

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 07.08.2016
Date of Reporting : 08.08.2016



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
43190	388	43578	50.05	43064	238	43302	50.03	1019.0	6.97

*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	63.56	13.56		77.13	113.79	112.64	-1.15	189.76	0.00
Haryana	30.33	1.00		31.34	142.85	140.85	-2.00	172.18	0.00
Rajasthan	88.68	3.04	8.11	99.82	65.16	64.90	-0.26	164.73	0.00
Delhi	18.64			18.64	82.15	82.03	-0.12	100.67	0.01
UP	131.59	21.71		153.30	149.01	148.68	-0.32	301.98	0.49
Uttarakhand		20.19		20.43	16.51	15.99	-0.52	36.42	0.00
HP		24.82		24.82	-5.08	-1.33	3.75	23.49	0.20
J & K		21.92	0.00	21.92	7.23	3.19	-4.03	25.11	6.28
Chandigarh				0.00	5.65	4.65	-0.99	4.65	0.00
Total	332.80	106.25	8.11	447.39	577.25	571.60	-5.66	1018.99	6.97

* 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	8151	0	-159	1375	7506	0	-8	1739	8712	22:00	0
Haryana	7519	0	-227	1701	7637	0	87	2273	8262	21:00	0
Rajasthan	6805	0	0	338	7108	0	-96	368	7499	24:00	0
Delhi	4211	0	-109	543	4233	0	122	458	5308	24:00	0
UP	12267	0	-437	1106	12992	0	-283	1416	13830	1:00	1270
Uttarakhand	1664	0	110	-16	1535	0	-16	-101	1664	20:00	0
HP	899	25	83	-1711	906	0	100	-1795	1163	10:00	0
J&K	1452	363	-31	-598	952	238	-125	-1184	1452	20:00	363
Chandigarh	223	0	-19	-10	195	0	-25	0	230	22:00	0
Total	43190	388	-790	2727	43064	238	-244	3175	46177	24:00	201

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

Diversity is: 1.04

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 [OG:(+ve), UG: (-ve)]	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1829	1990	2030	44.11	1838	43.66		0.45
Rihand I STPS (2*500)	1000	608	527	799	13.76	573	13.31		0.45
Rihand II STPS (2*500)	1000	963	1024	938	20.86	869	20.69		0.17
Rihand III STPS (2*500)	1000	963	1021	888	20.94	873	21.17		-0.23
Dadri I STPS (4*210)	840	805	301	419	7.41	309	7.35		0.06
Dadri II STPS (2*490)	980	960	828	733	17.48	728	18.26		-0.78
Unchahar I TPS (2*210)	420	350	388	340	7.04	293	7.24		-0.20
Unchahar II TPS (2*210)	420	400	433	388	7.82	326	8.15		-0.33
Unchahar III TPS (1*210)	210	200	208	193	3.72	155	3.95		-0.23
ISTPP (Jhajjar) (3*500)	1500	1425	1218	952	22.04	919	22.54		-0.49
Dadri GPS (4*130.19+2*154.51)	830	774	385	301	7.10	296	7.72		-0.62
Anta GPS (3*88.71+1*153.2)	419	402	220	202	4.87	203	4.94		-0.08
Auraiya GPS (4*111.19+2*109.30)	663	634	269	278	5.56	232	5.74		-0.18
Dadri Solar(5)	5	1	0	0	0.02	1	0.03		0.00
Unchahar Solar(10)	10	1	0	0	0.03	1	0.02		0.01
Singrauli Solar(15)	15	1	0	0	0.00	0	0.03		-0.02
KHEP(4*200)	800	855	853	850	20.53	856	20.52		0.01
Sub Total (A)	12112	11172	9665	9311	203	8471	205		-2.00
B. NPC									
NAPS (2*220)	440	384	422	418	9.25	386	9.22		0.04
RAPS- B (2*220)	440	177	177	177	4.25	177	4.25		0.00
RAPS- C (2*220)	440	410	430	428	9.28	386	9.84		-0.56
Sub Total (B)	1320	971	1029	1023	22.78	949	23.30		-0.53
C. NHPC									
Chamera I HPS (3*180)	540	540	551	542	13.09	545	12.96		0.13
Chamera II HPS (3*100)	300	301	307	304	7.25	302	7.22		0.03
Chamera III HPS (3*77)	231	229	229	229	5.42	226	5.51		-0.09
Bairasuli HPS(3*60)	180	54	0	181	1.33	55	1.31		0.03
Salal-HPS (6*115)	690	200	0	670	4.53	189	5.02		-0.49
Tanakpur-HPS (3*31.4)	94	62	64	64	1.54	64	1.48		0.06
Uri-I HPS (4*120)	480	395	416	406	9.71	404	9.49		0.22
Uri-II HPS (4*60)	240	224	237	235	5.47	228	5.37		0.10
Dhauliganga-HPS (4*70)	280	210	209	214	5.04	210	5.04		0.00
Dulhasti-HPS (3*130)	390	381	394	391	9.20	383	9.14		0.06
Sewa-II HPS (3*40)	120	57	0	128	1.40	58	1.42		-0.02
Parbati 3 (4*130)	520	520	524	126	7.27	303	7.22		0.05
Sub Total (C)	4065	3173	2930	3488	71	2969	71		0.10
D. SJVNL									
NJPC (6*250)	1500	0	0	0	0.00	0	0.88		-0.88
Rampur HEP (6*68.67)	412	0	0	0	0.00	0	0.00		0.00
Sub Total (D)	1912	0	0	0	0.00	0	0.88		-0.88
E. THDC									
Tehri HPS (4*250)	1000	944	947	943	22.70	946	22.66		0.05
Koteshwar HPS (4*100)	400	350	403	276	8.44	352	8.40		0.04
Sub Total (E)	1400	1294	1350	1219	31.14	1297	31.06		0.08
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	835	1319	659	20.06	836	20.03		0.03
Dehar HPS (6*165)	990	608	825	590	14.72	613	14.59		0.13
Pong HPS (6*66)	396	75	198	0	1.70	71	1.80		-0.10
Sub Total (F)	2765	1518	2342	1249	36.47	1520	36.42		0.05
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	230	230	5.50	229	5.31		0.20
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	0	0	3.00	125	11.96		-8.96
Malana Stg-II HPS (2*50)	100	0	112	112	2.65	110	2.50		0.14
Shree Cement TPS (2*150)	300	0	148	144	3.46	144	3.55		-0.10
Budhil HPS(IPP) (2*35)	70	0	70	72	1.70	71	1.66		0.04
Sub Total (G)	1662	0	560	558	16.30	679	24.97		-8.68
H. Total Regional Entities (A-G)	25237	18128	17877	16848	381.23	15885	393.09		-11.86

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	630	690	13.93	580	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	180	270	5.07	211	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	462	583	11.14	464	
	Goindwal(GVK) (2*270)	540	0	0	-0.13	-5	
	Rajpura (2*700)	1400	910	330	13.62	568	
	Talwandi Saboo (3*660)	1980	616	616	19.94	831	
	Thermal (Total)	6560	2798	2489	63.56	2649	
	Total Hydro	1000	655	517	13.56	565	
	Total Punjab	7560	3453	3006	77.13	3214	
	Haryana	Panipat TPS (2*210+2*250)	920	412	412	9.74	406
DCRTPP (Yamuna nagar) (2*300)		600	462	466	11.30	471	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	374	385	9.30	387	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4497	1248	1263	30.33	1264	
Total Hydro		62	41	39	1.00	42	
Total Haryana		4559	1289	1302	31.34	1306	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	439	347	9.52	397
	suratgarh TPS (6*250)	1500	0	0	0.00	0	
	Chabra TPS (4*250)	1000	455	645	13.35	556	
	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	162	133	4.00	166	
	RAPS A (NPC) (1*100+1*200)	300	160	162	4.83	201	
	Barsingar (NLC) (2*125)	250	114	115	0.00	0	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	555	819	17.32	722	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	441	504	11.50	479	
	Kawai(Adani) (2*660)	1320	1016	1210	28.16	1174	
	Thermal (Total)	8876	3342	3935	89	3695	
	Total Hydro	550	107	155	3.04	127	
	Wind power	3214	463	75	5.00	208	
	Biomass	99	21	21	0.50	21	
	Solar	730	0	0	2.61	109	
	Renewable/Others (Total)	4043	484	96	8.11	338	
	Total Rajasthan	13469	3933	4186	99.82	4159	
	UP	Anpara TPS (3*210+2*500)	1630	1142	1101	26.40	1100
Obra TPS (2*50+2*94+5*200)		1194	243	239	5.87	244	
Paricha TPS (2*110+2*220+2*250)		1160	615	779	15.87	661	
Panki TPS (2*105)		210	117	68	1.50	63	
Harduaganj TPS (1*60+1*105+2*250)		665	500	540	11.36	473	
Tanda TPS (NTPC) (4*110)		440	359	348	8.48	353	
Roza TPS (IPP) (4*300)		1200	833	842	18.07	753	
Anpara-C (IPP) (2*600)		1200	1042	1071	25.38	1058	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	315	324	6.15	256	
Anpara-D(2*500)		1000	0	0	0.00	0	
Lalitpur TPS(3*660)		1980	0	0	0.00	0	
Bara(2*660)		1320	550	0	11.32	472	
Thermal (Total)		12449	5716	5312	130	5433	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.36	432	
Alaknanda(4*82.5)		330	340	342	8.06	336	
Other Hydro		527	107	221	3.30	137	
Cogeneration		981	50	50	1.20	50	
Total UP		14727	6648	6360	153	6387	
Uttarakhand		Total Hydro	1398	842	831	20.19	841
		Total Gas	225	14	21	0.24	10
	Total Uttarakhand	1623	856	852	20	851	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	74	74	1.69	70	
	Pragati Gas Turbine (2x104+ 1x122)	330	147	150	3.60	150	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	254	254	6.22	259	
	Badarpur TPS (NTPC) (3*95+2*210)	705	326	323	7.14	297	
	Thermal (Total)	2917	801	802	18.64	777	
	Total Delhi	2917	801	802	18.64	777	
HP	Baspa HPS (IPP) (3*100)	300	329	329	7.78	324	
	Malana HPS (IPP) (2*43)	86	102	102	2.44	102	
	Other Hydro	878	634	627	14.60	608	
	Total HP	1264	1065	1058	24.82	1034	
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	731	731	17.54	731	
	Other Hydro/IPP	560	181	185	4.38	182	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1500	912	916	21.92	913	
Total State Control Area Generation		47619	18957	18482	447.39	18641	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			9443.96	8677.5	217.42	9059	
Total Regional Availability(Gross)		72856	46277	44007	1046.04	43585	

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	7818	7148	170.54	7106
State Control Area Hydro		7106	4518	4535	106.49	4437
Total Regional Hydro		19340	12336	11683	277.02	11543

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)	-200	-150	350	200	0.89	2.54	-1.66
765 KV Gwalior-Agra (D/C)	2682	2360	3008	0	56.46	0.00	56.46
400 KV Zerda-Kankroli	168	156	221	0	3.18	0.00	3.18
400 KV Zerda-Bhinmal	155	153	234	0	3.27	0.00	3.27
220 KV Auraiya-Malanpur	-48	-68	0	77	0.00	0.99	-0.99
220 KV Badod-Kota/Morak	165	165	225	119	4.07	0.00	4.07
Mundra-Mohindergarh(HVDC Bipole)	2002	2002	2505	0.00	47.68	0.00	47.68
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1054	724	1183	0	20.44	0.00	20.44
Sub Total WR	5978	5342			135.99	3.53	132.46
Pusauli Bypass/HVDC	-122	-125	0	136	0.00	2.85	-2.85
400 KV MZP- GKP (D/C)	292	380	510	0	9.44	0.00	9.44
400 KV Patna-Balia(D/C) X 2	554	511	606	0	13.33	0.00	13.33
400 KV B'Sharif-Balia (D/C)	188	190	323	0	7.82	0.00	7.82
765 KV Gaya-Balia	320	307	394	0	5.24	0.00	5.24
765 KV Gaya-Varanasi (D/C)	606	497	671	0	13.38	0.00	13.38
220 KV Pusauli-Sahupuri	128	222	248	0	4.62	0.00	4.62
132 KV K'nasa-Sahupuri	-20	-30	0	40	0.00	0.67	-0.67
132 KV Son Ngr-Rihand	-18	-25	0	36	0.00	0.48	-0.48
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	156	21	156	2	2.13	0.00	2.13
400 KV Barh -GKP (D/C)	510	490	538	0	11.10	0.00	11.10
400 kV B'Sharif - Varanasi (D/C)	99	126	187	0	3.40	0.00	3.40
Sub Total ER	2693	2564			70.45	4.00	66.45
+/- 800 KV BiswanathCharialli-Agra	773	772	777	0.00	18.50	0.00	18.50
Sub Total NER	773	772			18.50	0.00	18.50
Total IR Exch	9444	8678			224.94	7.53	217.42

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
39.48	3.73	43.21	40.27	13.70	0.95	-2.06	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
84.43	123.35	207.78	84.95	132.46	217.42	0.52	9.12	9.64

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	0	0	30	0	0	-0.49

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	0.01	4.44	49.23	79.66	12.95	2.78	0.25	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)		
50.24	18.04	49.80	19.12	50.00	0.032	50.18	49.99	20.34	

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	411	7:59	403	22:32	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	8:05	397	0:00	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	415	6:59	392	22:25	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	18:00	400	19:44	0.0	0.0	0.0	0.0	0.0
Dadri	400	416	7:15	396	22:24	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	424	6:02	399	22:48	0.0	0.0	13.7	0.0	13.7
Bawana	400	420	6:03	399	22:33	0.0	0.0	0.0	0.0	0.0
Bassi	400	423	18:03	399	19:47	0.0	0.0	1.8	0.0	1.8
Hissar	400	417	6:04	397	19:46	0.0	0.0	0.0	0.0	0.0
Moga	400	417	6:02	399	19:52	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	416	6:01	401	19:43	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	424	0:56	411	22:24	0.0	0.0	43.9	0.0	43.9
Kishenpur	400	419	8:02	403	19:52	0.0	0.0	0.0	0.0	0.0
Wagoora	400	412	8:37	389	19:52	0.0	0.0	0.0	0.0	0.0
Amritsar	400	422	6:26	407	20:24	0.0	0.0	9.8	0.0	9.8
Kashipur	400	419	17:56	408	22:24	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	422	8:59	413	0:00	0.0	0.0	52.3	0.0	52.3
Rishikesh	400	416	18:01	392	22:27	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)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	791	6:04	749	19:51	0.0	0.0	0.0	0.0	0.0
Balia	765	788	6:02	751	21:10	0.0	0.0	0.0	0.0	0.0
Moga	765	806	6:00	765	19:51	0.0	0.0	7.7	0.0	7.7
Agra	765	799	6:02	757	19:45	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	6:00	764	19:51	0.0	0.0	5.5	0.0	5.5
Unnao	765	767	8:02	727	22:34	0.1	24.0	0.0	0.0	0.1
Lucknow	765	788	18:02	747	22:32	0.0	0.0	0.0	0.0	0.0
Meerut	765	814	6:02	768	22:26	0.0	0.0	34.5	0.0	34.5
Jhatikara	765	801	6:02	761	19:51	0.0	0.0	0.5	0.0	0.5
Bareilly 765 kV	765	785	18:03	742	22:26	0.0	0.0	0.0	0.0	0.0
Anta	765	794	18:01	762	20:25	0.0	0.0	0.0	0.0	0.0
Phagi	765	798	6:05	758	20:25	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	490.20	738.95	505.21	1312.37	1843.68	653.84
Pong	426.72	384.05	409.35	474.29	418.46	821.34	3307.80	115.65
Tehri	829.79	740.04	799.15	792.30	799.95	608.45	916.18	562.00
Koteswar	612.50	598.50	609.78	4.44	610.95	5.20	562.00	556.61
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	837.07	358.69
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	511.00	6.05	523.50	10.74	478.86	209.75

* 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	1547	192	0	979	396	0	39.36	3.95	43.31
Delhi	577	-119	0	529	13	0	16.31	-2.93	13.38
Haryana	1919	341	13	1442	246	13	40.94	6.72	47.67
HP	-1508	-287	0	-1305	-406	0	-32.88	-7.42	-40.31
J&K	-684	-500	0	-583	-15	0	-16.56	-3.61	-20.18
CHD	0	0	0	0	-10	0	0.35	-0.08	0.27
Rajasthan	-129	497	0	-129	467	0	-3.09	11.21	8.11
UP	1025	392	0	659	447	0	17.25	3.52	20.76
Uttarakhand	-122	21	0	-122	105	0	-2.92	1.34	-1.58
Total	2626	536	13	1470	1244	13	58.76	12.68	71.44

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	2044	979	524	0	0	0
Delhi	867	478	366	-423	0	0
Haryana	1941	1442	347	-61	13	13
HP	-1229	-1508	-230	-462	0	0
J&K	-583	-835	0	-500	0	0
CHD	44	0	0	-40	0	0
Rajasthan	-129	-129	497	421	0	0
UP	1038	576	490	0	0	0
Uttarakhand	-122	-122	108	5	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	6.25%
ER	0.00%
Simultaneous	8.68%

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

WR	17.71%
ER	0.00%
Simultaneous	29.51%

(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 07.08.2016 :

XV. Synchronisation of new generating units :

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

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.