

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पारदर्शिता की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 17.06.2016
Date of Reporting : 18.06.2016



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
47469	776	48245	50.08	49154	295	49449	50.03	1149.2	14.60

*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	103.23	12.62		115.85	108.02	107.62	-0.40	223.47	0.00
Haryana	45.32	0.03		45.35	121.57	123.83	2.26	169.18	0.00
Rajasthan	123.48	0.09	22.49	146.06	66.17	68.79	2.62	214.85	1.74
Delhi	22.95			22.95	93.75	91.35	-2.40	114.30	0.05
UP	167.70	18.03		185.73	132.74	133.79	1.05	319.51	3.96
Uttarakhand		19.36		19.36	19.53	20.71	1.18	40.07	0.45
HP		19.97		19.97	5.45	5.94	0.49	25.91	0.00
J & K		20.14	0.00	20.14	17.54	15.57	-1.96	35.71	8.40
Chandigarh				0.00	6.13	6.16	0.27	6.16	0.00
Total	462.67	90.24	22.49	575.40	570.90	573.76	3.10	1149.17	14.60

* 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/XPX transaction	Demand Met	Shortage	UI	STO/XPX transaction			
Punjab	9358	0	-198	1027	8577	0	47	1075	9997	15:00	0
Haryana	6844	0	201	1417	7276	0	268	1617	8002	23:00	0
Rajasthan	7804	0	52	160	9439	0	-14	317	9811	24:00	0
Delhi	4453	0	-251	676	4862	0	-21	733	5764	17:00	0
UP	14022	280	755	920	14587	0	-102	1033	14906	1:00	375
Uttarakhand	1869	40	148	217	1605	0	56	84	1869	20:00	40
HP	1023	0	59	-1268	921	0	11	-1513	1188	15:00	0
J&K	1825	456	-44	-511	1671	295	193	-621	1843	21:00	461
Chandigarh	271	0	-5	0	217	0	9	0	319	15:00	0
Total	47469	776	717	2637	49154	295	447	2724	51238	23:00	535

* 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	1391	1514	1506	32.99	1375	31.91	1.09
Rihand I STPS (2*500)	1000	465	482	517	10.90	454	10.39	0.52
Rihand II STPS (2*500)	1000	946	939	1011	21.42	892	20.80	0.61
Rihand III STPS (2*500)	1000	311	480	0	6.97	290	6.94	0.02
Dadri I STPS (4*210)	840	805	306	311	6.87	286	6.80	0.06
Dadri II STPS (2*490)	980	960	726	714	17.98	749	19.04	-1.05
Unchahar I TPS (2*210)	420	348	331	347	6.82	284	7.22	-0.40
Unchahar II TPS (2*210)	420	398	378	400	7.45	310	8.16	-0.72
Unchahar III TPS (1*210)	210	200	196	179	3.84	160	4.11	-0.27
ISTPP (Jhajjar) (3*500)	1500	1425	946	904	22.41	934	23.07	-0.66
Dadri GPS (4*130.19+2*154.51)	830	786	186	179	4.13	172	4.17	-0.05
Anta GPS (3*88.71+1*153.2)	419	261	0	0	0.00	0	0.15	-0.15
Auraiya GPS (4*111.19+2*109.30)	663	627	149	144	3.39	141	3.58	-0.19
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	2	0	0	0.00	0	0.05	-0.05
KHEP(4*200)	800	863	852	869	20.70	863	20.71	-0.01
Sub Total (A)	12112	9793	7485	7081	166	6911	167	-1.32
B. NPC								
NAPS (2*220)	440	185	206	212	4.39	183	4.44	-0.05
RAPS- B (2*220)	440	366	410	414	8.83	368	8.78	0.04
RAPS- C (2*220)	440	395	436	429	9.36	390	9.48	-0.12
Sub Total (B)	1320	946	1052	1055	22.58	941	22.70	-0.12
C. NHPC								
Chamera I HPS (3*180)	540	540	552	544	12.65	527	12.56	0.09
Chamera II HPS (3*100)	300	300	311	309	7.31	305	7.20	0.12
Chamera III HPS (3*77)	231	228	229	228	5.48	228	5.46	0.02
Bairasuli HPS(3*60)	180	179	183	0	2.57	107	2.48	0.08
Salal-HPS (6*115)	690	644	672	668	15.80	659	15.47	0.33
Tanakpur-HPS (3*31.4)	94	43	54	52	1.28	53	1.02	0.25
Uri-I HPS (4*120)	480	475	476	477	11.57	482	11.40	0.17
Uri-II HPS (4*60)	240	237	241	240	5.73	239	5.69	0.04
Dhauliganga-HPS (4*70)	280	280	278	141	4.64	193	4.52	0.12
Dulhasti-HPS (3*130)	390	258	274	273	6.33	264	6.19	0.14
Sewa-II HPS (3*40)	120	119	128	0	1.11	46	1.10	0.02
Parbati 3 (4*130)	520	390	390	0	4.16	173	4.05	0.11
Sub Total (C)	4065	3694	3787	2932	79	3276	77	1.49
D. SJVNL								
NJPC (6*250)	1500	1605	1627	1631	38.87	1620	38.52	0.35
Rampur HEP (6*68.67)	412	442	448	448	10.80	450	10.61	0.20
Sub Total (D)	1912	2047	2075	2079	49.68	2070	49.13	0.55
E. THDC								
Tehri HPS (4*250)	1000	528	533	268	5.99	250	5.94	0.05
Koteshwar HPS (4*100)	400	135	398	92	3.44	143	3.25	0.19
Sub Total (E)	1400	663	931	360	9.43	393	9.19	0.24
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	1008	1295	901	24.31	1013	24.19	0.11
Dehar HPS (6*165)	990	610	825	560	14.58	608	14.64	-0.06
Pong HPS (6*66)	396	51	138	0	1.20	50	1.23	-0.03
Sub Total (F)	2765	1669	2258	1461	40.09	1670	40.06	0.02
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	182	214	4.13	172	3.60	0.53
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.45	1102	26.13	0.32
Malana Stg-II HPS (2*50)	100	0	111	111	2.45	102	2.31	0.14
Shree Cement TPS (2*150)	300	0	289	289	6.62	276	6.63	-0.01
Budhil HPS(IPP) (2*35)	70	0	38	40	0.91	38	1.66	-0.75
Sub Total (G)	1662	0	1719	1754	40.57	1690	40.33	0.24
H. Total Regional Entities (A-G)	25237	18812	19307	16722	406.83	16951	405.73	1.10

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	850	1030	24.32	1013	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	400	400	9.45	394	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	896	811	19.95	831	
	Goindwal(GVK) (2*270)	540	0	0	-0.05	-2	
	Rajpura (2*700)	1400	1320	1320	28.56	1190	
	Talwandi Saboo (3*660)	1980	1163	600	20.99	875	
	Thermal (Total)	6560	4629	4161	103.23	4301	
	Total Hydro	1000	573	445	12.62	526	
	Total Punjab	7560	5202	4606	115.85	4827	
	Haryana	Panipat TPS (2*210+2*250)	920	398	408	9.54	397
DCRTPP (Yamuna nagar) (2*300)		600	470	561	11.89	495	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	162	324	5.01	209	
RGTPP (khedar) (IPP) (2*600)		1200	766	768	18.89	787	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4497	1796	2061	45.32	1888	
Total Hydro		62	0	2	0.03	1	
Total Haryana		4559	1796	2063	45.35	1890	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1019	1025	24.71	1029
	suratgarh TPS (6*250)	1500	773	565	16.14	673	
	Chabra TPS (4*250)	1000	700	635	15.76	657	
	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	175	142	3.65	152	
	RAPS A (NPC) (1*100+1*200)	300	137	137	3.42	143	
	Barsingsar (NLC) (2*125)	250	78	80	1.79	75	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	626	846	17.96	749	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	411	555	11.91	496	
	Kawai(Adani) (2*660)	1320	888	1203	28.15	1173	
	Thermal (Total)	8876	4807	5188	123	5145	
	Total Hydro	550	0	0	0.09	4	
	Wind power	3214	413	1528	22.06	919	
	Biomass	99	18	18	0.43	18	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	431	1546	22.49	937	
	Total Rajasthan	13469	5238	6734	146.06	6086	
	UP	Anpara TPS (3*210+2*500)	1630	1377	1378	32.25	1344
Obra TPS (2*50+2*94+5*200)		1194	554	578	13.35	556	
Paricha TPS (2*110+2*220+2*250)		1160	585	1002	16.56	690	
Panki TPS (2*105)		210	135	144	3.27	136	
Harduaganj TPS (1*60+1*105+2*250)		665	440	538	11.69	487	
Tanda TPS (NTPC) (4*110)		440	370	385	8.27	345	
Roza TPS (IPP) (4*300)		1200	779	1098	22.19	925	
Anpara-C (IPP) (2*600)		1200	900	1080	23.38	974	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	306	405	8.02	334	
Anpara-D(2*500)		1000	588	328	12.48	520	
Lalitpur TPS(3*660)		1980	382	473	9.00	375	
Bara(2*660)		1320	0	531	4.83	201	
Thermal (Total)		12449	6416	7940	165	6888	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.47	436	
Alaknanda(4*82.5)		330	210	252	5.98	249	
Other Hydro		527	226	102	1.58	66	
Cogeneration		981	100	100	2.40	100	
Total UP		14727	7387	8829	186	7739	
Uttarakhand		Total Hydro	1398	780	853	19.36	807
		Total Gas	225	0	0	0.00	0
	Total Uttarakhand	1623	780	853	19	807	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.04	-1	
	Delhi Gas Turbine (6x30 + 3x34)	282	139	139	3.36	140	
	Pragati Gas Turbine (2x104+ 1x122)	330	262	261	6.50	271	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	254	252	6.08	253	
	Badarpur TPS (NTPC) (3*95+2*210)	705	334	319	7.05	294	
	Thermal (Total)	2917	989	971	22.95	956	
	Total Delhi	2917	989	971	22.95	956	
HP	Baspa HPS (IPP) (3*100)	300	302	332	7.71	321	
	Malana HPS (IPP) (2*43)	86	93	103	2.14	89	
	Other Hydro	878	402	450	10.13	422	
	Total HP	1264	797	885	19.97	832	
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	661	661	15.86	661	
	Other Hydro/IPP	560	184	176	4.28	178	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1500	845	837	20.14	839	
Total State Control Area Generation		47619	23034	25778	575.40	23975	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			6877	6812	162.86	6786	
Total Regional Availability(Gross)		72856	49218	49312	1145.09	47712	
IV. Total Hydro Generation:							
Regional Entities Hydro		12234	11295	9126	231.56	9648	
State Control Area Hydro		7106	3866	3811	90	3760	
Total Regional Hydro		19340	15161	12937	321.80	13408	

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	0	6.10	0.00	6.10
765 KV Gwalior-Agra (D/C)	2644	2348	2774	0	53.72	0.00	53.72
400 KV Zerda-Kankroli	-137	-211	0	424	0.00	5.29	-5.29
400 KV Zerda-Bhinmal	-79	-197	1	370	0.00	4.09	-4.09
220 KV Auraiya-Malanpur	27	-30	0	86	0.00	0.60	-0.60
220 KV Badod-Kota/Morak	43	34	59	36	0.26	0.00	0.26
Mundra-Mohinderghar(HVDC Bipole)	2298	2293	2505	0.00	55.48	0.00	55.48
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1035	908	1183	0	22.13	0.00	22.13
Sub Total WR	6081	5395			137.70	9.98	127.71
Pusauli Bypass/HVDC	-200	-200	200	0	4.79	0.00	4.79
400 KV MZP- GKP (D/C)	268	388	521	0	8.64	0.00	8.64
400 KV Patna-Balia(D/C) X 2	644	831	958	0	8.93	0.00	8.93
400 KV B'Sharif-Balia (D/C)	107	167	299	0	3.78	0.00	3.78
765 KV Gaya-Balia	224	284	315	0	2.67	0.00	2.67
765 KV Gaya-Varanasi (D/C)	-196	-218	0	413	0.00	5.27	-5.27
220 KV Pusauli-Sahupuri	-190	-200	212	0	4.69	0.00	4.69
132 KV K'nasa-Sahupuri	-26	0	100	30	0.00	0.41	-0.41
132 KV Son Ngr-Rihand	-32	-30	0	34	0.00	0.59	-0.59
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-237	-155	57	237	0.00	2.44	-2.44
400 KV Barh -GKP (D/C)	466	530	606	0	11.26	0.00	11.26
400 kV B'Sharif - Varanasi (D/C)	-32	20	57	172	0.00	0.90	-0.90
Sub Total ER	796	1417			44.75	9.61	35.15
+/- 800 KV BiswanathCharialli-Agra	0	0	0	500.00	0.00	0.00	0.00
Sub Total NER	0	0			0.00	0.00	0.00
Total IR Exch	6877	6812			182.45	19.59	162.86

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
40.73	1.37	42.10	7.65	20.45	10.79	-0.53	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
60.54	123.75	184.29	35.15	127.71	162.86	-25.39	3.96	-21.43

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	-16	0	30	0	1	-0.62

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	2.97	11.37	58.77	75.23	11.09	2.36	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	13.04	49.70	19.44	49.98	0.057	0.072	0.00	0.00	24.77

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	479.12	441.00	486.94	644.48	824.50	918.54
Pong	426.72	384.05	389.78	52.62	405.68	361.16	348.27	107.69
Tehri	829.79	740.04	745.00	23.98	741.55	7.24	256.00	224.00
Koteshwar	612.50	598.50	609.59	4.44	610.18	4.65	224.00	227.14
Chamera-I	760.00	748.75	754.13	0.00	0.00	0.00	328.84	346.43
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	505.27	7.07	522.13	6.69	253.37	332.88

* 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	652	424	0	727	300	0	21.02	9.71	30.72
Delhi	385	348	0	578	98	0	12.84	6.85	19.69
Haryana	1265	351	0	1093	324	0	24.94	7.05	31.99
HP	-1121	-392	0	-870	-397	0	-22.85	-8.37	-31.22
J&K	-621	0	0	-571	60	0	-16.61	-0.99	-17.60
CHD	0	0	0	0	0	0	0.36	0.13	0.49
Rajasthan	-109	426	0	-109	269	0	-2.60	9.14	6.53
UP	1033	0	0	920	0	0	21.20	0.00	21.20
Uttarakhand	73	10	0	77	140	0	1.77	0.98	2.75
Total	1557	1167	0	1844	793	0	40.06	24.49	64.55

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1497	652	512	283	0	0
Delhi	618	385	773	-192	0	0
Haryana	1357	800	374	43	0	0
HP	-866	-1124	-91	-508	0	0
J&K	-571	-898	60	-252	0	0
CHD	44	0	30	0	0	0
Rajasthan	-109	-109	428	-111	0	0
UP	1147	730	0	0	0	0
Uttarakhand	77	72	146	1	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	2.78%

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

WR	0.35%
ER	0.00%
Simultaneous	37.15%

(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 17.06.2016 :

XV. Synchronisation of new generating units :

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

1. 9 nos. of 220kV Bay at 400kV Patran Substation were charged between 12:36 to 12:41 hrs on 17.06.2016.

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.