

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पारदर्शिता की पूर्ण स्वाभिमूर्तता प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 08.08.2016
Date of Reporting : 09.08.2016



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
45876	1083	46959	50.05	43323	165	43488	50.03	1049.5	8.26

*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	59.74	16.10		75.84	121.74	121.44	-0.30	197.28	0.00
Haryana	30.14	1.00		31.14	142.83	139.83	-2.99	170.97	0.00
Rajasthan	81.25	6.03	3.83	91.12	68.90	68.47	-0.43	159.59	0.00
Delhi	19.79			19.79	92.31	92.87	0.56	112.66	0.04
UP	134.48	19.92		154.40	154.10	153.67	-0.44	308.07	0.32
Uttarakhand		18.30		18.30	18.25	18.87	0.62	38.39	0.08
HP		24.73		24.73	-0.23	1.04	1.27	25.77	0.03
J & K		21.97	0.00	21.97	10.48	9.23	-1.25	31.20	7.80
Chandigarh				0.00	6.22	5.52	-0.70	5.52	0.00
Total	325.41	108.04	3.83	438.51	614.60	610.94	-3.66	1049.45	8.26

* 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	8584	0	129	1231	7630	0	-86	1726	8746	23:00	0
Haryana	8113	0	-278	2071	7076	0	-53	1802	8401	21:00	0
Rajasthan	6840	0	-157	389	6953	0	-150	422	7345	1:00	0
Delhi	4709	0	-69	772	4558	0	7	585	5474	24:00	0
UP	12727	610	140	682	13948	0	-54	1273	14172	24:00	0
Uttarakhand	1817	40	62	48	1432	0	-6	-117	1817	20:00	40
HP	1099	0	-28	-1566	882	0	101	-1341	1278	8:00	0
J&K	1732	433	124	-596	660	165	-238	-1196	1732	20:00	433
Chandigarh	256	0	-20	0	183	0	-30	0	273	14:00	0
Total	45876	1083	-96	3029	43323	165	-509	3154	47281	23:00	311

* 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	1844	2017	2017	43.47	1811	42.94		0.53
Rihand I STPS (2*500)	1000	460	493	497	10.42	434	10.14		0.27
Rihand II STPS (2*500)	1000	963	1011	964	20.43	851	19.90		0.53
Rihand III STPS (2*500)	1000	963	1006	997	21.06	877	20.92		0.14
Dadri I STPS (4*210)	840	805	360	318	7.00	292	6.81		0.19
Dadri II STPS (2*490)	980	960	954	755	17.57	732	18.55		-0.98
Unchahar I TPS (2*210)	420	350	338	342	7.05	294	7.33		-0.28
Unchahar II TPS (2*210)	420	400	389	302	7.39	308	7.71		-0.32
Unchahar III TPS (1*210)	210	200	193	147	3.46	144	3.67		-0.21
ISTPP (Jhajjar) (3*500)	1500	1425	1147	909	21.48	895	21.69		-0.21
Dadri GPS (4*130.19+2*154.51)	830	775	371	294	7.37	307	7.81		-0.44
Anta GPS (3*88.71+1*153.2)	419	401	254	209	5.40	225	5.50		-0.11
Auraiya GPS (4*111.19+2*109.30)	663	634	121	205	3.48	145	3.46		0.02
Dadri Solar(5)	5	1	0	0	0.02	1	0.03		0.00
Unchahar Solar(10)	10	1	0	0	0.02	1	0.02		0.00
Singrauli Solar(15)	15	1	0	0	0.00	0	0.03		-0.03
KHEP(4*200)	800	855	852	850	20.49	854	20.52		-0.03
Sub Total (A)	12112	11040	9506	8806	196	8171	197		-0.93
B. NPC									
NAPS (2*220)	440	384	412	426	9.19	383	9.22		-0.03
RAPS- B (2*220)	440	177	175	177	4.25	177	4.25		0.00
RAPS- C (2*220)	440	410	421	426	8.99	375	9.84		-0.85
Sub Total (B)	1320	971	1008	1029	22.42	934	23.30		-0.88
C. NHPC									
Chamera I HPS (3*180)	540	540	545	545	13.06	544	12.96		0.10
Chamera II HPS (3*100)	300	301	310	304	7.26	303	7.22		0.04
Chamera III HPS (3*77)	231	226	233	227	5.43	226	5.42		0.00
Bairasuli HPS(3*60)	180	105	184	0	2.07	86	2.08		0.00
Salal-HPS (6*115)	690	650	675	673	16.03	668	15.60		0.44
Tanakpur-HPS (3*31.4)	94	70	94	65	1.78	74	1.67		0.11
Uri-I HPS (4*120)	480	393	414	424	9.73	405	9.44		0.29
Uri-II HPS (4*60)	240	236	241	241	5.75	240	5.66		0.09
Dhauliganga-HPS (4*70)	280	210	208	211	5.04	210	5.04		0.00
Dulhasti-HPS (3*130)	390	381	394	390	9.23	385	9.14		0.09
Sewa-II HPS (3*40)	120	88	128	0	2.16	90	2.14		0.02
Parbati 3 (4*130)	520	389	522	260	6.39	266	6.24		0.15
Sub Total (C)	4065	3588	3948	3341	84	3497	83		1.33
D. SJVNL									
NJPC (6*250)	1500	853	1603	0	19.89	829	19.62		0.27
Rampur HEP (6*68.67)	412	226	437	0	5.28	220	5.27		0.01
Sub Total (D)	1912	1078	2040	0	25.17	1049	24.89		0.27
E. THDC									
Tehri HPS (4*250)	1000	956	945	955	22.95	956	22.94		0.00
Koteshwar HPS (4*100)	400	350	403	278	8.45	352	8.40		0.05
Sub Total (E)	1400	1306	1348	1233	31.40	1308	31.34		0.05
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	821	1295	662	19.80	825	19.70		0.10
Dehar HPS (6*165)	990	610	825	600	14.85	619	14.63		0.22
Pong HPS (6*66)	396	208	396	66	4.83	201	5.00		-0.17
Sub Total (F)	2765	1639	2516	1328	39.48	1645	39.33		0.15
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	231	229	5.50	229	5.31		0.20
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	0	17.60	733	16.79		0.81
Malana Stg-II HPS (2*50)	100	0	112	112	2.64	110	2.49		0.15
Shree Cement TPS (2*150)	300	0	259	155	5.42	226	5.79		-0.37
Budhil HPS(IPP) (2*35)	70	0	71	70	1.58	66	1.65		-0.07
Sub Total (G)	1662	0	1772	565	32.74	1364	32.03		0.71
H. Total Regional Entities (A-G)	25237	19622	22138	16302	431.26	17969	430.54		0.72

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	530	530	12.10	504	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	180	180	4.13	172	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	385	383	8.75	365	
	Goindwal(GVK) (2*270)	540	0	0	0.00	0	
	Rajpura (2*700)	1400	810	660	20.72	863	
	Talwandi Saboo (3*660)	1980	616	616	14.04	585	
	Thermal (Total)	6560	2521	2369	59.74	2489	
	Total Hydro	1000	775	629	16.10	671	
	Total Punjab	7560	3296	2998	75.84	3160	
	Haryana	Panipat TPS (2*210+2*250)	920	410	417	9.71	405
DCRTPP (Yamuna nagar) (2*300)		600	463	462	11.54	481	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	378	376	8.89	371	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4497	1251	1255	30.14	1256	
Total Hydro		62	42	41	1.00	42	
Total Haryana		4559	1293	1296	31.14	1298	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	538	562	13.07	545
	suratgarh TPS (6*250)	1500	183	55	3.74	156	
	Chabra TPS (4*250)	1000	189	461	7.43	310	
	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	157	163	3.76	157	
	RAPS A (NPC) (1*100+1*200)	300	157	158	4.02	168	
	Barsingar (NLC) (2*125)	250	112	115	2.64	110	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	561	754	11.94	497	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	409	464	10.06	419	
	Kawai(Adani) (2*660)	1320	1187	1205	24.59	1025	
	Thermal (Total)	8876	3493	3937	81	3385	
	Total Hydro	550	291	109	6.03	251	
	Wind power	3214	90	175	3.43	143	
	Biomass	99	17	17	0.40	17	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	107	192	3.83	160	
	Total Rajasthan	13469	3891	4238	91.12	3797	
	UP	Anpara TPS (3*210+2*500)	1630	1154	1143	27.91	1163
		Obra TPS (2*50+2*94+5*200)	1194	233	238	5.07	211
		Paricha TPS (2*110+2*220+2*250)	1160	574	805	15.43	643
Panki TPS (2*105)		210	117	135	2.99	125	
Harduaganj TPS (1*60+1*105+2*250)		665	332	530	10.61	442	
Tanda TPS (NTPC) (4*110)		440	332	368	8.47	353	
Roza TPS (IPP) (4*300)		1200	703	837	17.41	725	
Anpara-C (IPP) (2*600)		1200	1080	1080	25.54	1064	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	227	324	5.94	247	
Anpara-D(2*500)		1000	0	0	0.00	0	
Lalitpur TPS(3*660)		1980	0	0	0.00	0	
Bara(2*660)		1320	553	549	13.91	580	
Thermal (Total)		12449	5305	6009	133	5554	
Vishnuparyag HPS (IPP)(4*110)		440	326	435	9.06	378	
Alaknanda(4*82.5)		330	340	342	8.19	341	
Other Hydro		527	89	221	2.66	111	
Cogeneration		981	50	50	1.20	50	
Total UP		14727	6110	7057	154	6433	
Uttarakhand		Total Hydro	1398	809	841	18.30	762
		Total Gas	225	91	14	1.22	51
	Total Uttarakhand	1623	900	855	20	813	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	73	74	1.70	71	
	Pragati Gas Turbine (2x104+ 1x122)	330	260	147	5.10	213	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	253	253	6.03	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	325	318	6.96	290	
	Thermal (Total)	2917	911	792	19.79	825	
	Total Delhi	2917	911	792	19.79	825	
HP	Baspa HPS (IPP) (3*100)	300	332	332	7.73	322	
	Malana HPS (IPP) (2*43)	86	102	102	2.44	102	
	Other Hydro	878	627	646	14.56	607	
	Total HP	1264	1061	1080	24.73	1031	
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	733	733	17.60	733	
	Other Hydro/IPP	560	181	185	4.38	182	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1500	914	918	21.97	915	
Total State Control Area Generation		47619	18376	19234	438.51	18271	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			8658	8844	201.85	8410	
Total Regional Availability(Gross)		72856	49172	44380	1071.62	44651	

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	12147	7092	226.22	9426
State Control Area Hydro		7106	4738	4630	109.27	4553
Total Regional Hydro		19340	16885	11722	335.48	13978

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)	-400	100	350	500	2.19	2.57	-0.38
765 KV Gwalior-Agra (D/C)	2580	2262	2819	0	53.16	0.00	53.16
400 KV Zerda-Kankroli	93	52	135	72	0.82	0.00	0.82
400 KV Zerda-Bhinmal	131	73	222	49	1.70	0.00	1.70
220 KV Auraiya-Malanpur	-31	-17	0	50	0.00	0.43	-0.43
220 KV Badod-Kota/Morak	115	159	187	0	3.32	0.00	3.32
Mundra-Mohindergarh(HVDC Bipole)	2200	2200	2206	0.00	49.49	0.00	49.49
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	753	843	1025	0	20.21	0.00	20.21
Sub Total WR	5441	5672			130.89	3.00	127.89
Pusauli Bypass/HVDC	-121	-115	0	141	0.00	2.59	-2.59
400 KV MZP- GKP (D/C)	340	380	518	0	8.57	0.00	8.57
400 KV Patna-Balia(D/C) X 2	392	553	583	0	12.79	0.00	12.79
400 KV B'Sharif-Balia (D/C)	217	205	362	0	5.47	0.00	5.47
765 KV Gaya-Balia	326	306	366	0	3.88	0.00	3.88
765 KV Gaya-Varanasi (D/C)	557	529	632	0	12.93	0.00	12.93
220 KV Pusauli-Sahupuri	170	164	194	0	4.20	0.00	4.20
132 KV K'nasa-Sahupuri	-30	-28	0	0	0.00	0.52	-0.52
132 KV Son Ngr-Rihand	-24	-18	0	26	0.00	0.45	-0.45
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	109	110	176	0	2.88	0.00	2.88
400 KV Barh -GKP (D/C)	408	500	524	0	10.55	0.00	10.55
400 kV B'Sharif - Varanasi (D/C)	101	103	175	0	2.84	0.00	2.84
Sub Total ER	2445	2689			64.11	3.55	60.56
+/- 800 KV BiswanathCharialli-Agra	772	483	776	0.00	13.40	0.00	13.40
Sub Total NER	772	483			13.40	0.00	13.40
Total IR Exch	8658	8844			208.40	6.55	201.85

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
41.67	3.73	45.40	35.72	10.70	8.35	4.29	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
89.46	117.13	206.59	73.96	127.89	201.85	-15.50	10.76	-4.74

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	-29	-12	0	30	0	1	-0.54

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	0.00	5.47	48.35	76.44	15.36	2.81	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)		
50.16	12.02	49.81	16.14	50.00	0.033	50.16	49.92	23.56	

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	409	7:31	403	0:00	0.1	0.1	0.0	0.0	0.1
Gorakhpur	400	419	7:29	396	0:04	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	413	7:27	393	0:09	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	7:30	400	22:08	0.0	0.0	0.0	0.0	0.0
Dadri	400	413	6:01	397	14:18	0.1	0.1	0.0	0.0	0.1
Ballabgarh	400	420	5:03	401	11:20	0.0	0.0	0.0	0.0	0.0
Bawana	400	417	6:03	400	22:08	0.0	0.0	0.0	0.0	0.0
Bassi	400	420	4:02	400	19:45	0.0	0.0	0.0	0.0	0.0
Hissar	400	413	6:01	392	14:24	0.0	0.0	0.0	0.0	0.0
Moga	400	411	4:02	397	19:35	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	415	6:04	396	19:33	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	422	4:08	399	14:16	0.0	0.0	11.0	0.0	11.0
Kishenpur	400	414	4:01	401	20:14	0.0	0.0	0.0	0.0	0.0
Wagoora	400	410	3:56	390	20:13	0.0	0.0	0.0	0.0	0.0
Amritsar	400	418	4:01	401	14:11	0.0	0.0	0.0	0.0	0.0
Kashipur	400	417	18:23	408	14:13	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	410	10:04	402	14:40	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	412	6:02	389	14:17	0.0	0.6	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	787	5:04	750	22:08	0.0	0.0	0.0	0.0	0.0
Balia	765	789	7:30	752	14:50	0.0	0.0	0.0	0.0	0.0
Moga	765	791	4:33	769	11:21	0.0	0.0	0.0	0.0	0.0
Agra	765	795	6:03	757	19:43	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	795	4:19	769	19:30	0.0	0.0	0.0	0.0	0.0
Unnao	765	766	7:31	729	0:04	0.0	24.5	0.0	0.0	0.0
Lucknow	765	788	7:28	747	0:06	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	6:02	771	22:09	0.0	0.0	13.3	0.0	13.3
Jhatikara	765	795	6:01	767	0:04	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	782	7:32	743	0:04	0.0	0.0	0.0	0.0	0.0
Anta	765	791	4:34	766	22:29	0.0	0.0	0.0	0.0	0.0
Phagi	765	795	4:22	761	22:30	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	491.09	768.41	505.79	1339.30	1823.72	650.01
Pong	426.72	384.05	409.99	494.27	419.90	889.22	1647.36	327.17
Tehri	829.79	740.04	800.55	627.36	801.25	627.36	911.41	561.00
Koteswar	612.50	598.50	609.68	4.44	611.36	5.20	561.00	557.50
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	650.14	358.21
Rihand	268.22	252.98	845.70	191.10	850.50	263.50	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	512.32	5.88	523.45	10.79	608.71	264.74

* 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	1484	242	0	1112	119	0	36.16	3.97	40.13
Delhi	579	6	0	569	203	0	16.83	3.03	19.86
Haryana	1489	300	13	1705	353	13	36.34	8.65	44.99
HP	-1357	17	0	-1226	-340	0	-29.64	-3.96	-33.60
J&K	-682	-513	0	-582	-15	0	-16.86	-3.84	-20.70
CHD	0	0	0	0	0	0	0.36	0.00	0.36
Rajasthan	-129	550	0	-129	517	0	-3.08	12.41	9.32
UP	1188	85	0	682	0	0	18.35	0.38	18.73
Uttarakhand	-121	4	0	-121	169	0	-2.90	1.05	-1.85
Total	2451	690	13	2011	1006	13	55.56	21.68	77.25

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1857	883	730	31	0	0
Delhi	908	406	509	-137	0	0
Haryana	1726	1067	396	275	13	13
HP	-1078	-1357	63	-392	0	0
J&K	-582	-828	0	-513	0	0
CHD	44	0	0	0	0	0
Rajasthan	-129	-129	551	78	0	0
UP	1194	593	158	0	0	0
Uttarakhand	-121	-121	202	4	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	1.04%
ER	0.00%
Simultaneous	0.35%

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

WR	5.90%
ER	0.00%
Simultaneous	5.56%

(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 08.08.2016 :

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.