

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 25.06.2016
Date of Reporting : 26.06.2016



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
49073	2015	51088	50.08	49454	1888	51341	50.03	1170.3	31.72

*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	102.42	15.16		117.57	124.29	124.54	0.25	242.12	0.00
Haryana	53.16	0.77		53.93	130.56	130.17	-0.39	184.10	7.43
Rajasthan	131.43	0.00	8.89	140.31	58.40	59.38	0.98	199.69	0.39
Delhi	16.84			16.84	105.20	103.38	-1.82	120.23	0.06
UP	136.19	21.36		157.55	156.54	158.13	1.59	315.68	15.26
Uttarakhand		18.80		18.80	19.95	21.06	1.11	39.85	0.47
HP		20.42		20.42	5.77	7.25	1.48	27.67	0.00
J & K		18.32	0.00	18.32	20.04	16.09	-3.96	34.40	8.11
Chandigarh				0.00	6.18	6.61	0.27	6.61	0.00
Total	440.04	94.83	8.89	543.75	626.93	626.60	-0.48	1170.35	31.72

* 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	10145	0	-150	1900	9352	0	-106	1594	10528	21:00	0
Haryana	8031	90	-200	1266	8316	0	57	1437	8612	24:00	109
Rajasthan	7435	0	-82	-258	8437	0	-117	92	9108	1:00	0
Delhi	5070	0	301	593	4797	5	-337	609	5905	17:00	0
UP	13458	1450	143	1214	14178	1595	359	1275	14370	2:00	850
Uttarakhand	1854	40	115	202	1479	0	-28	45	1913	21:00	75
HP	1050	0	26	-1312	1011	0	30	-1487	1312	11:00	0
J&K	1740	435	-109	-513	1630	288	140	-588	1740	20:00	435
Chandigarh	290	0	19	0	254	0	20	0	322	15:00	0
Total	49073	2015	63	3093	49454	1888	18	2975	50892	23:00	2481

* 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	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	1895	2051	2048	45.77	1907	45.27	0.49
Rihand I STPS (2*500)	1000	454	517	505	10.92	455	10.82	0.11
Rihand II STPS (2*500)	1000	946	1030	980	22.74	947	22.54	0.20
Rihand III STPS (2*500)	1000	943	999	980	22.29	929	22.34	-0.05
Dadri I STPS (4*210)	840	805	399	426	8.59	358	9.08	-0.48
Dadri II STPS (2*490)	980	960	794	931	19.80	825	20.59	-0.79
Unchahar I TPS (2*210)	420	350	337	326	7.01	292	7.76	-0.75
Unchahar II TPS (2*210)	420	400	428	371	8.04	335	8.68	-0.64
Unchahar III TPS (1*210)	210	200	202	174	3.98	166	4.30	-0.32
ISTPP (Jhajjar) (3*500)	1500	1425	1256	1264	25.37	1057	26.23	-0.86
Dadri GPS (4*130.19+2*154.51)	830	789	180	190	4.27	178	4.39	-0.12
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	0.00	0	0.02	-0.02
Unchahar Solar(10)	10	1	0	0	0.04	2	0.03	0.02
Singrauli Solar(15)	15	2	0	0	0.06	3	0.06	0.00
KHEP(4*200)	800	855	852	850	20.47	853	20.52	-0.05
Sub Total (A)	12112	11056	9045	9045	199	8306	203	-3.28
B. NPC								
NAPS (2*220)	440	383	414	423	9.07	378	9.19	-0.12
RAPS- B (2*220)	440	369	414	415	8.85	369	8.86	-0.01
RAPS- C (2*220)	440	410	433	437	9.32	388	9.84	-0.52
Sub Total (B)	1320	1162	1261	1275	27.24	1135	27.89	-0.65
C. NHPC								
Chamera I HPS (3*180)	540	540	546	38	9.12	380	9.00	0.13
Chamera II HPS (3*100)	300	301	308	304	7.16	298	7.22	-0.06
Chamera III HPS (3*77)	231	225	222	228	5.41	225	5.40	0.01
Bairasuli HPS(3*60)	180	120	120	122	2.16	90	2.11	0.05
Salal-HPS (6*115)	690	662	675	666	15.99	666	15.88	0.11
Tanakpur-HPS (3*31.4)	94	57	62	83	1.61	67	1.35	0.26
Uri-I HPS (4*120)	480	474	476	478	11.54	481	11.37	0.17
Uri-II HPS (4*60)	240	228	239	239	5.42	226	5.47	-0.05
Dhauliganga-HPS (4*70)	280	280	284	284	6.73	281	6.69	0.04
Dulhasti-HPS (3*130)	390	258	273	271	6.34	264	6.19	0.15
Sewa-II HPS (3*40)	120	119	129	0	0.71	30	0.60	0.11
Parbati 3 (4*130)	520	375	391	0	3.59	150	3.51	0.08
Sub Total (C)	4065	3639	3726	2714	76	3158	75	1.00
D. SJVNL								
NJPC (6*250)	1500	1605	1620	1616	38.55	1606	38.52	0.04
Rampur HEP (6*68.67)	412	439	447	448	10.72	447	10.54	0.18
Sub Total (D)	1912	2044	2067	2064	49.28	2053	49.06	0.22
E. THDC								
Tehri HPS (4*250)	1000	560	568	421	6.05	252	5.90	0.15
Koteshwar HPS (4*100)	400	135	297	91	3.18	133	3.14	0.05
Sub Total (E)	1400	695	865	512	9.24	385	9.04	0.20
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	1059	1296	898	25.50	1062	25.40	0.10
Dehar HPS (6*165)	990	618	825	600	15.03	626	14.84	0.19
Pong HPS (6*66)	396	61	144	0	1.48	62	1.46	0.02
Sub Total (F)	2765	1738	2265	1498	42.01	1750	41.71	0.30
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	230	168	3.91	163	4.22	-0.31
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.30	1096	26.13	0.17
Malana Stg-II HPS (2*50)	100	0	111	95	2.37	99	2.22	0.14
Shree Cement TPS (2*150)	300	0	299	287	6.90	288	6.87	0.04
Budhil HPS(IPP) (2*35)	70	0	38	38	0.90	37	0.90	0.00
Sub Total (G)	1662	0	1777	1687	40.38	1683	40.35	0.03
H. Total Regional Entities (A-G)	25237	20335	21006	18795	443.28	18470	445.47	-2.19

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	1050	850	21.57	899	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	306	290	5.91	246	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	817	816	20.22	842	
	Goindwal(GVK) (2*270)	540	0	0	-0.04	-1	
	Rajpura (2*700)	1400	1320	1320	31.19	1300	
	Talwandi Saboo (3*660)	1980	1150	1000	23.57	982	
	Thermal (Total)	6560	4643	4276	102.42	4267	
	Total Hydro	1000	596	663	15.16	632	
	Total Punjab	7560	5239	4939	117.57	4899	
	Haryana	Panipat TPS (2*210+2*250)	920	539	578	13.03	543
DCRTPP (Yamuna nagar) (2*300)		600	474	559	12.38	516	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	181	182	4.12	172	
RGTPP (khedar) (IPP) (2*600)		1200	381	575	11.55	481	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	378	565	12.10	504	
Thermal (Total)		4497	1953	2459	53.16	2215	
Total Hydro		62	34	34	0.77	32	
Total Haryana		4559	1987	2493	53.93	2247	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	932	975	23.63	985
	suratgarh TPS (6*250)	1500	1107	981	24.32	1014	
	Chabra TPS (4*250)	1000	406	398	9.00	375	
	Dholpur GPS (3*110)	330	78	75	2.12	88	
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	116	138	3.29	137	
	RAPS A (NPC) (1*100+1*200)	300	136	139	3.41	142	
	Barsingar (NLC) (2*125)	250	179	193	4.38	183	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	638	884	20.58	858	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	408	556	12.34	514	
	Kawai(Adani) (2*660)	1320	889	1200	28.36	1182	
	Thermal (Total)	8876	4889	5539	131	5476	
	Total Hydro	550	0	0	0.00	0	
	Wind power	3214	232	326	8.36	348	
	Biomass	99	22	22	0.53	22	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	254	348	8.89	370	
	Total Rajasthan	13469	5143	5887	140.31	5846	
	UP	Anpara TPS (3*210+2*500)	1630	1353	1358	32.30	1346
Obra TPS (2*50+2*94+5*200)		1194	464	446	11.80	492	
Paricha TPS (2*110+2*220+2*250)		1160	867	883	21.50	896	
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaganj TPS (1*60+1*105+2*250)		665	441	445	10.40	433	
Tanda TPS (NTPC) (4*110)		440	392	380	8.89	370	
Roza TPS (IPP) (4*300)		1200	549	540	12.20	508	
Anpara-C (IPP) (2*600)		1200	1080	1080	25.70	1071	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	108	122	1.60	67	
Anpara-D(2*500)		1000	204	204	4.30	179	
Lalitpur TPS(3*660)		1980	0	0	0.00	0	
Bara(2*660)		1320	0	533	5.10	213	
Thermal (Total)		12449	5458	5991	134	5575	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.50	438	
Alaknanda(4*82.5)		330	281	338	7.70	321	
Other Hydro		527	176	233	3.16	132	
Cogeneration		981	100	100	2.40	100	
Total UP		14727	6450	7097	158	6565	
Uttarakhand		Total Hydro	1398	808	697	18.80	783
		Total Gas	225	0	0	0.00	0
	Total Uttarakhand	1623	808	697	19	783	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1	
	Delhi Gas Turbine (6x30 + 3x34)	282	133	67	2.72	113	
	Pragati Gas Turbine (2x104+ 1x122)	330	305	308	7.07	294	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	-4	-5	-0.09	-4	
	Badarpur TPS (NTPC) (3*95+2*210)	705	319	317	7.16	298	
	Thermal (Total)	2917	753	687	16.84	702	
	Total Delhi	2917	753	687	16.84	702	
HP	Baspa HPS (IPP) (3*100)	300	332	302	7.89	329	
	Malana HPS (IPP) (2*43)	86	95	86	2.16	90	
	Other Hydro	878	426	440	10.37	432	
	Total HP	1264	853	828	20.42	851	
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	585	585	14.04	585	
	Other Hydro/IPP	560	184	176	4.28	178	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1500	769	761	18.32	763	
Total State Control Area Generation		47619	22002	23389	543.75	22656	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7011	8945	204.34	8514	
Total Regional Availability(Gross)		72856	50019	51130	1191.36	49640	

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	11215	9001	229.37	9557
State Control Area Hydro		7106	3952	3989	95	3951
Total Regional Hydro		19340	15167	12990	324.19	13508

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	250	250	-50	4.65	0.04	4.60
765 KV Gwalior-Agra (D/C)	2634	2979	3069	0	64.22	0.00	64.22
400 KV Zerda-Kankroli	-60	-139	0	214	0.00	2.93	-2.93
400 KV Zerda-Bhinmal	-22	-91	64	229	0.00	1.89	-1.89
220 KV Auraiya-Malanpur	26	17	0	13	0.82	0.00	0.82
220 KV Badod-Kota/Morak	-25	51	78	-59	0.66	0.00	0.66
Mundra-Mohindergarh(HVDC Bipole)	2403	2502	2506	0.00	56.29	0.00	56.29
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1138	1156	1423	0	27.61	0.00	27.61
Sub Total WR	6044	6725			154.26	4.86	149.39
Pusauli Bypass/HVDC	-200	-200	200	0	4.84	0.00	4.84
400 KV MZP- GKP (D/C)	222	521	567	0	10.51	0.00	10.51
400 KV Patna-Balia(D/C) X 2	598	854	889	0	17.67	0.00	17.67
400 KV B'Sharif-Balia (D/C)	78	212	285	0	4.08	0.00	4.08
765 KV Gaya-Balia	311	271	322	0	3.21	0.00	3.21
765 KV Gaya-Varanasi (D/C)	-195	-226	-278	0	-5.82	0.00	-5.82
220 KV Pusauli-Sahupuri	-187	-194	-196	0	4.20	0.00	4.20
132 KV K'nasa-Sahupuri	-26	-33	0	42	0.00	0.59	-0.59
132 KV Son Ngr-Rihand	-26	-16	0	26	0.00	0.38	-0.38
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-124	-96	57	161	0.00	1.14	-1.14
400 KV Barh -GKP (D/C)	516	544	574	0	12.18	0.00	12.18
400 kV B'Sharif - Varanasi (D/C)	0	0	0	0	0.00	0.00	0.00
Sub Total ER	967	1637			50.88	2.11	48.77
+/- 800 KV BiswanathChariali-Agra	0	583	583	0.00	6.17	0.00	6.17
Sub Total NER	0	583			6.17	0.00	6.17
Total IR Exch	7011	8945			211.31	6.97	204.34

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
43.72	3.72	47.43	8.70	21.38	18.86	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
75.00	130.43	205.43	54.94	149.39	204.34	-20.05	18.96	-1.09

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	-30	-22	-30	-30	0	-2	1.51

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	2.63	12.21	55.47	72.41	12.50	2.96	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	6.03	49.71	21.13	49.98	0.056	0.073	50.17	49.88	27.59

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	402	3:18	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	6:11	400	21:11	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	413	7:59	382	14:02	0.0	0.1	0.0	0.0	0.0
Kanpur	400	413	8:02	395	12:16	0.0	0.0	0.0	0.0	0.0
Dadri	400	415	8:02	391	12:21	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	419	8:01	394	12:16	0.0	0.0	0.0	0.0	0.0
Bawana	400	415	8:02	393	11:44	0.0	0.0	0.0	0.0	0.0
Bassi	400	418	18:40	393	11:20	0.0	0.0	0.0	0.0	0.0
Hissar	400	412	8:02	390	11:22	0.0	0.0	0.0	0.0	0.0
Moga	400	409	8:04	391	14:38	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	412	8:02	394	11:20	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	411	6:02	392	11:20	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	408	6:02	393	13:43	0.0	0.0	0.0	0.0	0.0
Wagoora	400	406	6:03	383	20:43	0.0	20.5	0.0	0.0	0.0
Amritsar	400	413	6:03	396	14:34	0.0	0.0	0.0	0.0	0.0
Kashipur	400	417	6:04	406	22:09	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	410	6:06	391	14:33	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	426	6:03	116	11:32	5.4	5.4	11.1	0.0	16.6

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	787	7:48	740	0:09	0.0	0.3	0.0	0.0	0.0
Balia	765	786	7:49	747	20:22	0.0	0.0	0.0	0.0	0.0
Moga	765	788	8:02	752	14:57	0.0	0.0	0.0	0.0	0.0
Agra	765	787	8:02	741	11:20	0.0	0.2	0.0	0.0	0.0
Bhiwani	765	793	8:02	754	11:20	0.0	0.0	0.0	0.0	0.0
Unnao	765	764	8:01	732	12:49	0.0	39.8	0.0	0.0	0.0
Lucknow	765	789	7:52	752	12:17	0.0	0.0	0.0	0.0	0.0
Meerut	765	802	8:01	761	14:52	0.0	0.0	0.4	0.0	0.4
Jhatikara	765	787	8:02	745	11:20	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	781	7:50	740	14:02	0.0	0.1	0.0	0.0	0.0
Phagi	765	786	8:01	748	11:20	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	488.27	680.71	969.45	966.51
Pong	426.72	384.05	391.01	67.89	406.02	370.28	251.20	125.22
Tehri	829.79	740.04	750.10	50.51	742.90	13.70	361.08	217.00
Koteshwar	612.50	598.50	610.32	4.69	611.15	4.95	217.00	209.70
Chamera-I	760.00	748.75	751.92	0.00	0.00	0.00	290.03	250.45
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	503.93	7.07	523.08	9.54	193.36	336.21

* 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	755	838	0	789	1111	0	21.46	22.50	43.96
Delhi	528	81	0	700	-107	0	16.33	1.23	17.56
Haryana	1097	340	0	945	321	0	24.85	7.95	32.80
HP	-1131	-356	0	-879	-433	0	-23.08	-8.77	-31.86
J&K	-623	35	0	-572	60	0	-16.77	0.01	-16.75
CHD	0	0	0	0	0	0	0.35	0.14	0.50
Rajasthan	-414	505	0	-414	156	0	-9.93	8.25	-1.68
UP	1275	0	0	1214	0	0	28.19	0.00	28.19
Uttarakhand	44	0	0	46	156	0	0.89	0.89	1.78
Total	1532	1443	0	1830	1263	0	42.30	32.21	74.51

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1212	730	1194	716	0	0
Delhi	867	528	387	-294	0	0
Haryana	1243	887	368	83	0	0
HP	-875	-1133	-287	-576	0	0
J&K	-572	-925	60	-65	0	0
CHD	44	0	25	0	0	0
Rajasthan	-414	-414	505	-54	0	0
UP	1389	1041	0	0	0	0
Uttarakhand	46	-55	158	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	11.81%
ER	0.00%
Simultaneous	24.31%

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

WR	53.82%
ER	0.00%
Simultaneous	68.75%

(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:

400 kV Dehar-Rajpura-Bhiwani(BBMB) line first time charged at 1955 Hrs on 25.06.2016 after LILO of 400 kV Dehar-Bhiwani at Rajpura.

XIV. Weather Conditions For 25.06.2016 :

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.