

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पब्लिश की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 24.06.2016
Date of Reporting : 25.06.2016



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 ^a (Hz)	Demand Met	Shortage	Requirement	Freq ^a (Hz)	Demand Met	Shortage
49353	1379	50732	50.08	48152	1108	49260	50.03	1156.0	15.26

^aHalf 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	98.78	15.62		114.40	120.48	120.06	-0.42	234.46	0.00
Haryana	52.10	0.72		52.82	129.38	129.38	-0.01	182.19	0.01
Rajasthan	123.02	0.00	13.64	136.67	57.44	58.65	1.21	195.32	0.00
Delhi	13.78			13.78	103.64	103.38	-0.26	117.16	0.11
UP	138.69	20.70		159.39	154.02	157.32	3.30	316.71	6.91
Uttarakhand		17.68		17.68	21.71	23.89	2.18	41.57	0.20
HP		20.29		20.29	5.83	7.52	1.70	27.81	0.00
J & K		18.34	0.00	18.34	18.82	15.74	-3.09	34.08	8.03
Chandigarh				0.00	6.20	6.66	0.27	6.66	0.00
Total	426.37	93.35	13.64	533.37	617.52	622.59	4.89	1155.96	15.26

[§] 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	9688	0	-150	1612	8539	0	-755	1526	10243	10:00	0
Haryana	8178	32	135	1276	7963	0	86	1401	8625	22:00	0
Rajasthan	7634	0	-26	73	8442	0	142	109	9042	24:00	0
Delhi	5070	0	92	513	4797	0	85	674	5905	17:00	0
UP	13851	835	246	1214	13816	820	344	1275	14108	21:00	620
Uttarakhand	1816	75	-5	197	1715	0	200	45	1854	21:00	40
HP	1089	0	29	-1278	1003	0	55	-1482	1287	11:00	0
J&K	1748	437	-145	-523	1635	288	164	-633	1826	21:00	457
Chandigarh	279	0	15	0	244	0	16	0	331	16:00	0
Total	49353	1379	192	3084	48152	1108	337	2913	51575	21:00	1117

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

Diversity is: 1.03

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	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1879	1977	2051	45.32	1888	45.08		0.24
Rihand I STPS (2*500)	1000	461	515	465	10.93	456	10.60		0.33
Rihand II STPS (2*500)	1000	946	1027	911	22.04	918	21.64		0.41
Rihand III STPS (2*500)	1000	943	997	934	22.24	927	21.94		0.31
Dadri I STPS (4*210)	840	805	410	312	7.80	325	8.16		-0.36
Dadri II STPS (2*490)	980	960	976	716	17.64	735	18.87		-1.22
Unchahar I TPS (2*210)	420	355	355	316	7.16	299	7.99		-0.82
Unchahar II TPS (2*210)	420	400	355	317	7.37	307	8.29		-0.92
Unchahar III TPS (1*210)	210	200	197	143	3.80	158	4.14		-0.34
ISTPP (Jhajjar) (3*500)	1500	1425	1209	1150	24.87	1036	25.72		-0.85
Dadri GPS (4*130.19+2*154.51)	830	787	178	191	4.24	177	4.35		-0.11
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	631	0	0	0.00	0	0.00		0.00
Dadri Solar(5)	5	1	0	0	0.02	1	0.02		0.00
Unchahar Solar(10)	10	2	0	0	0.09	4	0.04		0.06
Singrauli Solar(15)	15	3	0	0	0.01	0	0.07		-0.06
KHEP(4*200)	800	855	850	850	20.53	856	20.52		0.01
Sub Total (A)	12112	11046	9046	8356	194	8086	197		-3.33
B. NPC									
NAPS (2*220)	440	383	414	420	9.04	377	9.19		-0.15
RAPS- B (2*220)	440	370	413	417	8.88	370	8.88		0.00
RAPS- C (2*220)	440	410	432	440	9.39	391	9.84		-0.45
Sub Total (B)	1320	1163	1259	1277	27.31	1138	27.91		-0.60
C. NHPC									
Chamera I HPS (3*180)	540	540	538	361	8.10	338	8.00		0.10
Chamera II HPS (3*100)	300	301	309	307	7.32	305	7.22		0.10
Chamera III HPS (3*77)	231	227	228	230	5.48	228	5.45		0.02
Bairasuli HPS(3*60)	180	120	120	62	2.02	84	1.96		0.06
Salal-HPS (6*115)	690	662	668	668	16.06	669	15.88		0.18
Tanakpur-HPS (3*31.4)	94	64	80	67	1.76	73	1.52		0.24
Uri-I HPS (4*120)	480	466	440	478	11.31	471	11.11		0.20
Uri-II HPS (4*60)	240	237	239	240	5.71	238	5.69		0.02
Dhauliganga-HPS (4*70)	280	280	281	280	6.22	259	6.15		0.07
Dulhasti-HPS (3*130)	390	258	272	270	6.36	265	6.19		0.17
Sewa-II HPS (3*40)	120	119	120	0	0.71	30	0.70		0.01
Parbati 3 (4*130)	520	390	394	130	3.78	157	3.73		0.04
Sub Total (C)	4065	3665	3691	3092	75	3118	74		1.21
D. SJVNL									
NJPC (6*250)	1500	1605	1600	1616	38.57	1607	38.52		0.05
Rampur HEP (6*68.67)	412	442	447	450	10.80	450	10.61		0.19
Sub Total (D)	1912	2047	2047	2066	49.37	2057	49.13		0.24
E. THDC									
Tehri HPS (4*250)	1000	560	544	272	6.78	282	6.60		0.18
Koteshwar HPS (4*100)	400	135	301	96	3.32	138	3.25		0.07
Sub Total (E)	1400	695	845	368	10.09	421	9.85		0.24
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	1030	1289	871	24.85	1036	24.72		0.13
Dehar HPS (6*165)	990	596	660	580	14.54	606	14.31		0.23
Pong HPS (6*66)	396	58	144	0	1.39	58	1.39		0.00
Sub Total (F)	2765	1684	2093	1451	40.78	1699	40.42		0.35
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	183	159	4.00	167	3.70		0.30
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.29	1095	26.13		0.16
Malana Stg-II HPS (2*50)	100	0	111	111	2.49	104	2.36		0.12
Shree Cement TPS (2*150)	300	0	295	273	6.65	277	6.62		0.03
Budhil HPS(IPP) (2*35)	70	0	38	38	0.90	37	0.90		-0.01
Sub Total (G)	1662	0	1727	1681	40.32	1680	39.71		0.61
H. Total Regional Entities (A-G)	25237	20301	20708	18291	436.76	18198	438.04		-1.28

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	943	580	16.21	675	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	290	290	6.76	282	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	844	835	19.90	829	
	Goindwal(GVK) (2*270)	540	0	0	0.00	0	
	Rajpura (2*700)	1400	1320	1320	30.75	1281	
	Talwandi Saboo (3*660)	1980	977	1228	25.16	1048	
	Thermal (Total)	6560	4374	4253	98.78	4116	
	Total Hydro	1000	655	663	15.62	651	
	Total Punjab	7560	5029	4916	114.40	4767	
	Haryana	Panipat TPS (2*210+2*250)	920	588	561	13.30	554
DCRTPP (Yamuna nagar) (2*300)		600	550	560	12.58	524	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	184	188	4.21	175	
RGTPP (khedar) (IPP) (2*600)		1200	468	390	10.97	457	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	483	383	11.04	460	
Thermal (Total)		4497	2273	2082	52.10	2171	
Total Hydro		62	37	28	0.72	30	
Total Haryana	4559	2310	2110	52.82	2201		
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	959	1003	23.61	984	
	suratgarh TPS (6*250)	1500	756	947	21.98	916	
	Chabra TPS (4*250)	1000	382	557	12.30	513	
	Dholpur GPS (3*110)	330	72	88	1.94	81	
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	139	138	3.42	142	
	RAPS A (NPC) (1*100+1*200)	300	138	138	3.47	144	
	Barsingar (NLC) (2*125)	250	193	174	4.19	175	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	664	769	17.12	713	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	407	404	9.87	411	
	Kawai(Adani) (2*660)	1320	959	860	25.14	1048	
	Thermal (Total)	8876	4669	5078	123	5126	
	Total Hydro	550	0	0	0.00	0	
	Wind power	3214	693	849	13.12	547	
	Biomass	99	22	22	0.53	22	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	715	871	13.64	569	
	Total Rajasthan	13469	5384	5949	136.67	5695	
	UP	Anpara TPS (3*210+2*500)	1630	1371	1374	32.70	1363
Obra TPS (2*50+2*94+5*200)		1194	466	368	9.40	392	
Paricha TPS (2*110+2*220+2*250)		1160	888	858	20.50	854	
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaganj TPS (1*60+1*105+2*250)		665	435	419	10.30	429	
Tanda TPS (NTPC) (4*110)		440	376	386	8.89	370	
Roza TPS (IPP) (4*300)		1200	550	311	9.70	404	
Anpara-C (IPP) (2*600)		1200	1089	1071	25.60	1067	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	122	112	2.50	104	
Anpara-D(2*500)		1000	213	212	4.40	183	
Lalitpur TPS(3*660)		1980	0	0	0.00	0	
Bara(2*660)		1320	541	532	12.30	513	
Thermal (Total)		12449	6051	5643	136	5679	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.40	433	
Alaknanda(4*82.5)		330	283	341	7.80	325	
Other Hydro		527	54	205	2.50	104	
Cogeneration		981	100	100	2.40	100	
Total UP		14727	6923	6724	159	6641	
Uttarakhand		Total Hydro	1398	835	673	17.68	737
		Total Gas	225	0	0	0.00	0
	Total Uttarakhand	1623	835	673	18	737	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	70	69	2.08	87	
	Pragati Gas Turbine (2x104+ 1x122)	330	307	265	6.63	276	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	0	0	0.00	0	
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	330	5.07	211	
	Thermal (Total)	2917	707	664	13.78	574	
	Total Delhi	2917	707	664	13.78	574	
HP	Baspa HPS (IPP) (3*100)	300	331	331	7.91	330	
	Malana HPS (IPP) (2*43)	86	95	88	2.07	86	
	Other Hydro	878	441	439	10.32	430	
	Total HP	1264	867	858	20.29	845	
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	586	586	14.06	586	
	Other Hydro/IPP	560	184	176	4.28	178	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1500	770	762	18.34	764	
Total State Control Area Generation		47619	22825	22656	533.37	22224	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			9316	8825	213.03	8876	
Total Regional Availability(Gross)		72856	52849	49771	1183.16	49298	

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	10920	9197	228.36	9515
State Control Area Hydro		7106	3936	3965	93	3890
Total Regional Hydro		19340	14856	13162	321.72	13405

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)	200	50	250	250	1.61	1.49	0.12
765 KV Gwalior-Agra (D/C)	2743	2623	2939	0	63.90	0.00	63.90
400 KV Zerda-Kankroli	-99	-145	0	248	0.00	3.90	-3.90
400 KV Zerda-Bhinmal	-88	-112	0	242	0.00	3.01	-3.01
220 KV Auraiya-Malanpur	43	-1	0	13	0.69	0.00	0.69
220 KV Badod-Kota/Morak	-23	-5	55	55	0.00	0.10	-0.10
Mundra-Mohindergarh(HVDC Bipole)	2303	2301	2505	0.00	54.45	0.00	54.45
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1297	1084	1444	0	28.48	0.00	28.48
Sub Total WR	6376	5795			149.13	8.51	140.62
Pusauli Bypass/HVDC	200	200	200	0	4.84	0.00	4.84
400 KV MZP- GKP (D/C)	409	537	736	0	11.11	0.00	11.11
400 KV Patna-Balia(D/C) X 2	875	858	904	0	19.11	0.00	19.11
400 KV B'Sharif-Balia (D/C)	200	255	342	0	5.43	0.00	5.43
765 KV Gaya-Balia	288	252	335	0	3.41	0.00	3.41
765 KV Gaya-Varanasi (D/C)	328	303	356	0	6.83	0.00	6.83
220 KV Pusauli-Sahupuri	168	181	197	0	4.15	0.00	4.15
132 KV K'nasa-Sahupuri	-34	-22	0	34	0.00	0.60	-0.60
132 KV Son Ngr-Rihand	0	-11	0	28	0.00	0.29	-0.29
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-90	-47	31	109	0.00	0.80	-0.80
400 KV Barh -GKP (D/C)	596	524	596	0	11.84	0.00	11.84
400 kV B'Sharif - Varanasi (D/C)	0	0	0	0	0.00	0.00	0.00
Sub Total ER	2940	3030			66.72	1.69	65.03
+/- 800 KV BiswanathCharialli-Agra	0	0	1200	0.00	7.38	0.00	7.38
Sub Total NER	0	0			7.38	0.00	7.38
Total IR Exch	9316	8825			223.23	10.19	213.03

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
41.31	3.72	45.03	8.21	20.57	19.52	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
72.76	129.57	202.33	72.41	140.62	213.03	-0.35	11.06	10.71

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	-28	-26	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	0.52	8.87	56.70	78.39	12.20	1.05	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)		
50.14	8.01	49.78	18.23	49.99	0.037	50.14	49.92	21.61	

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	404	0:00	401	4:05	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	414	7:54	390	21:07	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	408	7:58	380	15:52	0.0	8.3	0.0	0.0	0.0
Kanpur	400	411	7:55	389	21:05	0.0	0.3	0.0	0.0	0.0
Dadri	400	412	6:01	388	14:38	0.0	2.1	0.0	0.0	0.0
Ballabgarh	400	418	5:59	388	14:38	0.0	1.7	0.0	0.0	0.0
Bawana	400	414	6:01	389	14:40	0.0	0.8	0.0	0.0	0.0
Bassi	400	414	4:01	387	14:44	0.0	1.7	0.0	0.0	0.0
Hissar	400	411	5:59	388	14:25	0.0	2.6	0.0	0.0	0.0
Moga	400	409	8:02	389	14:43	0.0	0.8	0.0	0.0	0.0
Abdullapur	400	410	5:31	389	14:53	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	414	3:21	390	14:27	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	410	7:11	393	14:36	0.0	0.0	0.0	0.0	0.0
Wagoora	400	408	6:02	384	20:44	0.0	14.6	0.0	0.0	0.0
Amritsar	400	416	5:43	398	14:38	0.0	0.0	0.0	0.0	0.0
Kashipur	400	415	7:56	403	14:43	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	412	2:38	393	14:51	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	416	7:59	392	1:10	0.0	0.0	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	772	8:00	724	21:07	1.3	22.3	0.0	0.0	1.3
Balia	765	773	8:02	729	21:07	0.0	6.5	0.0	0.0	0.0
Moga	765	775	2:16	746	14:40	0.0	0.0	0.0	0.0	0.0
Agra	765	769	19:00	731	14:40	0.0	12.2	0.0	0.0	0.0
Bhiwani	765	791	8:03	746	14:37	0.0	0.0	0.0	0.0	0.0
Unnao	765	763	8:05	720	21:06	3.9	53.0	0.0	0.0	3.9
Lucknow	765	782	8:02	737	21:08	0.0	1.1	0.0	0.0	0.0
Meerut	765	799	8:00	750	14:40	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	783	6:00	738	14:37	0.0	2.4	0.0	0.0	0.0
Bareilly 765 kV	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Anta	765	782	6:00	749	14:36	0.0	0.0	0.0	0.0	0.0
Phagi	765	781	4:03	742	14:36	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	479.55	447.73	488.06	671.08	988.43	959.03
Pong	426.72	384.05	390.89	63.75	405.87	370.28	263.46	118.05
Tehri	829.79	740.04	749.25	45.85	742.45	11.53	309.46	245.00
Koteswar	612.50	598.50	610.42	4.69	609.47	4.44	245.00	218.60
Chamera-I	760.00	748.75	751.47	0.00	0.00	0.00	285.94	222.61
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	504.17	7.08	522.70	8.47	257.49	332.43

* 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	680	846	0	887	725	0	21.03	20.08	41.10
Delhi	528	145	0	705	-192	0	16.15	1.40	17.55
Haryana	1052	349	0	941	335	0	23.68	7.96	31.64
HP	-1131	-351	0	-879	-399	0	-23.09	-8.51	-31.60
J&K	-623	-10	0	-572	50	0	-17.11	-0.93	-18.04
CHD	0	0	0	0	0	0	0.35	0.20	0.55
Rajasthan	-414	522	0	-414	487	0	-9.93	12.07	2.14
UP	1275	0	0	1214	0	0	27.79	0.00	27.79
Uttarakhand	44	0	0	46	151	0	1.08	0.90	1.99
Total	1412	1501	0	1929	1155	0	39.96	33.17	73.12

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1222	680	1014	724	0	0
Delhi	892	507	493	-325	0	0
Haryana	1193	851	389	170	0	0
HP	-876	-1133	-288	-561	0	0
J&K	-572	-1001	50	-126	0	0
CHD	44	0	25	0	0	0
Rajasthan	-414	-414	525	126	0	0
UP	1389	1036	0	0	0	0
Uttarakhand	46	44	154	0	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	4.86%
ER	0.00%
Simultaneous	19.10%

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

WR	21.18%
ER	0.00%
Simultaneous	47.57%

(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 24.06.2016 :

XV. Synchronisation of new generating units :

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

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.