448	9.67	403	9.57	0.10	
	Rihand II STPS (2*500)	1000	952	1040	1006	22.97	957	22.61	0.36	
	Rihand III STPS (2*500)	1000	949	990	943	22.85	952	22.56	0.28	
	Dadri I STPS (4*210)	840	805	365	364	8.69	362	8.95	-0.26	
	Dadri II STPS (2*490)	980	960	958	859	20.36	848	21.01	-0.65	
	Unchahar I TPS (2*210)	420	350	382	359	8.18	341	8.34	-0.17	
	Unchahar II TPS (2*210)	420	400	400	399	9.24	385	9.44	-0.21	
	Unchahar III TPS (1*210)	210	200	216	205	4.63	193	4.73	-0.10	
	ISTPP (Jhajjar) (3*500)	1500	1425	970	606	17.26	719	17.63	-0.37	
	Dadri GPS (4*130.19+2*154.51)	830	777	184	196	4.32	180	4.49	-0.17	
	Anta GPS (3*88.71+1*153.2)	419	381	335	309	7.76	323	7.94	-0.18	
	Auraiya GPS (4*111.19+2*109.30)	663	623	0	0	0.00	0	0.02	-0.02	
	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	0.07	-0.07	
	KHEP(4*200)	800	872	872	0	10.52	438	10.00	0.52	
	Sub Total (A)	12112	10991	9221	7733	191	7964	191	-0.26	
	B. NPC	NAPS (2*220)	440	210	214	222	4.38	183	5.04	-0.66
		RAPS- B (2*220)	440	382	418	414	9.01	375	9.17	-0.16
		RAPS- C (2*220)	440	327	434	338	8.06	336	7.84	0.22
Sub Total (B)		1320	919	1066	974	21.45	894	22.05	-0.60	
C. NHPC	Chamera I HPS (3*180)	540	540	541	167	8.66	361	8.50	0.16	
	Chamera II HPS (3*100)	300	300	305	308	7.30	304	7.20	0.11	
	Chamera III HPS (3*77)	231	216	224	226	5.26	219	5.19	0.07	
	Bairasuli HPS(3*60)	180	179	182	123	2.19	91	2.00	0.19	
	Salal-HPS (6*115)	690	663	678	677	16.31	680	15.88	0.43	
	Tanakpur-HPS (3*31.4)	94	19	28	31	0.55	23	0.46	0.09	
	Uri-I HPS (4*120)	480	475	473	474	11.50	479	11.40	0.10	
	Uri-II HPS (4*60)	240	34	240	0	0.87	36	0.82	0.05	
	Dhauliganga-HPS (4*70)	280	223	273	0	2.72	114	2.52	0.20	
	Dulhasti-HPS (3*130)	390	369	394	402	9.04	377	8.86	0.18	
	Sewa-II HPS (3*40)	120	119	128	0	0.89	37	0.80	0.09	
	Parbati 3 (4*130)	520	260	0	0	0.00	0	2.60	-2.60	
	Sub Total (C)	4065	3397	3466	2408	65	2721	66	-0.93	
	D.SJVNL	NJPC (6*250)	1500	1605	1617	813	32.50	1354	31.80	0.71
		Rampur HEP (6*68.67)	412	442	448	224	9.12	380	8.83	0.29
		Sub Total (D)	1912	2047	2065	1037	41.62	1734	40.63	0.99
		E. THDC	Tehri HPS (4*250)	1000	260	257	257	6.18	258	6.24
Koteshwar HPS (4*100)	400		113	180	91	2.74	114	2.72	0.01	
Sub Total (E)	1400		373	437	348	8.92	372	8.96	-0.04	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)		1379	543	1052	390	13.65	569	13.03	0.63
	Dehar HPS (6*165)	990	530	660	330	12.76	532	12.71	0.05	
	Pong HPS (6*66)	396	124	192	144	2.95	123	2.98	-0.03	
	Sub Total (F)	2765	1196	1904	864	29.36	1224	28.71	0.65	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	98	85	2.43	101	1.87	0.55	
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	825	600	18.62	776	17.67	0.95	
	Malana Stg-II HPS (2*50)	100	0	45	40	1.08	45	1.01	0.07	
	Shree Cement TPS (2*150)	300	0	287	291	6.92	288	6.90	0.01	
	Budhil HPS(IPP) (2*35)	70	0	60	50	1.44	60	1.66	-0.22	
	Sub Total (G)	1662	0	1315	1066	30.48	1270	29.12	1.36	
	H. Total Regional Entities (A-G)	25237	18924	19474	14430	388.28	16178	387.10	1.17	

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	210	9.09	379
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	118	2.46	102
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	598	463	13.84	577
	Goindwal(GVK) (2*270)	540	0	0	-0.05	-2
	Rajpura (2*700)	1400	1320	1320	31.73	1322
	Talwandi Saboo (3*660)	1980	400	400	12.23	510
	Thermal (Total)	6560	2938	2511	69.31	2888
	Total Hydro	1000	479	461	11.22	467
	Total Punjab	7560	3417	2972	80.53	3355
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	171	0	1.52	63
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	951	748	19.77	824
	Thermal (Total)	4944	1122	748	21.29	887
	Total Hydro	62	10	36	0.45	19
	Total Haryana	5006	1132	784	21.74	906
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	994	834	22.83	951
	suratgarh TPS (6*250)	1500	581	571	13.98	583
	Chabra TPS (4*250)	1000	510	637	13.85	577
	Dholpur GPS (3*110)	330	0	97	0.26	11
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	178	175	4.46	186
	RAPS A (NPC) (1*100+1*200)	300	138	151	2.69	112
	Barsingsar (NLC) (2*125)	250	80	80	1.82	76
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	663	570	15.68	653
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	825	893	19.80	825
	Kawai(Adani) (2*660)	1320	930	904	24.07	1003
	Thermal (Total)	8876	4899	4912	119	4976
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	602	1627	26.56	1107
	Biomass	99	15	15	0.37	15
	Solar	730	0	0	3.04	126
	Renewable/Others (Total)	4043	617	1642	29.96	1248
	Total Rajasthan	13469	5516	6554	149.39	6224
UP	Anpara TPS (3*210+2*500)	1630	782	783	18.70	779
	Obra TPS (2*50+2*94+5*200)	1194	401	557	11.60	483
	Paricha TPS (2*110+2*220+2*250)	1160	687	362	11.10	463
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	226	228	5.30	221
	Tanda TPS (NTPC) (4*110)	440	364	203	6.86	286
	Roza TPS (IPP) (4*300)	1200	279	275	8.10	338
	Anpara-C (IPP) (2*600)	1200	990	990	23.80	992
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	162	162	3.90	163
	Anpara-D(2*500)	1000	377	293	6.90	288
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	596	0	10.10	421
	Thermal (Total)	12449	4864	3853	106	4432
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	9.80	408
	Alaknanada(4*82.5)	330	83	141	2.90	121
	Other Hydro	527	247	206	4.60	192
	Cogeneration	981	100	100	2.40	100
	Total UP	14727	5729	4735	126	5253
Uttarakhand	Total Hydro	1398	669	565	14.29	595
	Total Uttarakhand	1398	669	565	14.29	595
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	26	29	0.73	30
	Pragati Gas Turbine (2x104+ 1x122)	330	266	267	6.42	268
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	-4	3.87	161
	Badarpur TPS (NTPC) (3*95+2*210)	705	327	325	7.10	296
	Thermal (Total)	2917	872	617	18.10	754
	Total Delhi	2917	872	617	18.10	754
HP	Baspa HPS (IPP) (3*100)	300	329	329	7.14	298
	Malana HPS (IPP) (2*43)	86	18	43	0.89	37
	Other Hydro	878	386	385	9.28	387
	Total HP	1264	733	757	17.31	721
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	733	733	17.59	733
	Other Hydro/IPP	560	150	148	3.54	148
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	883	881	21.14	881
Total State Control Area Generation		47841	18951	17865	448.54	18689
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			6711	6757	155.75	6490
Total Regional Availability(Gross)		73078	45136	39052	992.57	41357
IV. Total Hydro Generation:						
Regional Entities Hydro		12234	9712	5382	177.85	7410
State Control Area Hydro		6881	3539	3482	82	3404
Total Regional Hydro		19115	13251	8864	259.55	10814

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	100	100	250	0.86	2.75	-1.90
765 KV Gwalior-Agra (D/C)	2969	2785	3112	0	63.10	0.00	63.10
400 KV Zerda-Kankrol	-148	-315	0	459	0.00	7.38	-7.38
400 KV Zerda-Bhinmal	-110	-272	0	410	0.00	5.91	-5.91
220 KV Auraiya-Malanpur	38	13	0	14	0.42	0.00	0.42
220 KV Badod-Kota/Morak	-32	-54	20	123	0.00	1.30	-1.30
Mundra-Mohindergarh(HVDC Bipole)	2498	2503	2507	0	60.45	0.00	60.45
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	471	351	507	0	9.54	0.00	9.54
Sub Total WR	5436	5111			134.37	17.35	117.02
Pusauli Bypass/HVDC	-377	200	200	426	3.44	1.52	1.92
400 KV MZP- GKP (D/C)	204	319	465	0	6.66	0.00	6.66
400 KV Patna-Balia(D/C) X 2	339	615	615	0	10.27	0.00	10.27
400 KV B'Sharif-Balia (D/C)	173	138	274	0	3.48	0.00	3.48
765 KV Gaya-Balia	279	169	361	0	2.80	0.00	2.80
765 KV Gaya-Varanasi (D/C)	-255	-124	-351	0	2.71	0.00	2.71
220 KV Pusauli-Sahupuri	131	188	220	0	3.97	0.00	3.97
132 KV K'nasa-Sahupuri	-32	-19	0	40	0.00	5.45	-5.45
132 KV Son Ngr-Rihand	-36	-30	0	53	0.00	0.82	-0.82
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	101	-125	194	238	0.00	1.45	-1.45
400 KV Barh -GKP (D/C)	384	436	492	0	9.22	0.00	9.22
400 kV B'Sharif - Varanasi (D/C)	-122	-121	-139	115	0.00	0.22	-0.22
Sub Total ER	789	1646			42.55	9.45	33.09
+/- 800 KV BiswanathCharialli-Agra	486	0	486	0	5.64	0.00	5.64
Sub Total NER	486	0			5.64	0.00	5.64
Total IR Exch	6711	6757			182.55	26.80	155.75

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
39.95	0.90	40.86	6.29	8.28	0.00	-0.02	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
47.14	120.09	167.24	38.73	117.02	155.75	-8.41	-3.07	-11.49

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	-31	-30	0	31	0	1	-0.69

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	1.30	19.40	69.55	70.42	9.16	1.09	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)	
50.16	17.33	49.70	19.47	49.96	0.065	0.070	50.14	49.90	29.58

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	407	7:43	400	9:36	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	6:04	396	14:39	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	410	6:03	386	14:41	0.0	1.9	0.0	0.0	0.0
Kanpur	400	414	5:02	396	19:45	0.0	0.0	0.0	0.0	0.0
Dadri	400	408	18:04	394	14:41	53.9	53.9	0.0	0.0	53.9
Ballabgarh	400	423	5:03	396	14:39	0.0	0.0	3.5	0.0	3.5
Bawana	400	417	6:01	397	14:37	0.0	0.0	0.0	0.0	0.0
Bassi	400	415	5:01	391	22:12	0.0	0.0	0.0	0.0	0.0
Hissar	400	414	5:02	392	22:34	0.0	0.0	0.0	0.0	0.0
Moga	400	410	5:02	394	14:39	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	420	5:04	398	19:46	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	421	3:30	400	14:40	0.0	0.0	0.1	0.0	0.1
Kishenpur	400	409	2:44	395	20:42	0.0	0.0	0.0	0.0	0.0
Wagoora	400	410	2:23	387	7:58	0.0	5.7	0.0	0.0	0.0
Amritsar	400	415	2:53	162	17:17	0.0	0.0	0.0	0.0	0.0
Kashipur	400	416	6:02	404	14:41	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	407	7:48	395	14:40	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	403	7:27	374	14:41	3.7	34.0	0.0	0.0	3.7

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	771	7:58	739	19:47	0.0	3.5	0.0	0.0	0.0
Balia	765	780	17:03	742	22:10	0.0	0.0	0.0	0.0	0.0
Moga	765	788	5:03	754	22:12	0.0	0.0	0.0	0.0	0.0
Agra	765	784	5:02	749	19:50	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	788	5:01	752	11:39	0.0	0.0	0.0	0.0	0.0
Unnao	765	787	15:00	739	9:37	0.0	1.5	0.0	0.0	0.0
Lucknow	765	778	7:30	737	14:41	0.0	1.3	0.0	0.0	0.0
Meerut	765	794	5:05	754	22:34	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	780	5:01	748	22:10	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	768	18:50	767	18:49	0.0	0.0	0.0	0.0	0.0
Anta	765	775	4:02	752	22:11	0.0	0.0	0.0	0.0	0.0
Phagi	765	780	5:01	748	22:10	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	478.26	420.92	487.75	661.49	571.60	436.48
Pong	426.72	384.05	390.93	67.89	405.66	361.16	48.82	252.36
Tehri	829.79	740.04	741.65	8.00	752.25	66.00	150.67	239.00
Koteshwar	612.50	598.50	607.85	3.54	609.54	4.21	239.00	181.37
Chamera-I	760.00	748.75	751.90	0.00	0.00	0.00	220.71	238.30
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	504.42	3.49	521.51	6.19	222.12	149.34

* 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	169	139	0	169	112	0	4.05	3.38	7.43
Delhi	284	-112	0	420	-11	0	10.43	-0.61	9.82
Haryana	750	268	0	542	259	0	15.33	4.66	19.99
HP	-821	-244	0	-617	-478	0	-15.83	-8.73	-24.55
J&K	-653	-32	0	-570	-32	0	-15.55	-0.63	-16.17
CHD	0	0	0	0	0	0	0.35	0.17	0.53
Rajasthan	-7	-79	0	-7	213	0	-0.17	6.68	6.51
UP	1205	233	0	891	85	0	22.36	1.53	23.89
Uttarakhand	58	178	0	58	221	0	1.40	4.56	5.95
Total	984	351	0	886	370	0	22.38	11.01	33.39

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	169	169	181	99	0	0
Delhi	616	284	325	-453	0	0
Haryana	788	542	288	-38	0	0
HP	-567	-821	-67	-567	0	0
J&K	-527	-767	-17	-32	0	0
CHD	44	0	49	0	0	0
Rajasthan	-7	-7	474	-238	0	0
UP	1279	796	293	0	0	0
Uttarakhand	58	58	271	146	0	0

XL System Reliability Indices(Violation of TTC and ATC):

(i)%age of times N-1 Criteria was violated in the inter - regional corridors

WR	16.32%
ER	0.00%
Simultaneous	0.00%

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

WR	46.53%
ER	0.00%
Simultaneous	0.00%

(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 01.06.2016 :

Normal

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

1. 800 kV HVDC Agra-BNC pole - II first time charged at 21:56 hrs of 02.06.2016.

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.