

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पारशिष्ट की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 15.06.2016
Date of Reporting : 16.06.2016



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
45775	739	46514	50.08	48882	426	49308	50.03	1107.3	7.66

* 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	91.16	15.03		106.19	101.49	102.29	0.81	208.48	0.00
Haryana	40.70	0.43		41.12	117.28	115.85	-1.43	156.97	0.00
Rajasthan	104.17	0.00	44.08	148.25	60.80	63.02	2.22	211.27	0.00
Delhi	23.12			23.12	93.19	92.44	-0.74	115.56	0.00
UP	161.49	16.89		178.38	139.96	136.51	-3.45	314.89	0.00
Uttarakhand		17.32		17.35	19.23	20.59	1.35	37.94	0.16
HP		19.32		19.32	5.52	6.42	0.90	25.74	0.35
J & K		21.87	0.00	21.87	16.17	8.57	-7.59	30.44	7.15
Chandigarh				0.00	6.24	6.05	0.27	6.05	0.00
Total	420.64	90.85	44.08	555.60	559.87	551.74	-7.67	1107.34	7.66

* 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	9123	0	-70	889	8120	0	112	612	9530	21:00	0
Haryana	6976	0	-277	994	7145	0	-13	1262	7792	23:00	0
Rajasthan	7938	0	-88	430	9044	0	226	433	9627	24:00	0
Delhi	4714	0	-192	454	4878	0	121	292	5733	17:00	0
UP	12484	290	299	896	15319	115	260	1275	15319	3:00	115
Uttarakhand	1751	75	-39	206	1512	0	104	64	1809	21:00	40
HP	1035	0	76	-1292	990	24	45	-1371	1217	10:00	18
J&K	1494	374	-254	-467	1627	287	-59	-576	1627	3:00	287
Chandigarh	260	0	4	0	248	0	2	15	289	15:00	0
Total	45775	739	-542	2110	48882	426	797	2005	49247	23:00	200

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

Diversity is: 1.08

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 [DG:(+ve), UG:(-ve)]	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1900	2063	2063	45.10	1879	45.00	0.10	
Rihand I STPS (2*500)	1000	465	488	516	10.46	436	10.34	0.12	
Rihand II STPS (2*500)	1000	946	1024	927	21.35	890	21.70	-0.35	
Rihand III STPS (2*500)	1000	0	0	0	0.00	0	0.00	0.00	
Dadri I STPS (4*210)	840	805	333	321	7.16	298	7.36	-0.20	
Dadri II STPS (2*490)	980	960	705	698	17.14	714	18.14	-1.00	
Unchahar I TPS (2*210)	420	350	279	268	6.49	270	7.22	-0.73	
Unchahar II TPS (2*210)	420	400	309	284	7.19	300	8.09	-0.90	
Unchahar III TPS (1*210)	210	200	165	135	3.44	143	3.94	-0.50	
ISTPP (Jhajjar) (3*500)	1500	1425	1190	1184	23.45	977	24.27	-0.82	
Dadri GPS (4*130.19+2*154.51)	830	786	327	347	6.58	274	6.68	-0.10	
Anta GPS (3*88.71+1*153.2)	419	259	0	0	0.00	0	0.00	0.00	
Auraiya GPS (4*111.19+2*109.30)	663	623	124	152	3.02	126	3.01	0.01	
Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00	
Unchahar Solar(10)	10	1	0	0	0.00	0	0.03	-0.03	
Singrauli Solar(15)	15	3	0	0	0.06	2	0.06	0.00	
KHEP(4*200)	800	872	868	824	17.12	713	17.00	0.12	
Sub Total (A)	12112	9997	7875	7719	169	7024	17.00	-4.28	
B. NPC									
NAPS (2*220)	440	188	204	212	4.40	183	4.51	-0.11	
RAPS- B (2*220)	440	363	410	414	8.82	367	8.71	0.11	
RAPS- C (2*220)	440	395	434	432	9.30	387	9.48	-0.18	
Sub Total (B)	1320	946	1048	1058	22.52	938	22.70	-0.19	
C. NHPC									
Chamera I HPS (3*180)	540	540	545	543	10.52	438	10.50	0.02	
Chamera II HPS (3*100)	300	300	314	301	7.38	307	7.20	0.18	
Chamera III HPS (3*77)	231	228	230	230	5.50	229	5.46	0.04	
Bairasuli HPS(3*60)	180	179	185	0	2.41	100	2.34	0.07	
Salal-HPS (6*115)	690	662	666	674	16.09	671	15.88	0.21	
Tanakpur-HPS (3*31.4)	94	41	19	45	1.05	44	0.98	0.07	
Uri-I HPS (4*120)	480	475	476	476	11.58	482	11.40	0.18	
Uri-II HPS (4*60)	240	220	240	240	5.44	227	5.40	0.04	
Dhauliganga-HPS (4*70)	280	280	287	69	4.92	205	4.74	0.18	
Dulhasti-HPS (3*130)	390	325	274	394	7.66	319	7.86	-0.20	
Sewa-II HPS (3*40)	120	119	128	0	0.78	32	0.70	0.08	
Parbati 3 (4*130)	520	390	390	0	4.74	198	4.66	0.08	
Sub Total (C)	4065	3760	3753	2972	78	3252	77	0.93	
D. SJVNL									
NJPC (6*250)	1500	1605	1624	1631	38.74	1614	38.52	0.22	
Rampur HEP (6*68.67)	412	442	447	448	10.76	448	10.61	0.15	
Sub Total (D)	1912	2047	2071	2079	49.50	2062	49.13	0.37	
E. THDC									
Tehri HPS (4*250)	1000	345	398	269	6.90	287	7.00	-0.10	
Koteshwar HPS (4*100)	400	125	285	91	3.05	127	3.00	0.05	
Sub Total (E)	1400	470	683	360	9.95	414	10.00	-0.05	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	990	1279	742	23.74	989	23.76	-0.02	
Dehar HPS (6*165)	990	611	825	580	14.89	620	14.67	0.22	
Pong HPS (6*66)	396	98	184	138	2.32	97	2.35	-0.03	
Sub Total (F)	2765	1699	2288	1460	40.95	1706	40.78	0.17	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	193	127	3.74	156	3.27	0.47	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.25	1094	26.13	0.12	
Malana Stg-II HPS (2*50)	100	0	111	110	2.38	99	2.23	0.14	
Shree Cement TPS (2*150)	300	0	292	287	6.32	263	6.35	-0.03	
Budhil HPS(IPP) (2*35)	70	0	73	72	1.75	73	1.53	0.21	
Sub Total (G)	1662	0	1770	1696	40.43	1685	39.52	0.91	
H. Total Regional Entities (A-G)	25237	18918	19488	17344	409.96	17082	412.10	-2.14	

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	1030	840	23.68	987	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	295	200	5.49	229	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	854	802	20.01	834	
	Goindwal(GVK) (2*270)	540	0	0	0.00	0	
	Rajpura (2*700)	1400	1320	1320	30.77	1282	
	Talwandi Saboo (3*660)	1980	510	560	11.21	467	
	Thermal (Total)	6560	4009	3722	91.16	3798	
	Total Hydro	1000	645	674	15.03	626	
	Total Punjab	7560	4654	4396	106.19	4425	
	Haryana	Panipat TPS (2*210+2*250)	920	427	445	9.94	414
DCRTPP (Yamuna nagar) (2*300)		600	477	562	12.18	508	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	327	350	8.26	344	
RGTPP (khedar) (IPP) (2*600)		1200	377	454	10.31	430	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4497	1608	1811	40.70	1696	
Total Hydro		62	33	4	0.43	18	
Total Haryana		4559	1641	1815	41.12	1713	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	977	967	23.47	978
	suratgarh TPS (6*250)	1500	387	377	9.18	383	
	Chabra TPS (4*250)	1000	547	571	13.47	561	
	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	156	161	4.24	177	
	RAPS A (NPC) (1*100+1*200)	300	140	140	3.46	144	
	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	436	586	14.60	608	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	408	407	9.81	409	
	Kawai(Adani) (2*660)	1320	873	910	24.14	1006	
	Thermal (Total)	8876	4004	4199	104	4340	
	Total Hydro	550	0	0	0.00	0	
	Wind power	3214	1733	1782	41.00	1708	
	Biomass	99	13	13	0.30	13	
	Solar	730	0	0	2.78	116	
	Renewable/Others (Total)	4043	1746	1795	44.08	1837	
	Total Rajasthan	13469	5750	5994	148.25	6177	
	UP	Anpara TPS (3*210+2*500)	1630	1400	1395	32.24	1343
Obra TPS (2*50+2*94+5*200)		1194	396	369	9.65	402	
Paricha TPS (2*110+2*220+2*250)		1160	731	1157	21.44	893	
Panki TPS (2*105)		210	126	63	2.23	93	
Harduaganj TPS (1*60+1*105+2*250)		665	416	536	12.19	508	
Tanda TPS (NTPC) (4*110)		440	282	380	8.80	367	
Roza TPS (IPP) (4*300)		1200	743	1112	21.08	878	
Anpara-C (IPP) (2*600)		1200	711	1076	21.91	913	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	283	405	7.79	325	
Anpara-D(2*500)		1000	618	639	12.93	539	
Lalitpur TPS(3*660)		1980	0	0	0.65	27	
Bara(2*660)		1320	367	525	10.58	441	
Thermal (Total)		12449	6073	7657	161	6729	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.47	436	
Alaknanda(4*82.5)		330	174	172	5.18	216	
Other Hydro		527	48	176	1.24	52	
Cogeneration		981	0	0	0.00	0	
Total UP		14727	6730	8440	178	7433	
Uttarakhand		Total Hydro	1398	760	649	17.32	722
		Total Gas	225	0	0	0.03	1
	Total Uttarakhand	1623	760	649	17	723	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	140	139	3.33	139	
	Pragati Gas Turbine (2x104+ 1x122)	330	305	263	6.59	275	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	254	253	6.09	254	
	Badarpur TPS (NTPC) (3*95+2*210)	705	331	325	7.11	296	
	Thermal (Total)	2917	1029	980	23.12	963	
	Total Delhi	2917	1029	980	23.12	963	
HP	Baspa HPS (IPP) (3*100)	300	300	331	7.73	322	
	Malana HPS (IPP) (2*43)	86	91	98	1.99	83	
	Other Hydro	878	404	390	9.59	400	
	Total HP	1264	795	819	19.32	805	
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	22276	24002	555.60	23150	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			5808	8076	165.61	6900	
Total Regional Availability(Gross)		72856	47572	49422	1131.17	47132	
IV. Total Hydro Generation:							
Regional Entities Hydro		12234	11068	9032	227.93	9497	
State Control Area Hydro		7106	3807	3838	91	3787	
Total Regional Hydro		19340	14875	12870	318.81	13284	

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)	250	150	250	100	3.26	0.94	2.31
765 KV Gwalior-Agra (D/C)	2085	2547	2660	0	53.98	0.00	53.98
400 KV Zerda-Kankroli	-138	-149	0	317	0.00	4.59	-4.59
400 KV Zerda-Bhinmal	-145	-138	0	331	0.00	4.29	-4.29
220 KV Auraiya-Malanpur	13	5	0	40	0.00	0.07	-0.07
220 KV Badod-Kota/Morak	57	101	125	0	1.71	0.00	1.71
Mundra-Mohindergarh(HVDC Bipole)	1252	2203	2206	0.00	43.44	0.00	43.44
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	947	1147	1235	0	23.99	0.00	23.99
Sub Total WR	4321	5866			126.38	9.90	116.48
Pusauli Bypass/HVDC	200	200	200	0	4.89	0.00	4.89
400 KV MZP- GKP (D/C)	210	388	447	0	7.91	0.00	7.91
400 KV Patna-Balia(D/C) X 2	543	742	795	0	17.53	0.00	17.53
400 KV B'Sharif-Balia (D/C)	45	142	215	0	2.81	0.00	2.81
765 KV Gaya-Balia	187	238	279	0	2.45	0.00	2.45
765 KV Gaya-Varanasi (D/C)	-74	-197	14	346	0.00	3.94	-3.94
220 KV Pusauli-Sahupuri	192	220	228	0	4.67	0.00	4.67
132 KV K'nasa-Sahupuri	0	0	0	0	5.61	0.00	5.61
132 KV Son Ngr-Rihand	-28	-30	0	34	0.00	0.62	-0.62
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-255	-152	0	255	0.00	3.17	-3.17
400 KV Barh -GKP (D/C)	464	544	550	0	10.67	0.00	10.67
400 kV B'Sharif - Varanasi (D/C)	3	115	157	125	0.25	0.00	0.25
Sub Total ER	1487	2210			56.79	7.72	49.07
+/- 800 KV BiswanathCharialli-Agra	0	0	486	0.00	0.06	0.00	0.06
Sub Total NER	0	0			0.06	0.00	0.06
Total IR Exch	5808	8076			183.23	17.62	165.61

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
37.31	1.37	38.68	9.88	18.20	-0.71	-1.43	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
47.84	118.24	166.09	49.13	116.48	165.61	1.29	-1.76	-0.48

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	-32	-27	0	33	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	0.60	7.97	46.36	67.86	18.02	6.15	0.02	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)		
50.20	13.02	49.77	19.37	50.00	0.047	0.068	0.00	0.00	32.14

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	479.33	447.73	487.21	644.48	812.30	891.61
Pong	426.72	384.05	389.13	46.80	405.84	361.16	184.60	205.24
Tehri	829.79	740.04	744.30	20.50	742.25	11.00	289.84	260.00
Koteshwar	612.50	598.50	609.00	3.98	609.31	4.21	260.00	200.86
Chamera-I	760.00	748.75	753.40	0.00	0.00	0.00	303.12	289.05
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	505.54	6.79	522.06	6.41	220.41	273.59

* 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	412	0	597	292	0	10.01	9.98	20.00
Delhi	233	58	0	616	-162	0	13.86	-0.77	13.08
Haryana	921	341	0	673	321	0	18.35	8.26	26.62
HP	-819	-551	0	-565	-727	0	-15.60	-13.68	-29.28
J&K	-576	0	0	-567	99	0	-15.75	-0.57	-16.31
CHD	0	15	0	0	0	0	0.36	0.64	1.00
Rajasthan	-7	440	0	-7	437	0	-0.17	9.00	8.83
UP	1275	0	0	896	0	0	23.42	1.96	25.38
Uttarakhand	54	10	0	54	152	0	1.30	1.14	2.44
Total	1281	724	0	1697	413	0	35.78	15.97	51.75

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	597	200	598	291	0	0
Delhi	782	233	358	-481	0	0
Haryana	921	673	374	321	0	0
HP	-565	-819	-377	-862	0	0
J&K	-526	-821	99	-201	0	0
CHD	44	0	64	0	0	0
Rajasthan	-7	-7	441	109	0	0
UP	1578	803	391	0	0	0
Uttarakhand	54	54	153	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	0.00%

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

WR	0.00%
ER	0.00%
Simultaneous	1.04%

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	0.00%
----------------	-------

XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 15.06.2016 :

XV. Synchronisation of new generating units :

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

1. 220 kV Ganguwal- Mohali-1 LIL OED at Majra(PSTCL) at 18:25/15.06.2016

0.00

0.00

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.