

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पब्लिसिटी की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 18.08.2016

Date of Reporting : 19.08.2016

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
42768	476	43244	50.08	43118	274	43392	50.10	1009.8	9.26

* 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	70.57	15.85		86.43	129.64	128.52	-1.12	214.95	0.00
Haryana	27.16	0.96		28.12	135.27	131.86	-3.41	159.98	0.00
Rajasthan	85.42	2.03	8.98	96.43	73.00	74.24	1.24	170.66	0.00
Delhi	18.55			18.55	79.13	74.71	-4.42	93.26	0.00
UP	96.26	22.89		119.17	152.69	150.76	-1.93	269.92	0.21
Uttarakhand		19.80		22.48	12.50	13.08	0.58	35.55	0.00
HP		26.67		26.67	-2.01	-2.99	-0.98	23.67	0.01
J & K		21.97	0.00	21.97	16.94	14.17	-2.76	36.14	9.04
Chandigarh				0.00	6.38	5.64	-0.74	5.64	0.00
Total	297.99	110.16	8.98	419.80	603.52	589.98	-13.54	1009.78	9.26

* 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	(MW) and Time(Hrs)		
Punjab	9376	0	66	1500	8090	0	-41	1566	9486	23:00	0
Haryana	7084	16	-377	2277	7072	0	48	2369	7371	1:00	0
Rajasthan	6751	0	-73	311	7468	0	313	353	7819	1:00	0
Delhi	3841	0	-142	637	4122	0	8	321	4631	1:00	0
UP	11001	0	-607	589	12673	0	161	966	12673	3:00	0
Uttarakhand	1601	0	18	-14	1533	0	88	-192	1601	20:00	0
HP	1019	0	-45	-1756	857	0	-29	-1816	1127	8:00	0
J&K	1840	460	156	-648	1094	274	-156	-1082	1840	20:00	460
Chandigarh	255	0	-30	-20	210	0	-6	-25	271	22:00	0
Total	42768	476	-1033	2876	43118	274	386	2461	44573	1:00	291

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

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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	1851	1796	1823	38.76	1615	37.93		0.83
Rihand I STPS (2*500)	1000	933	801	848	17.58	732	17.58		0.00
Rihand II STPS (2*500)	1000	963	785	753	17.38	724	17.04		0.34
Rihand III STPS (2*500)	1000	963	816	782	17.66	736	17.52		0.14
Dadri I STPS (4*210)	840	805	179	300	6.18	257	6.19		-0.01
Dadri II STPS (2*490)	980	960	698	689	15.93	664	16.18		-0.25
Unchahar I TPS (2*210)	420	400	286	355	6.44	268	7.05		-0.61
Unchahar II TPS (2*210)	420	400	272	280	6.19	258	6.75		-0.56
Unchahar III TPS (1*210)	210	200	137	153	3.08	128	3.37		-0.29
ISTPP (Jhajjar) (3*500)	1500	1425	597	612	13.54	564	13.73		-0.19
Dadri GPS (4*130.19+2*154.51)	830	593	151	162	3.68	153	3.79		-0.12
Anta GPS (3*88.71+1*153.2)	419	410	307	201	6.09	254	6.07		0.02
Auraiya GPS (4*111.19+2*109.30)	663	633	122	126	2.90	121	2.86		0.04
Dadri Solar(5)	5	1	0	0	0.01	1	0.02		0.00
Unchahar Solar(10)	10	1	0	0	0.02	1	0.02		-0.01
Singrauli Solar(15)	15	1	0	0	0.02	1	0.03		-0.02
KHEP(4*200)	800	855	853	852	20.55	856	20.52		0.03
Sub Total (A)	12112	11393	7800	7936	176	7333	177		-0.66
B. NPC									
NAPS (2*220)	440	385	424	423	9.22	384	9.24		-0.02
RAPS- B (2*220)	440	179	205	204	4.30	179	4.30		0.01
RAPS- C (2*220)	440	405	438	437	9.39	391	9.72		-0.33
Sub Total (B)	1320	969	1067	1064	22.91	954	23.26		-0.35
C. NHPC									
Chamera I HPS (3*180)	540	540	544	546	13.05	544	12.95		0.10
Chamera II HPS (3*100)	300	301	309	300	7.25	302	7.22		0.02
Chamera III HPS (3*77)	231	229	232	230	5.49	229	5.50		-0.01
Bairasuli HPS(3*60)	180	179	183	182	3.16	132	3.12		0.04
Salal-HPS (6*115)	690	662	670	670	16.17	674	15.89		0.28
Tanakpur-HPS (3*31.4)	94	89	93	93	2.22	93	2.15		0.08
Uri-I HPS (4*120)	480	432	421	445	10.43	434	10.36		0.07
Uri-II HPS (4*60)	240	222	241	241	5.41	225	5.33		0.08
Dhauliganga-HPS (4*70)	280	272	283	211	6.54	272	6.53		0.01
Dulhasi-HPS (3*130)	390	381	396	385	9.19	383	9.14		0.05
Sewa-II HPS (3*40)	120	124	123	128	2.99	125	2.97		0.02
Parbati 3 (4*130)	520	520	516	0	4.79	199	4.71		0.07
Sub Total (C)	4065	3951	4012	3430	87	3612	86		0.82
D. SJVNL									
NJPC (6*250)	1500	1605	1608	1608	38.37	1599	38.52		-0.15
Rampur HEP (6*68.67)	412	442	444	445	10.66	444	10.61		0.05
Sub Total (D)	1912	2047	2052	2053	49.03	2043	49.13		-0.10
E. THDC									
Tehri HPS (4*250)	1000	1033	1044	1034	24.75	1031	24.78		-0.03
Koteshwar HPS (4*100)	400	366	403	360	8.81	367	8.78		0.03
Sub Total (E)	1400	1398	1447	1394	33.56	1398	33.56		0.00
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	893	1334	667	21.27	886	21.43		-0.16
Dehar HPS (6*165)	990	614	825	570	14.96	623	14.73		0.23
Pong HPS (6*66)	396	303	396	198	7.18	299	7.26		-0.08
Sub Total (F)	2765	1809	2555	1435	43.41	1809	43.42		-0.01
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	194	169	4.03	168	3.84		0.19
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.24	1093	26.08		0.16
Malana Stg-II HPS (2*50)	100	0	92	92	2.25	94	2.12		0.13
Shree Cement TPS (2*150)	300	0	264	227	4.93	205	5.04		-0.11
Budhil HPS(IPP) (2*35)	70	0	74	74	1.76	73	1.75		0.00
Sub Total (G)	1662	0	1724	1663	39.21	1634	38.83		0.37
H. Total Regional Entities (A-G)	25237	21568	20657	18975	450.79	18783	450.72		0.07

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	293	439	9.39	391
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	155	155	3.72	155
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	623	521	12.23	510
	Goindwal(GVK) (2*270)	540	224	224	5.48	228
	Rajpura (2*700)	1400	1060	820	24.67	1028
	Talwandi Saboo (3*660)	1980	616	616	15.10	629
	Thermal (Total)	6560	2971	2775	70.57	2941
	Total Hydro	1000	791	590	15.85	661
	Total Punjab	7560	3762	3365	86.43	3601
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	236	234	5.43	226
Faridabad GPS (NTPC)(2*137.75+1*156)		432	166	168	3.82	159
RGTPP (khedar) (IPP) (2*600)		1200	0	0	0.00	0
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	745	739	17.92	747
Thermal (Total)		4497	1147	1141	27.16	1132
Total Hydro		62	41	40	0.96	40
Total Haryana		4559	1188	1181	28.12	1172
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	310	296	7.89
	suratgarh TPS (6*250)	1500	0	0	0.00	0
	Chabra TPS (4*250)	1000	549	500	14.13	589
	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	150	150	3.71	154
	RAPS A (NPC) (1*100+1*200)	300	133	152	3.43	143
	Barsingar (NLC) (2*125)	250	160	114	2.77	116
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	496	722	15.90	662
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	407	524	10.86	452
	Kawai(Adani) (2*660)	1320	1126	965	26.74	1114
	Thermal (Total)	8876	3331	3423	85	3559
	Total Hydro	550	107	75	2.03	84
	Wind power	3214	125	622	8.50	354
	Biomass	99	20	20	0.48	20
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	145	642	8.98	374
	Total Rajasthan	13469	3583	4140	96.43	4018
	UP	Anpara TPS (3*210+2*500)	1630	1031	724	21.33
Obra TPS (2*50+2*94+5*200)		1194	190	231	5.72	238
Paricha TPS (2*110+2*220+2*250)		1160	574	761	14.83	618
Panki TPS (2*105)		210	135	140	3.24	135
Harduaganj TPS (1*60+1*105+2*250)		665	311	440	8.23	343
Tanda TPS (NTPC) (4*110)		440	375	360	7.84	327
Roza TPS (IPP) (4*300)		1200	918	1090	20.76	865
Anpara-C (IPP) (2*600)		1200	374	468	8.84	368
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	171	243	4.30	179
Anpara-D(2*500)		1000	0	0	0.00	0
Lalitpur TPS(3*660)		1980	0	0	0.00	0
Bara(2*660)		1320	0	0	0.00	0
Thermal (Total)		12449	4079	4457	95	3962
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.42	434
Alaknanda(4*82.5)		330	253	254	6.08	253
Other Hydro		527	279	297	6.40	266
Cogeneration		981	50	50	1.20	50
Total UP		14727	5096	5493	119	4965
Uttarakhand		Total Hydro	1398	828	842	19.80
	Total Gas	225	72	168	2.67	111
	Total Uttarakhand	1623	900	1010	22	937
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	33	66	1.44	60
	Pragati Gas Turbine (2x104+ 1x122)	330	147	264	4.09	170
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	252	6.05	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	314	307	6.96	290
	Thermal (Total)	2917	746	889	18.55	773
Total Delhi	2917	746	889	18.55	773	
HP	Baspa HPS (IPP) (3*100)	300	333	333	7.40	308
	Malana HPS (IPP) (2*43)	86	90	77	2.08	87
	Other Hydro	878	725	709	17.19	716
	Total HP	1264	1148	1119	26.67	1111
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	733	733	17.59	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	17337	18115	419.80	17492
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7402	7240	159.75	6656
Total Regional Availability(Gross)		72856	45395	44331	1030.34	42931
IV. Total Hydro Generation:						
Regional Entities Hydro		12234	12305	10526	265.75	11073
State Control Area Hydro		7106	4868	4738	112.83	4701
Total Regional Hydro		19340	17173	15264	378.58	15774

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)	-500	-500	0	500	0.00	9.16	-9.16
765 KV Gwalior-Agra (D/C)	1891	1781	2273	0	38.03	0.00	38.03
400 KV Zerda-Kankroli	144	74	167	145	1.78	0.00	1.78
400 KV Zerda-Bhinmal	52	152	266	67	2.19	0.00	2.19
220 KV Auraiya-Malanpur	-10	-22	0	84	0.59	0.00	0.59
220 KV Badod-Kota/Morak	97	166	177	0	3.20	0.00	3.20
Mundra-Mohindergarh(HVDC Bipole)	1502	1902	1905	0.00	36.82	0.00	36.82
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	847	726	957	0	15.42	0.00	15.42
Sub Total WR	4023	4279			98.04	9.16	88.88
Pusauli Bypass/HVDC	-318	-170	0	318	0.00	4.36	-4.36
400 KV MZP- GKP (D/C)	144	452	700	144	7.66	0.00	7.66
400 KV Patna-Balia(D/C) X 2	300	494	516	0	9.67	0.00	9.67
400 KV B'Sharif-Balia (D/C)	-17	223	374	17	4.56	0.00	4.56
765 KV Gaya-Balia	331	265	368	0	3.35	0.00	3.35
765 KV Gaya-Varanasi (D/C)	325	416	633	0	10.50	0.00	10.50
220 KV Pusauli-Sahupuri	103	166	191	0	3.05	0.00	3.05
132 KV K'nasa-Sahupuri	0	-20	0	20	0.00	0.27	-0.27
132 KV Son Ngr-Rihand	-3	-20	0	20	0.00	0.27	-0.27
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	22	46	160	0	1.76	0.00	1.76
400 KV Barh -GKP (D/C)	408	500	500	0	9.14	0.00	9.14
400 kV B'Sharif - Varanasi (D/C)	84	109	272	0	3.78	0.00	3.78
Sub Total ER	1379	2461			53.47	4.90	48.57
+/- 800 KV BiswanathChariali-Agra	2000	500	2000	0.00	22.30	0.00	22.30
Sub Total NER	2000	500			22.30	0.00	22.30
Total IR Exch	7402	7240			173.80	14.06	159.75

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
36.12	3.76	39.88	40.94	11.05	-3.83	-3.65	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
76.99	93.32	170.31	70.87	88.88	159.75	-6.12	-4.44	-10.56

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	-31	-24	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	0.31	5.64	45.47	72.21	17.51	4.54	0.15	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)		
50.22	6:02	49.78	22:12	50.00	0.039	50.23	49.93	27.79	

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	410	0:00	406	11:19	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	425	6:02	406	22:11	0.0	0.0	5.9	0.0	5.9
Bareilly(PG)400kV	400	420	6:03	399	11:16	0.0	0.0	0.0	0.0	0.0
Kanpur	400	423	6:01	409	0:16	0.0	0.0	3.8	0.0	3.8
Dadri	400	416	6:02	402	20:29	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	424	6:01	408	20:23	0.0	0.0	8.0	0.0	8.0
Bawana	400	419	6:02	404	20:31	0.0	0.0	0.0	0.0	0.0
Bassi	400	422	6:00	403	22:09	0.0	0.0	1.1	0.0	1.1
Hissar	400	414	6:03	398	19:39	0.0	0.0	0.0	0.0	0.0
Moga	400	413	6:02	399	20:28	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	412	6:01	398	19:38	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	417	6:09	406	19:45	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	412	3:26	402	19:48	0.0	0.0	0.0	0.0	0.0
Wagoora	400	408	3:55	389	20:07	0.0	0.1	0.0	0.0	0.0
Amritsar	400	418	6:00	404	20:16	0.0	0.0	0.0	0.0	0.0
Kashipur	400	418	0:00	418	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	418	6:02	405	20:22	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	413	6:03	400	12:19	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	6:03	760	20:31	0.0	0.0	0.0	0.0	0.0
Balia	765	801	6:02	770	22:07	0.0	0.0	0.3	0.0	0.3
Moga	765	802	6:01	773	20:23	0.0	0.0	0.7	0.0	0.7
Agra	765	797	6:03	758	20:30	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	781	6:05	755	20:25	0.0	0.0	0.0	0.0	0.0
Lucknow	765	800	6:05	769	22:10	0.0	0.0	0.0	0.0	0.0
Meerut	765	813	6:03	779	20:30	0.0	0.0	25.2	0.0	25.2
Jhatikara	765	801	6:03	769	20:30	0.0	0.0	0.2	0.0	0.2
Bareilly 765 kV	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Anta	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Phagi	765	795	6:00	767	20:20	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	497.21	983.40	509.21	1515.08	1162.63	669.69
Pong	426.72	384.05	414.83	668.52	421.80	975.89	806.80	442.25
Tehri	829.79	740.04	811.25	827.28	813.60	873.00	772.90	572.00
Koteswar	612.50	598.50	610.40	4.69	510.05	4.44	572.00	581.32
Chamera-I	760.00	748.75	757.13	0.00	0.00	0.00	366.04	357.56
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1157.00	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	518.52	4.75	523.39	14.27	467.94	218.62

* 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	1532	34	0	1071	429	0	37.92	6.52	44.44
Delhi	482	-161	0	626	11	0	17.35	-3.51	13.84
Haryana	2038	318	13	2015	249	13	44.00	5.85	49.85
HP	-1371	-445	0	-1426	-330	0	-30.92	-8.95	-39.87
J&K	-583	-499	0	-633	-15	0	-16.29	-3.80	-20.08
CHD	0	-25	0	0	-20	0	0.36	-0.38	-0.02
Rajasthan	-129	482	0	-129	440	0	-3.09	11.12	8.04
UP	966	0	0	589	0	0	15.68	0.00	15.68
Uttarakhand	-126	-67	0	-126	112	0	-3.02	-1.16	-4.18
Total	2811	-363	13	1988	875	13	61.99	5.69	67.68

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1941	1071	991	23	0	0
Delhi	1052	482	200	-605	0	0
Haryana	2102	1517	318	-71	13	13
HP	-1092	-1426	-277	-605	0	0
J&K	-583	-910	0	-499	0	0
CHD	44	0	0	-45	0	0
Rajasthan	-129	-129	486	438	0	0
UP	988	533	0	0	0	0
Uttarakhand	-126	-126	112	-151	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	0.00%
ER	0.00%
Simultaneous	0.00%

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

WR	0.00%
ER	0.00%
Simultaneous	0.00%

(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 18.08.2016 :

XV. Synchronisation of new generating units :

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

Bagpat(PG) Bay No. 206 first time charged at 14:22 hrs of dt. 18.08.2016

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.