पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 17.08.2016
Date of Reporting : 18.08.2016

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
44740	1021	45761	50.11	43824	267	44091	50.09	1045.7	8.42

* 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:

UI [OD:(+ve), UD: (-ve)]

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	77.35	16.68		94.03	126.02	126.03	0.01	220.07	0.00
Haryana	21.46	0.98		22.44	147.64	145.07	-2.57	167.51	0.01
Rajasthan	81.04	1.78	24.73	107.55	71.61	72.63	1.02	180.18	0.00
Delhi	21.78			21.78	83.37	81.88	-1.49	103.65	0.01
UP	105.96	21.28		127.24	144.30	143.87	-0.44	271.10	0.00
Uttarakhand		21.73		23.88	13.65	14.19	0.54	38.07	0.00
HP		25.31		25.31	-0.56	0.42	0.98	25.74	0.00
J & K		21.97	0.00	21.97	15.77	11.63	-4.14	33.59	8.40
Chandigarh				0.00	6.35	5.82	-0.53	5.82	0.00
Total	**307.59**	**109.73**	**24.73**	**444.19**	**608.14**	**601.54**	**-6.60**	**1045.73**	8.42

* Shortage furnished by the respective constituent.$ Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

UI/OA/PX [OD/Import: (+ve), UD/Export: (-ve)]

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	8867	0	101	1155	8767	0	76	1618	9823	15:00	0
Haryana	7623	27	-250	2356	7501	0	-117	2400	8165	21:00	71
Rajasthan	7447	0	-155	378	7656	0	81	415	8060	1:00	0
Delhi	4417	0	102	622	4362	0	121	360	4935	1:00	0
UP	11738	580	-307	636	11958	0	-232	976	12502	2:00	0
Uttarakhand	1658	0	-33	-126	1378	0	-4	-283	1658	20:00	0
HP	1074	0	66	-1736	925	0	33	-1679	1250	8:00	0
J&K	1657	414	-73	-647	1066	267	-173	-1081	1657	20:00	414
Chandigarh	259	0	-14	-25	211	0	-3	-35	286	16:00	0
Total	**44740**	**1021**	**-563**	**2613**	**43824**	**267**	**-217**	**2692**	**46062**	**1:00**	**282**

* 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 :

UI [OG:(+ve), UG: (-ve)]

	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
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1789	1870	1952	39.75	1656	39.43	0.32
	Rihand I STPS (2*500)	1000	940	888	803	17.31	721	16.48	0.83
	Rihand II STPS (2*500)	1000	963	917	803	17.70	737	17.30	0.39
	Rihand III STPS (2*500)	1000	963	886	824	17.79	741	17.61	0.18
	Dadri I STPS (4*210)	840	805	274	270	5.97	249	5.83	0.14
	Dadri II STPS (2*490)	980	960	652	663	16.92	705	17.45	-0.53
	Unchahar I TPS (2*210)	420	358	335	344	6.43	268	6.70	-0.28
	Unchahar II TPS (2*210)	420	400	417	264	6.54	272	7.18	-0.64
	Unchahar III TPS (1*210)	210	200	202	134	3.39	141	3.62	-0.23
	ISTPP (Jhajjhar) (3*500)	1500	1425	986	600	14.67	611	15.04	-0.38
	Dadri GPS (4*130.19+2*154.51)	830	593	172	161	3.89	162	4.06	-0.16
	Anta GPS (3*88.71+1*153.2)	419	409	234	186	4.93	205	4.91	0.02
	Auraiya GPS (4*111.19+2*109.30)	663	634	154	122	3.00	125	2.98	0.02
	Dadri Solar(5)	5	1	0	0	0.01	0	0.02	-0.01
	Unchahar Solar(10)	10	0	0	0	0.01	0	0.01	0.00
	Singrauli Solar(15)	15	1	0	0	0.02	1	0.02	0.00
	KHEP(4*200)	800	855	852	852	20.59	858	20.52	0.07
	Sub Total (A)	**12112**	**11295**	**8839**	**7978**	**179**	**7454**	**179**	**-0.25**
B. NPC	NAPS (2*220)	440	388	426	431	9.33	389	9.31	0.01
	RAPS- B (2*220)	440	179	204	205	4.31	179	4.30	0.01
	RAPS- C (2*220)	440	405	438	438	9.38	391	9.72	-0.34
	Sub Total (B)	**1320**	**972**	**1068**	**1074**	**23.01**	**959**	**23.33**	**-0.32**
C. NHPC	Chamera I HPS (3*180)	540	540	543	545	13.07	545	12.96	0.11
	Chamera II HPS (3*100)	300	301	310	305	7.28	303	7.22	0.06
	Chamera III HPS (3*77)	231	228	226	233	5.47	228	5.48	-0.01
	Bairasuil HPS(3*60)	180	173	182	121	3.17	132	3.13	0.04
	Salal-HPS (6*115)	690	648	670	670	15.91	663	15.56	0.35
	Tanakpur-HPS (3*31.4)	94	89	92	96	2.25	94	2.14	0.11
	Uri-I HPS (4*120)	480	432	425	442	10.51	438	10.36	0.15
	Uri-II HPS (4*60)	240	236	241	241	5.71	238	5.67	0.04
	Dhauliganga-HPS (4*70)	280	263	279	278	6.60	275	6.30	0.30
	Dulhasti-HPS (3*130)	390	381	395	390	9.21	384	9.14	0.07
	Sewa-II HPS (3*40)	120	124	127	127	3.02	126	2.97	0.05
	Parbati 3 (4*130)	520	520	399	0	4.33	180	4.29	0.04
	Sub Total (C)	**4065**	**3935**	**3890**	**3448**	**87**	**3606**	**85**	**1.31**
D.SJVNL	NJPC (6*250)	1500	1605	1589	1611	38.43	1601	38.52	-0.09
	Rampur HEP (6*68.67)	412	442	441	446	10.71	446	10.61	0.10
	Sub Total (D)	**1912**	**2047**	**2030**	**2057**	**49.14**	**2047**	**49.13**	**0.01**
E. THDC	Tehri HPS (4*250)	1000	1035	1009	1037	24.76	1032	24.84	-0.08
	Koteshwar HPS (4*100)	400	354	403	365	8.57	357	8.50	0.07
	Sub Total (E)	**1400**	**1389**	**1412**	**1402**	**33.33**	**1389**	**33.34**	**-0.01**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	890	1332	668	21.24	885	21.36	-0.13
	Dehar HPS (6*165)	990	609	825	560	14.90	621	14.62	0.28
	Pong HPS (6*66)	396	298	396	198	7.11	296	7.16	-0.05
	Sub Total (F)	**2765**	**1798**	**2553**	**1426**	**43.25**	**1802**	**43.15**	**0.11**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	205	180	4.29	179	4.99	-0.70
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.30	1096	26.08	0.22
	Malana Stg-II HPS (2*50)	100	0	112	112	2.56	107	2.49	0.07
	Shree Cement TPS (2*150)	300	0	274	245	5.79	241	5.92	-0.13
	Budhil HPS(IPP) (2*35)	70	0	75	74	1.74	72	1.75	-0.01
	Sub Total (G)	**1662**	**0**	**1765**	**1711**	**40.68**	**1695**	**41.24**	**-0.56**
H. Total Regional Entities (A-G)		**25237**	**21436**	**21557**	**19096**	**454.85**	**18952**	**454.56**	**0.29**

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sentout MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	480	480	11.08	462
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	170	100	3.59	150
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	931	935	18.25	760
	Goindwal(GVK) (2*270)	540	168	246	4.84	202
	Rajpura (2*700)	1400	920	1320	29.06	1211
	Talwandi Saboo (3*660)	1980	508	614	10.52	438
	Thermal (Total)	**6560**	**3177**	**3695**	**77.35**	**3223**
	Total Hydro	1000	590	789	16.68	695
	Total Punjab	**7560**	**3767**	**4484**	**94.03**	**3918**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	267	233	5.57	232
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	185	194	4.23	176
	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	804	376	11.67	486
	Thermal (Total)	**4497**	**1256**	**803**	**21.46**	**894**
	Total Hydro	62	41	40	0.98	41
	Total Haryana	**4559**	**1297**	**843**	**22.44**	**935**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	233	155	4.47	186
	suratgarh TPS (6*250)	1500	0	0	0.00	0
	Chabra TPS (4*250)	1000	500	585	13.30	554
	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	3.75	156
	RAPS A (NPC) (1*100+1*200)	300	163	163	4.09	170
	Barsingsar (NLC) (2*125)	250	113	114	2.58	108
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	736	646	17.72	738
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	518	0	8.20	342
	Kawai(Adani) (2*660)	1320	1131	966	26.94	1122
	Thermal (Total)	**8876**	**3544**	**2779**	**81**	**3377**
	Total Hydro	550	48	23	1.78	74
	Wind power	3214	553	1717	23.81	992
	Biomass	99	26	26	0.63	26
	Solar	730	1	0	0.29	12
	Renewable/Others (Total)	4043	580	1743	24.73	1030
	Total Rajasthan	**13469**	**4172**	**4545**	**107.55**	**4481**
UP	Anpara TPS (3*210+2*500)	1630	850	811	19.25	802
	Obra TPS (2*50+2*94+5*200)	1194	214	241	5.58	233
	Paricha TPS (2*110+2*220+2*250)	1160	746	574	14.73	614
	Panki TPS (2*105)	210	131	131	3.16	132
	Harduaganj TPS (1*60+1*105+2*250)	665	431	313	8.34	347
	Tanda TPS (NTPC) (4*110)	440	374	373	8.05	336
	Roza TPS (IPP) (4*300)	1200	1071	901	20.97	874
	Anpara-C (IPP) (2*600)	1200	495	629	12.37	515
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	243	169	4.39	183
	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	545	7.92	330
	Thermal (Total)	**12449**	**4555**	**4687**	**105**	**4365**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.47	436
	Alaknanada(4*82.5)	330	252	254	6.06	253
	Other Hydro	527	287	108	4.74	198
	Cogeneration	981	50	50	1.20	50
	Total UP	**14727**	**5579**	**5534**	**127**	**5302**
Uttarakhand	Total Hydro	1398	1015	962	21.73	906
	Total Gas	225	135	172	2.14	89
	Total Uttarakhand	**1623**	**1150**	**1134**	**24**	**995**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	67	67	1.70	71
	Pragati Gas Turbine (2x104+ 1x122)	330	261	264	6.38	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	253	6.05	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	331	321	7.67	319
	Thermal (Total)	2917	912	905	21.78	907
	Total Delhi	**2917**	**912**	**905**	**21.78**	**907**
HP	Baspa HPS (IPP) (3*100)	300	333	302	7.63	318
	Malana HPS (IPP) (2*43)	86	97	104	2.44	102
	Other Hydro	878	623	633	15.24	635
	Total HP	**1264**	**1053**	**1039**	**25.31**	**1055**
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**	**18844**	**19402**	**444.19**	**18508**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6597**	**7928**	**167.82**	**6993**
Total Regional Availability(Gross)		**72856**	**46998**	**46426**	**1066.86**	**44453**

IV. Total Hydro Generation:

Regional Entities Hydro		**12234**	**12153**	**10577**	**265.99**	**11083**
State Control Area Hydro		**7106**	**4770**	**4740**	**111.88**	**4662**
Total Regional Hydro		**19340**	**16923**	**15317**	**377.87**	**15745**

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
	MW	MW	Import	Export	Import	Export	MU
Vindhychal(HVDC B/B)	-500	-500	0	500	0.00	9.18	-9.18
765 KV Gwalior-Agra (D/C)	1711	1873	2482	0	43.14	0.00	43.14
400 KV Zerda-Kankroli	120	72	306	0	2.45	0.00	2.45
400 KV Zerda-Bhinmal	52	152	266	67	2.19	0.00	2.19
220 KV Auraiya-Malanpur	-48	-30	0	64	0.00	0.59	-0.59
220 KV Badod-Kota/Morak	88	169	284	0	3.33	0.00	3.33
Mundra-Mohindergarh(HVDC Bipole)	1898	2198	2204	0.00	44.09	0.00	44.09
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	573	858	872	0	17.11	0.00	17.11
Sub Total WR	**3894**	**4792**			**112.30**	**9.77**	**102.54**
Pusauli Bypass/HVDC	270	260	0	291	0.00	5.12	-5.12
400 KV MZP- GKP (D/C)	198	392	726	0	10.20	0.00	10.20
400 KV Patna-Balia(D/C) X 2	384	417	551	0	10.71	0.00	10.71
400 KV B'Sharif-Balia (D/C)	115	203	240	0	5.53	0.00	5.53
765 KV Gaya-Balia	287	271	316	0	3.30	0.00	3.30
765 KV Gaya-Varanasi (D/C)	325	416	633	0	10.50	0.00	10.50
220 KV Pusauli-Sahupuri	137	220	220	0	4.47	0.00	4.47
132 KV K'nasa-Sahupuri	0	-22	0	26	0.00	0.47	-0.47
132 KV Son Ngr-Rihand	-7	-20	0	26	0.00	0.36	-0.36
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	39	47	167	0	1.76	0.00	1.76
400 KV Barh -GKP (D/C)	346	368	412	0	8.37	0.00	8.37
400 kV B'Sharif - Varanasi (D/C)	109	84	272	0	3.78	0.00	3.78
Sub Total ER	**2203**	**2636**			**58.63**	**5.96**	**52.67**
+/- 800 KV BiswanathCharialli-Agra	500	500	900	0.00	12.61	0.00	12.61
Sub Total NER	**500**	**500**			**12.61**	**0.00**	**12.61**
Total IR Exch	**6597**	**7928**			**183.55**	**15.72**	**167.82**

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
38.33	3.58	41.91	41.12	11.76	-1.66	-6.23	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
81.37	93.76	175.14	65.28	102.54	167.82	-16.09	8.77	-7.32

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
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	-25	-19	0	31	0	1	-0.58

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	0.12	3.59	54.47	81.48	11.90	3.08	0.00	0.00

<---------- Frequency (Hz) ---------->				Average	Frequency	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum		Frequency	Variation		MAX	MIN	
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.17	6.01	49.77	22.16	49.99	0.030	0.055	50.18	49.98	18.52

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	405	14:53	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	424	8:03	408	22:13	0.0	0.0	14.7	0.0	14.7
Bareilly(PG)400kV	400	419	6:02	401	13:50	0.0	0.0	0.0	0.0	0.0
Kanpur	400	413	16:31	406	22:09	0.0	0.0	0.0	0.0	0.0
Dadri	400	414	6:01	398	11:53	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	423	3:48	403	14:08	0.0	0.0	5.1	0.0	5.1
Bawana	400	417	6:00	401	11:53	0.0	0.0	0.0	0.0	0.0
Bassi	400	423	4:01	398	22:17	0.0	0.0	2.0	0.0	2.0
Hissar	400	411	6:00	394	14:06	0.0	0.0	0.0	0.0	0.0
Moga	400	410	3:46	398	11:14	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	411	6:02	395	14:06	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	416	4:07	399	14:37	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	411	3:48	402	14:22	0.0	0.0	0.0	0.0	0.0
Wagoora	400	407	3:45	391	20:09	0.0	0.0	0.0	0.0	0.0
Amritsar	400	415	3:48	400	14:53	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	414	7:53	402	14:16	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	411	8:02	393	13:43	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	796	4:04	756	22:14	0.0	0.0	0.0	0.0	0.0
Balia	765	797	8:01	768	22:13	0.0	0.0	0.0	0.0	0.0
Moga	765	797	4:01	766	11:22	0.0	0.0	0.0	0.0	0.0
Agra	765	799	4:03	756	22:16	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	780	8:02	753	22:10	0.0	0.0	0.0	0.0	0.0
Lucknow	765	798	8:02	767	22:15	0.0	0.0	0.0	0.0	0.0
Meerut	765	809	4:01	777	11:24	0.0	0.0	14.2	0.0	14.2
Jhatikara	765	797	4:01	766	22:14	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	791	8:01	769	0:09	0.0	0.0	0.0	0.0	0.0
Anta	765	797	3:48	778	0:00	47.8	47.8	0.0	0.0	47.8
Phagi	765	801	4:02	758	22:17	0.0	0.0	0.6	0.0	0.6

Note : "0" in Max / Min Col -> Telemetry Outage

IX. Reservior Parameters:

Name of Reservior	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	496.88	971.87	509.09	1500.16	1070.09	668.45
Pong	426.72	384.05	414.69	668.52	421.70	975.89	692.15	439.19
Tehri	829.79	740.04	810.75	817.00	813.30	887.00	745.59	574.00
Koteshwar	612.50	598.50	610.51	4.69	610.13	4.69	574.00	565.40
Chamera-I	760.00	748.75	757.15	0.00	0.00	0.00	388.14	358.22
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	518.26	5.20	523.67	14.35	467.94	194.29

*** 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	86	0	1071	84	0	37.63	4.49	42.12
Delhi	481	-121	0	596	26	0	16.35	-1.93	14.41
Haryana	2038	349	13	2023	320	13	44.93	5.62	50.55
HP	-1371	-309	0	-1396	-340	0	-29.95	-8.95	-38.90
J&K	-582	-499	0	-632	-15	0	-16.00	-3.88	-19.88
CHD	0	-35	0	0	-25	0	0.36	-0.40	-0.05
Rajasthan	-129	544	0	-129	506	0	-3.09	12.72	9.63
UP	976	0	0	636	0	0	16.82	0.00	16.82
Uttarakhand	-126	-157	0	-126	0	0	-3.02	-1.66	-4.68
Total	**2821**	**-142**	**13**	**2044**	**557**	**13**	**64.02**	**6.01**	**70.03**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1848	1071	785	15	0	0
Delhi	941	481	161	-401	0	0
Haryana	2086	1517	360	-327	13	13
HP	-1092	-1396	-290	-613	0	0
J&K	-582	-884	0	-499	0	0
CHD	44	0	0	-55	0	0
Rajasthan	-129	-129	547	504	0	0
UP	998	567	0	0	0	0
Uttarakhand	-126	-126	14	-172	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	**9.72%**

(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:

XIV. Weather Conditions For 17.08.2016 :

XV. Synchronisation of new generating units :

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

First time charged at Sikar(PG) Bay No. 401, 402, 403, 404, 405, 406 at 12.52, 12.55, 12.52, 14.34, 14.36, 14.34hrs respectively on 17-08-2016.

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.

Report for : 17.08.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER