

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पारदर्शिता की पूर्ण स्वाभिमूर्तता प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 20.06.2016
Date of Reporting : 21.06.2016



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
46789	986	47775	50.08	51326	289	51615	50.03	1164.0	8.74

* 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	101.58	15.73		117.31	118.59	118.33	-0.26	235.64	0.00
Haryana	48.90	0.62		49.52	126.05	123.69	-2.35	173.21	0.00
Rajasthan	132.67	0.00	13.02	145.70	67.71	69.08	1.37	214.78	0.00
Delhi	21.24			21.24	95.42	93.90	-1.52	115.14	0.06
UP	161.33	19.30		180.63	135.29	138.03	2.75	318.66	0.00
Uttarakhand		17.81		17.81	22.06	23.31	1.25	41.12	0.42
HP		20.16		20.16	4.65	5.61	0.97	25.77	0.46
J & K		21.79	0.00	21.79	16.93	11.35	-5.58	33.14	7.80
Chandigarh				0.00	6.36	6.57	0.27	6.57	0.00
Total	465.72	95.41	13.02	574.15	593.04	589.88	-3.10	1164.03	8.74

* 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	9787	0	-358	1443	9553	0	74	1486	10223	24:00	0
Haryana	7566	0	-171	1053	7638	0	86	1300	8276	23:00	12
Rajasthan	7671	0	-153	155	9133	0	-26	155	9896	8:00	0
Delhi	4380	11	-84	711	5197	6	214	631	5499	1:00	0
UP	12391	450	-9	1019	15379	0	366	1164	15433	2:00	0
Uttarakhand	1881	75	85	200	1638	0	-34	58	1881	20:00	75
HP	1041	0	20	-1317	941	0	55	-1516	1244	10:00	5
J&K	1801	450	-3	-498	1603	283	-68	-623	1830	21:00	458
Chandigarh	271	0	11	0	244	0	-3	0	356	15:00	0
Total	46789	986	-662	2767	51326	289	664	2656	51470	1:00	207

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

Diversity is: 1.06

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 [OD:(+ve), UD: (-ve)]	
								Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1900	2042	2036	45.12	1880	44.44		0.68
Rihand I STPS (2*500)	1000	456	498	480	10.26	427	10.04		0.22
Rihand II STPS (2*500)	1000	946	1037	1015	21.55	898	20.94		0.61
Rihand III STPS (2*500)	1000	943	1013	1012	21.14	881	20.71		0.43
Dadri I STPS (4*210)	840	805	264	273	6.73	281	7.15		-0.41
Dadri II STPS (2*490)	980	960	672	782	17.13	714	17.62		-0.48
Unchahar I TPS (2*210)	420	350	282	281	6.37	265	6.52		-0.15
Unchahar II TPS (2*210)	420	400	310	266	6.71	280	7.13		-0.42
Unchahar III TPS (1*210)	210	200	160	140	3.41	142	3.61		-0.20
ISTPP (Jhajjar) (3*500)	1500	1425	1055	1091	22.41	934	23.16		-0.75
Dadri GPS (4*130.19+2*154.51)	830	786	191	188	4.24	176	4.29		-0.06
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	627	0	153	0.08	3	0.83		-0.75
Dadri Solar(5)	5	1	0	0	0.02	1	0.02		0.00
Unchahar Solar(10)	10	2	0	0	0.02	1	0.04		-0.03
Singrauli Solar(15)	15	2	0	0	0.06	3	0.04		0.02
KHEP(4*200)	800	855	852	851	20.01	834	19.69		0.32
Sub Total (A)	12112	11057	8376	8568	185	7718	186		-0.99
B. NPC									
NAPS (2*220)	440	278	403	345	8.02	334	6.66		1.36
RAPS- B (2*220)	440	370	410	414	8.82	367	8.88		-0.06
RAPS- C (2*220)	440	410	430	434	9.30	388	9.84		-0.54
Sub Total (B)	1320	1058	1243	1193	26.14	1089	25.38		0.76
C. NHPC									
Chamera I HPS (3*180)	540	546	539	539	12.92	538	12.81		0.10
Chamera II HPS (3*100)	300	301	309	306	7.29	304	7.22		0.08
Chamera III HPS (3*77)	231	228	230	228	5.46	227	5.46		0.00
Bairasuli HPS(3*60)	180	179	180	180	2.47	103	2.42		0.05
Salal-HPS (6*115)	690	658	670	670	16.07	670	15.79		0.28
Tanakpur-HPS (3*31.4)	94	43	56	63	1.32	55	1.02		0.30
Uri-I HPS (4*120)	480	475	477	480	11.52	480	11.40		0.12
Uri-II HPS (4*60)	240	236	240	241	5.68	237	5.66		0.02
Dhauliganga-HPS (4*70)	280	181	0	278	4.33	180	4.28		0.05
Dulhasti-HPS (3*130)	390	387	400	394	9.39	391	9.29		0.10
Sewa-II HPS (3*40)	120	119	127	0	0.95	39	0.90		0.05
Parbati 3 (4*130)	520	341	393	0	3.58	149	3.56		0.02
Sub Total (C)	4065	3688	3627	3378	81	3374	80		1.16
D. SJVNL									
NJPC (6*250)	1500	1605	1620	1631	38.51	1604	38.52		-0.01
Rampur HEP (6*68.67)	412	442	451	451	10.65	444	10.56		0.09
Sub Total (D)	1912	2047	2071	2082	49.16	2048	49.08		0.08
E. THDC									
Tehri HPS (4*250)	1000	528	543	0	4.42	184	4.31		0.11
Koteshwar HPS (4*100)	400	133	386	92	3.17	132	3.16		0.01
Sub Total (E)	1400	661	929	92	7.59	316	7.47		0.12
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	1036	1258	899	24.84	1035	24.87		-0.03
Dehar HPS (6*165)	990	613	660	600	14.82	618	14.71		0.11
Pong HPS (6*66)	396	69	141	47	1.66	69	1.65		0.01
Sub Total (F)	2765	1718	2059	1546	41.32	1722	41.23		0.10
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	209	184	3.98	166	4.42		-0.44
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.32	1097	26.13		0.19
Malana Stg-II HPS (2*50)	100	0	111	112	2.57	107	2.41		0.16
Shree Cement TPS (2*150)	300	0	288	282	6.47	270	6.50		-0.03
Budhil HPS(IPP) (2*35)	70	0	38	39	0.91	38	0.90		0.01
Sub Total (G)	1662	0	1746	1716	40.25	1677	40.35		-0.11
H. Total Regional Entities (A-G)	25237	20228	20050	18575	430.67	17945	429.54		1.13

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sentout MW)	
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	958	690	19.35	806	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	420	410	9.30	387	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	795	842	19.40	808	
	Goindwal(GVK) (2*270)	540	0	0	-0.04	-2	
	Rajpura (2*700)	1400	1320	1320	30.33	1264	
	Talwandi Saboo (3*660)	1980	1028	1183	23.25	969	
	Thermal (Total)	6560	4521	4445	101.58	4233	
	Total Hydro	1000	640	674	15.73	655	
	Total Punjab	7560	5161	5119	117.31	4888	
	Haryana	Panipat TPS (2*210+2*250)	920	372	369	8.81	367
DCRTPP (Yamuna nagar) (2*300)		600	561	557	12.13	505	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	190	186	4.23	176	
RGTPP (khedar) (IPP) (2*600)		1200	757	763	20.68	862	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	382	0	3.06	127	
Thermal (Total)		4497	2262	1875	48.90	2037	
Total Hydro		62	11	36	0.62	26	
Total Haryana		4559	2273	1911	49.52	2063	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1051	825	24.56	1023
	suratgarh TPS (6*250)	1500	1096	956	24.71	1030	
	Chabra TPS (4*250)	1000	568	574	14.39	600	
	Dholpur GPS (3*110)	330	88	48	2.07	86	
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	70	169	2.82	117	
	RAPS A (NPC) (1*100+1*200)	300	138	138	3.45	144	
	Barsingsar (NLC) (2*125)	250	79	79	1.83	76	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	723	841	18.59	775	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	447	550	12.06	503	
	Kawai(Adani) (2*660)	1320	1026	1204	28.19	1175	
	Thermal (Total)	8876	5286	5384	133	5528	
	Total Hydro	550	0	0	0.00	0	
	Wind power	3214	219	912	10.09	420	
	Biomass	99	24	24	0.57	24	
	Solar	730	0	0	2.36	99	
	Renewable/Others (Total)	4043	243	936	13.02	543	
	Total Rajasthan	13469	5529	6320	145.70	6071	
	UP	Anpara TPS (3*210+2*500)	1630	1325	1310	30.57	1274
Obra TPS (2*50+2*94+5*200)		1194	570	506	12.61	525	
Paricha TPS (2*110+2*220+2*250)		1160	661	886	18.52	772	
Panki TPS (2*105)		210	68	77	1.64	68	
Harduaganj TPS (1*60+1*105+2*250)		665	393	528	11.11	463	
Tanda TPS (NTPC) (4*110)		440	276	374	7.96	331	
Roza TPS (IPP) (4*300)		1200	276	1058	19.46	811	
Anpara-C (IPP) (2*600)		1200	927	1080	21.54	897	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	283	405	7.11	296	
Anpara-D(2*500)		1000	160	608	11.98	499	
Lalitpur TPS(3*660)		1980	0	473	6.23	260	
Bara(2*660)		1320	423	526	10.22	426	
Thermal (Total)		12449	5362	7831	159	6622	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.48	437	
Alaknanda(4*82.5)		330	341	340	8.11	338	
Other Hydro		527	40	40	0.71	30	
Cogeneration		981	100	100	2.40	100	
Total UP		14727	6278	8746	181	7526	
Uttarakhand		Total Hydro	1398	756	842	17.81	742
		Total Gas	225	0	0	0.00	0
	Total Uttarakhand	1623	756	842	18	742	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	69	139	2.61	109	
	Pragati Gas Turbine (2x104+ 1x122)	330	262	147	5.77	240	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	252	5.85	244	
	Badarpur TPS (NTPC) (3*95+2*210)	705	322	319	7.01	292	
	Thermal (Total)	2917	903	856	21.24	885	
	Total Delhi	2917	903	856	21.24	885	
HP	Baspa HPS (IPP) (3*100)	300	332	332	7.78	324	
	Malana HPS (IPP) (2*43)	86	87	96	2.22	92	
	Other Hydro	878	420	428	10.16	424	
	Total HP	1264	839	856	20.16	840	
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	728	733	17.51	730	
	Other Hydro/IPP	560	183	176	4.28	178	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1500	911	909	21.79	908	
Total State Control Area Generation		47619	22649	25559	574.15	23923	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			6726	8875	187.80	7825	
Total Regional Availability(Gross)		72856	49426	53009	1192.62	49692	

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	10957	9344	231.91	9663
State Control Area Hydro		7106	3973	4132	95	3975
Total Regional Hydro		19340	14930	13476	327.32	13638

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)	-50	50	250	50	1.80	0.65	1.15
765 KV Gwalior-Agra (D/C)	2251	2827	2827	0	55.84	0.00	55.84
400 KV Zerda-Kankroli	-234	-148	0	376	0.00	5.27	-5.27
400 KV Zerda-Bhinmal	-159	-135	0	305	0.00	3.68	-3.68
220 KV Auraiya-Malanpur	12	-18	12	24	0.10	0.00	0.10
220 KV Badoi-Kota/Morak	-104	12	19	107	0.00	-0.65	0.65
Mundra-Mohinderghar(HVDC Bipole)	2503	2098	2508	0.00	56.61	0.00	56.61
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	624	1044	1173	0	21.70	0.00	21.70
Sub Total WR	4843	5730			136.06	8.96	127.10
Pusauli Bypass/HVDC	200	200	200	0	4.86	0.00	4.86
400 KV MZP- GKP (D/C)	267	521	637	0	11.44	0.00	11.44
400 KV Patna-Balia(D/C) X 2	703	937	966	0	20.24	0.00	20.24
400 KV B'Sharif-Balia (D/C)	121	184	292	0	4.44	0.00	4.44
765 KV Gaya-Balia	214	236	312	0	2.92	0.00	2.92
765 KV Gaya-Varanasi (D/C)	112	367	367	0	3.61	0.00	3.61
220 KV Pusauli-Sahupuri	166	226	232	0	4.57	0.00	4.57
132 KV K'nasa-Sahupuri	-28	-24	0	44	0.00	0.52	-0.52
132 KV Son Ngr-Rihand	-36	-31	0	44	0.00	0.68	-0.68
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-233	-106	83	233	0.00	1.82	-1.82
400 KV Barh -GKP (D/C)	452	566	570	0	11.12	0.00	11.12
400 kV B'Sharif - Varanasi (D/C)	-55	69	62	89	0.19	0.00	0.19
Sub Total ER	1883	3145			63.37	3.02	60.36
+/- 800 KV BiswanathCharialli-Agra	0	0	300	0.00	0.34	0.00	0.34
Sub Total NER	0	0			0.34	0.00	0.34
Total IR Exch	6726	8875			199.78	11.98	187.80

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
42.02	1.33	43.35	7.35	21.13	12.01	0.00	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
62.71	122.25	184.96	60.70	127.10	187.80	-2.01	4.85	2.84

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	-27	-27	0	31	0	1	-0.63

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	0.78	7.62	57.06	79.71	10.79	1.78	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)		
50.24	13.02	49.73	18.42	49.99	0.039	0.061	0.00	0.00	20.29

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	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)				Voltage 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	479.30	441.00	487.45	652.97	997.66	953.60
Pong	426.72	384.05	390.32	59.64	405.68	361.16	307.12	142.35
Tehri	829.79	740.04	746.45	29.00	742.00	9.37	298.11	164.00
Koteshwar	612.50	598.50	608.88	3.99	609.98	4.44	164.00	208.90
Chamera-I	760.00	748.75	752.74	0.00	0.00	0.00	301.44	354.74
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1145.00	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	505.01	7.19	522.15	7.40	298.71	331.03

* 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	921	565	0	953	490	0	24.98	12.34	37.33
Delhi	323	308	0	532	180	0	13.14	6.91	20.05
Haryana	1033	267	0	723	329	0	20.98	7.37	28.35
HP	-1124	-392	0	-874	-442	0	-22.92	-9.36	-32.29
J&K	-623	0	0	-572	74	0	-16.82	-0.47	-17.29
CHD	0	0	0	0	0	0	0.35	0.09	0.45
Rajasthan	-210	365	0	-210	366	0	-5.05	8.83	3.78
UP	1164	0	0	1019	0	0	23.45	0.00	23.45
Uttarakhand	47	11	0	52	148	0	1.15	2.58	3.73
Total	1531	1124	0	1622	1145	0	39.26	28.30	67.56

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1360	828	570	434	0	0
Delhi	671	323	719	-331	0	0
Haryana	1112	700	376	178	0	0
HP	-867	-1128	-323	-551	0	0
J&K	-572	-950	74	-151	0	0
CHD	44	0	30	0	0	0
Rajasthan	-210	-210	692	210	0	0
UP	1330	825	0	0	0	0
Uttarakhand	52	45	208	11	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	35.76%

(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 20.06.2016 :

XV. Synchronisation of new generating units :

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

1. ACF-1's A-Type filter sub-bank at 400kV GSS Kurukshetra successfully first time test charged at 1956Hrs dated 20.06.16 till 0005Hrs of 21.06.16.

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.