

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 27.06.2016
Date of Reporting : 28.06.2016



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
47810	1240	49049	50.08	48538	2180	50719	50.03	1148.6	22.11

*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	93.95	15.01		108.97	116.67	114.10	-2.57	223.07	0.00
Haryana	56.77	0.83		57.60	128.00	125.97	-2.03	183.57	0.00
Rajasthan	122.34	0.00	13.31	135.65	55.44	54.98	-0.46	190.63	0.00
Delhi	21.73			21.73	101.50	101.33	-0.17	123.07	0.05
UP	134.65	19.50		154.15	162.06	166.31	4.25	320.45	13.92
Uttarakhand		21.14		21.14	20.25	21.28	1.03	42.42	0.22
HP		20.42		20.42	6.21	6.64	0.44	27.06	0.00
J & K		17.61	0.00	17.61	20.21	14.09	-6.12	31.70	7.92
Chandigarh				0.00	6.40	6.65	0.27	6.65	0.00
Total	429.44	94.51	13.31	537.26	616.73	611.36	-5.36	1148.62	22.11

* 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	9115	0	-292	1862	9620	0	34	1480	9770	16:00	0
Haryana	7969	0	-277	1376	7875	0	24	1504	8710	21:00	0
Rajasthan	6812	0	-249	-72	8047	0	363	68	8488	8:00	0
Delhi	4991	0	29	461	5259	0	83	476	5917	24:00	0
UP	13811	710	149	1216	13584	1850	329	1256	14126	23:00	2170
Uttarakhand	1947	75	8	190	1580	0	82	44	1945	20:00	75
HP	1053	0	-6	-1167	998	0	48	-1383	1281	11:00	0
J&K	1819	455	-23	-512	1321	330	-78	-339	1819	20:00	455
Chandigarh	293	0	18	0	255	0	22	0	330	16:00	0
Total	47810	1240	-645	3355	48538	2180	905	3106	49900	23:00	2498

\$ 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 (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	1890	1996	2060	44.39	1850	43.76		0.63
Rihand I STPS (2*500)	1000	465	444	510	10.78	449	10.67		0.10
Rihand II STPS (2*500)	1000	946	949	1037	21.72	905	21.57		0.15
Rihand III STPS (2*500)	1000	938	892	1027	21.72	905	21.76		-0.04
Dadri I STPS (4*210)	840	805	435	340	7.83	326	8.14		-0.32
Dadri II STPS (2*490)	980	960	988	773	18.30	762	19.52		-1.22
Unchahar I TPS (2*210)	420	350	320	312	6.90	288	7.50		-0.60
Unchahar II TPS (2*210)	420	400	340	358	7.13	297	7.87		-0.74
Unchahar III TPS (1*210)	210	200	174	157	3.46	144	3.83		-0.37
ISTPP (Jhajjar) (3*500)	1500	1425	1225	1093	24.80	1033	25.72		-0.92
Dadri GPS (4*130.19+2*154.51)	830	786	174	191	4.24	177	4.42		-0.18
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	0.05	2	0.04		0.01
Singrauli Solar(15)	15	2	0	0	0.07	3	0.06		0.02
KHEP(4*200)	800	855	852	851	20.54	856	20.52		0.02
Sub Total (A)	12112	11055	8789	8709	192	7998	195		-3.46
B. NPC									
NAPS (2*220)	440	377	412	424	9.08	378	9.05		0.03
RAPS- B (2*220)	440	369	410	412	8.78	366	8.86		-0.08
RAPS- C (2*220)	440	410	437	441	9.32	388	9.84		-0.52
Sub Total (B)	1320	1156	1259	1277	27.18	1132	27.74		-0.57
C. NHPC									
Chamera I HPS (3*180)	540	540	543	365	10.64	443	10.50		0.15
Chamera II HPS (3*100)	300	301	309	202	7.17	299	7.22		-0.05
Chamera III HPS (3*77)	231	225	234	234	5.54	231	5.39		0.15
Bairasuli HPS(3*60)	180	131	127	122	2.02	84	1.97		0.05
Salal-HPS (6*115)	690	438	675	0	10.86	453	10.50		0.36
Tanakpur-HPS (3*31.4)	94	66	81	74	1.75	73	1.56		0.18
Uri-I HPS (4*120)	480	474	478	474	11.51	479	11.37		0.14
Uri-II HPS (4*60)	240	237	239	238	5.69	237	5.69		0.00
Dhauliganga-HPS (4*70)	280	280	289	268	6.72	280	6.70		0.03
Dulhasti-HPS (3*130)	390	357	400	268	8.72	363	8.62		0.10
Sewa-II HPS (3*40)	120	119	128	0	0.40	17	0.40		0.00
Parbati 3 (4*130)	520	390	390	0	3.73	155	3.65		0.07
Sub Total (C)	4065	3557	3893	2245	75	3115	74		1.17
D. SJVNL									
NJPC (6*250)	1500	1605	1626	1612	38.51	1605	38.52		-0.01
Rampur HEP (6*68.67)	412	425	444	372	10.37	432	10.21		0.16
Sub Total (D)	1912	2030	2070	1984	48.88	2037	48.73		0.15
E. THDC									
Tehri HPS (4*250)	1000	576	590	146	6.50	271	6.30		0.20
Koteshwar HPS (4*100)	400	135	399	91	3.23	135	3.25		-0.02
Sub Total (E)	1400	711	989	237	9.73	405	9.55		0.18
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	1047	1293	899	25.30	1054	25.12		0.18
Dehar HPS (6*165)	990	619	825	600	14.79	616	14.85		-0.06
Pong HPS (6*66)	396	71	144	48	1.66	69	1.70		-0.05
Sub Total (F)	2765	1736	2262	1547	41.75	1740	41.67		0.08
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	145	162	3.66	152	3.45		0.21
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.15	1089	26.13		0.01
Malana Stg-II HPS (2*50)	100	0	111	112	2.57	107	2.40		0.17
Shree Cement TPS (2*150)	300	0	290	292	6.00	250	6.70		-0.70
Budhil HPS(IPP) (2*35)	70	0	38	38	0.90	37	0.90		0.00
Sub Total (G)	1662	0	1685	1704	39.27	1636	39.59		-0.31
H. Total Regional Entities (A-G)	25237	20247	20947	17703	433.51	18063	436.27		-2.75

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	710	1050	20.86	869
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	290	290	6.74	281
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	792	819	18.57	774
	Goindwal(GVK) (2*270)	540	0	0	-0.04	-2
	Rajpura (2*700)	1400	1020	1320	25.87	1078
	Talwandi Saboo (3*660)	1980	950	1150	21.96	915
	Thermal (Total)	6560	3762	4629	93.95	3915
	Total Hydro	1000	656	649	15.01	626
	Total Punjab	7560	4418	5278	108.97	4540
	Haryana	Panipat TPS (2*210+2*250)	920	793	758	18.01
DCRTPP (Yamuna nagar) (2*300)		600	542	557	11.54	481
Faridabad GPS (NTPC)(2*137.75+1*156)		432	184	185	4.17	174
RGTPP (khedar) (IPP) (2*600)		1200	414	374	9.84	410
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	808	372	13.21	550
Thermal (Total)		4497	2741	2246	56.77	2365
Total Hydro		62	36	33	0.83	35
Total Haryana		4559	2777	2279	57.60	2400
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	918	967	23.06
	suratgarh TPS (6*250)	1500	936	905	22.10	921
	Chabra TPS (4*250)	1000	600	454	13.62	568
	Dholpur GPS (3*110)	330	85	85	2.13	89
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	68	136	2.82	117
	RAPS A (NPC) (1*100+1*200)	300	137	135	3.38	141
	Barsingsar (NLC) (2*125)	250	193	190	4.41	184
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	459	609	14.40	600
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	409	506	10.41	434
	Kawai(Adani) (2*660)	1320	865	915	26.02	1084
	Thermal (Total)	8876	4670	4902	122	5098
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	562	253	10.52	438
	Biomass	99	21	21	0.51	21
	Solar	730	0	0	2.28	95
	Renewable/Others (Total)	4043	583	274	13.31	554
	Total Rajasthan	13469	5253	5176	135.65	5652
	UP	Anpara TPS (3*210+2*500)	1630	1282	1353	31.82
Obra TPS (2*50+2*94+5*200)		1194	443	414	9.50	396
Paricha TPS (2*110+2*220+2*250)		1160	864	851	20.50	854
Panki TPS (2*105)		210	54	0	0.60	25
Harduaganj TPS (1*60+1*105+2*250)		665	225	448	9.80	408
Tanda TPS (NTPC) (4*110)		440	385	375	9.06	378
Roza TPS (IPP) (4*300)		1200	918	548	16.00	667
Anpara-C (IPP) (2*600)		1200	1080	1089	25.90	1079
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0
Anpara-D(2*500)		1000	410	365	9.06	378
Lalitpur TPS(3*660)		1980	0	0	0.00	0
Bara(2*660)		1320	0	0	0.00	0
Thermal (Total)		12449	5661	5443	132	5510
Vishnuparyag HPS (IPP)(4*110)		440	326	435	8.60	358
Alaknanda(4*82.5)		330	334	321	7.30	304
Other Hydro		527	255	161	3.60	150
Cogeneration		981	100	100	2.40	100
Total UP		14727	6676	6460	154	6423
Uttarakhand		Total Hydro	1398	878	750	21.14
	Total Gas	225	0	0	0.00	0
	Total Uttarakhand	1623	878	750	21	881
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	144	145	3.52	147
	Pragati Gas Turbine (2x104+ 1x122)	330	276	260	6.04	252
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	254	0	6.01	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	332	330	6.19	258
	Thermal (Total)	2917	1006	735	21.73	906
	Total Delhi	2917	1006	735	21.73	906
HP	Baspa HPS (IPP) (3*100)	300	331	331	7.72	322
	Malana HPS (IPP) (2*43)	86	96	96	2.21	92
	Other Hydro	878	410	453	10.49	437
	Total HP	1264	837	880	20.42	851
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	586	586	14.06	586
	Other Hydro/IPP	560	150	148	3.54	148
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	736	734	17.61	734
Total State Control Area Generation		47619	22581	22292	537.26	22386
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7329	9330	203.96	8498
Total Regional Availability(Gross)		72856	50857	49325	1174.74	48948

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	11423	8238	228.03	9501
State Control Area Hydro		7106	4058	3963	95	3938
Total Regional Hydro		19340	15481	12201	322.54	13439

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	4.79	0.00	4.79
765 KV Gwalior-Agra (D/C)	2631	3033	3033	0	60.74	0.00	60.74
400 KV Zerda-Kankroli	-213	-147	0	363	0.00	5.28	-5.28
400 KV Zerda-Bhinmal	11	-76	24	254	0.00	2.33	-2.33
220 KV Auraiya-Malanpur	13	80	0	10	1.06	0.00	1.06
220 KV Badoi-Kota/Morak	-89	23	28	98	0.00	-0.79	0.79
Mundra-Mohindergarh(HVDC Bipole)	1792	2500	2515	0.00	52.06	0.00	52.06
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	909	1400	1400	0	27.12	0.00	27.12
Sub Total WR	5304	7063			145.77	6.83	138.94
Pusauli Bypass/HVDC	200	200	200	0	4.88	0.00	4.88
400 KV MZP- GKP (D/C)	156	330	390	0	7.05	0.00	7.05
400 KV Patna-Balia(D/C) X 2	557	647	747	0	15.45	0.00	15.45
400 KV B'Sharif-Balia (D/C)	94	71	176	0	2.62	0.00	2.62
765 KV Gaya-Balia	324	228	324	0	3.33	0.00	3.33
765 KV Gaya-Varanasi (D/C)	-222	-275	344	0	5.90	0.00	5.90
220 KV Pusauli-Sahupuri	180	160	207	0	4.46	0.00	4.46
132 KV K'nasa-Sahupuri	-27	0	0	6	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-34	-18	0	-36	0.00	-0.46	0.46
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-159	-128	0	181	0.00	2.51	-2.51
400 KV Barh -GKP (D/C)	456	552	584	0	11.90	0.00	11.90
400 kV B'Sharif - Varanasi (D/C)	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1525	1767			55.59	2.05	53.55
+/- 800 KV BiswanathCharialli-Agra	500	500	500	0.00	11.48	0.00	11.48
Sub Total NER	500	500			11.48	0.00	11.48
Total IR Exch	7329	9330			212.84	8.87	203.96

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
41.01	2.79	43.79	6.10	26.56	20.97	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
70.86	131.89	202.75	65.02	138.94	203.96	-5.84	7.05	1.22

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	-26	-30	0	30	0	1	-0.57

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	0.21	5.21	47.81	75.95	16.49	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)		
50.15	13.02	49.74	19.12	50.00	0.034	0.058	50.20	49.97	24.05

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	404	0:00	400	0:24	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	6:04	402	21:06	0.0	0.0	0.4	0.0	0.4
Bareilly(PG)400kV	400	411	8:41	395	23:03	0.0	0.0	0.0	0.0	0.0
Kanpur	400	412	8:23	398	11:22	0.0	0.0	0.0	0.0	0.0
Dadri	400	410	19:01	396	11:17	33.0	33.0	0.0	0.0	33.0
Ballabgarh	400	414	8:31	396	11:21	0.0	0.0	0.0	0.0	0.0
Bawana	400	415	6:01	398	14:29	0.0	0.0	0.0	0.0	0.0
Bassi	400	418	18:29	396	11:13	0.0	0.0	0.0	0.0	0.0
Hissar	400	411	19:01	398	0:00	0.0	0.0	0.0	0.0	0.0
Moga	400	411	6:01	397	16:42	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	409	18:52	398	19:36	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	418	6:02	404	16:36	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	410	8:23	395	20:12	0.0	0.0	0.0	0.0	0.0
Wagoora	400	405	8:23	383	20:38	0.0	13.2	0.0	0.0	0.0
Amritsar	400	418	9:04	401	16:40	0.0	0.0	0.0	0.0	0.0
Kashipur	400	418	6:03	407	11:18	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	415	8:03	394	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	429	6:15	403	10:20	0.0	0.0	18.0	0.0	18.0

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	6:02	752	11:24	0.0	0.0	0.0	0.0	0.0
Balia	765	786	6:04	750	21:07	0.0	0.0	0.0	0.0	0.0
Moga	765	786	18:31	763	16:37	0.0	0.0	0.0	0.0	0.0
Agra	765	783	18:59	752	11:24	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	800	18:28	763	22:24	0.0	0.0	0.0	0.0	0.0
Unnao	765	768	8:01	736	12:22	0.0	18.7	0.0	0.0	0.0
Lucknow	765	795	6:04	756	11:16	0.0	0.0	0.0	0.0	0.0
Meerut	765	800	18:29	771	10:20	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	788	6:00	759	0:00	0.0	0.0	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	787	18:30	760	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	787	6:02	757	0:09	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	479.66	454.47	488.45	690.35	1008.53	961.53
Pong	426.72	384.05	391.33	72.04	406.16	379.44	354.10	144.13
Tehri	829.79	740.04	752.20	63.22	747.80	39.27	482.96	229.00
Koteswar	612.50	598.50	609.95	4.44	609.97	4.44	229.00	216.40
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	251.84	291.42
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1146.00	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	503.60	6.52	522.91	10.44	223.75	328.98

* 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	748	732	0	766	1096	0	22.26	19.24	41.49
Delhi	430	46	0	577	-116	0	13.53	3.64	17.17
Haryana	1252	252	0	1087	289	0	28.05	6.54	34.59
HP	-1129	-254	0	-877	-290	0	-23.04	-7.02	-30.06
J&K	-622	283	0	-571	60	0	-16.51	1.20	-15.31
CHD	0	0	0	0	0	0	0.35	0.13	0.48
Rajasthan	-413	480	0	-413	341	0	-9.91	10.77	0.86
UP	1256	0	0	1216	0	0	28.14	0.00	28.14
Uttarakhand	44	0	0	46	144	0	1.06	0.76	1.83
Total	1566	1540	0	1831	1523	0	43.94	35.26	79.20

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1431	728	1265	692	0	0
Delhi	676	430	567	-196	0	0
Haryana	1377	1038	331	86	0	0
HP	-873	-1131	-206	-408	0	0
J&K	-571	-848	298	-65	0	0
CHD	44	0	39	0	0	0
Rajasthan	-413	-413	483	64	0	0
UP	1365	1038	0	0	0	0
Uttarakhand	46	43	153	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	3.13%
ER	0.00%
Simultaneous	4.86%

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

WR	20.49%
ER	0.00%
Simultaneous	31.94%

(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:

0.00

XIV. Weather Conditions For 27.06.2016 :

XV. Synchronisation of new generating units :

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

1. 400kV Bay no. 425, 426, 427 along with 220kV Bay no. 214 at Jalandhar first time charged at 1340Hrs of 27.06.2016

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.