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 09.08.2016
Date of Reporting : 10.08.2016

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
45893	1516	47409	50.05	44681	254	44935	50.03	1065.1	8.92

* 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	64.54	16.24		80.78	129.73	129.40	-0.33	210.18	0.00
Haryana	30.68	0.99		31.67	147.26	145.26	-2.00	176.93	0.00
Rajasthan	77.93	5.77	10.72	94.42	55.06	54.91	-0.16	149.32	0.00
Delhi	20.92			20.92	91.33	90.57	-0.76	111.49	0.13
UP	133.70	19.64		153.35	158.29	157.94	-0.36	311.29	0.00
Uttarakhand		20.91		20.91	18.37	18.95	0.58	39.86	0.15
HP		24.54		24.54	-2.52	1.77	4.28	26.31	0.17
J & K		21.97	0.00	21.97	13.09	11.90	-1.19	33.87	8.47
Chandigarh				0.00	6.40	5.89	-0.51	5.89	0.00
Total	**327.76**	**110.06**	**10.72**	**448.55**	**617.03**	**616.58**	**-0.44**	**1065.13**	8.92

* 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	9491	0	-47	1569	7886	0	45	1797	9698	21:00	0
Haryana	7839	0	-382	2090	7664	0	18	2421	8607	21:00	0
Rajasthan	6448	0	-126	401	6441	0	118	438	6799	21:00	0
Delhi	4698	0	63	660	4698	0	192	487	5326	24:00	0
UP	12585	1010	325	639	14281	0	-165	1282	14690	1:00	0
Uttarakhand	1721	75	39	13	1591	0	24	-119	1774	10:00	0
HP	1117	0	272	-1658	901	0	370	-1796	1293	8:00	0
J&K	1724	431	103	-687	1016	254	-46	-1081	1724	20:00	431
Chandigarh	271	0	-20	-25	202	0	-14	0	300	16:00	0
Total	**45893**	**1516**	**226**	**3002**	**44681**	**254**	**541**	**3428**	**47852**	**22:00**	**479**

* 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	1842	1730	1989	43.24	1802	42.80	0.44
	Rihand I STPS (2*500)	1000	460	500	492	10.15	423	10.15	0.00
	Rihand II STPS (2*500)	1000	963	1014	999	20.60	858	20.87	-0.27
	Rihand III STPS (2*500)	1000	963	1033	1003	20.64	860	20.93	-0.28
	Dadri I STPS (4*210)	840	782	340	398	7.63	318	7.99	-0.35
	Dadri II STPS (2*490)	980	960	958	968	19.13	797	20.20	-1.07
	Unchahar I TPS (2*210)	420	341	344	356	7.46	311	8.21	-0.76
	Unchahar II TPS (2*210)	420	400	416	405	8.75	365	9.63	-0.88
	Unchahar III TPS (1*210)	210	200	202	214	4.40	183	4.81	-0.42
	ISTPP (Jhajjhar) (3*500)	1500	1425	1266	1304	24.49	1021	24.74	-0.25
	Dadri GPS (4*130.19+2*154.51)	830	791	353	391	7.96	332	8.42	-0.46
	Anta GPS (3*88.71+1*153.2)	419	409	250	233	5.54	231	5.57	-0.04
	Auraiya GPS (4*111.19+2*109.30)	663	634	143	154	3.47	144	3.60	-0.13
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	-0.01
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.05	-0.01
	Singrauli Solar(15)	15	1	0	0	0.00	0	0.02	-0.02
	KHEP(4*200)	800	855	853	852	20.53	855	20.52	0.01
	Sub Total (A)	**12112**	**11028**	**9402**	**9758**	**204**	**8501**	**209**	**-4.52**
B. NPC	NAPS (2*220)	440	384	420	423	9.21	384	9.22	-0.01
	RAPS- B (2*220)	440	177	204	211	4.39	183	4.25	0.14
	RAPS- C (2*220)	440	410	432	424	9.21	384	9.84	-0.63
	Sub Total (B)	**1320**	**971**	**1056**	**1058**	**22.81**	**950**	**23.30**	**-0.50**
C. NHPC	Chamera I HPS (3*180)	540	540	543	548	13.06	544	12.96	0.10
	Chamera II HPS (3*100)	300	301	309	304	7.25	302	7.22	0.03
	Chamera III HPS (3*77)	231	229	232	231	5.51	230	5.50	0.01
	Bairasuil HPS(3*60)	180	115	186	185	2.75	115	2.73	0.02
	Salal-HPS (6*115)	690	662	671	675	16.02	667	15.89	0.13
	Tanakpur-HPS (3*31.4)	94	90	96	97	2.28	95	2.15	0.13
	Uri-I HPS (4*120)	480	403	435	419	9.88	412	9.68	0.20
	Uri-II HPS (4*60)	240	229	241	233	5.60	233	5.50	0.10
	Dhauliganga-HPS (4*70)	280	210	210	206	5.03	210	5.04	-0.01
	Dulhasti-HPS (3*130)	390	381	394	386	9.21	384	9.14	0.07
	Sewa-II HPS (3*40)	120	124	128	126	3.03	126	2.97	0.05
	Parbati 3 (4*130)	520	520	521	262	8.67	361	8.55	0.12
	Sub Total (C)	**4065**	**3804**	**3966**	**3671**	**88**	**3679**	**87**	**0.97**
D.SJVNL	NJPC (6*250)	1500	404	0	0	9.45	394	10.53	-1.08
	Rampur HEP (6*68.67)	412	122	0	0	2.60	108	2.99	-0.39
	Sub Total (D)	**1912**	**526**	**0**	**0**	**12.06**	**502**	**13.53**	**-1.47**
E. THDC	Tehri HPS (4*250)	1000	968	969	971	23.07	961	23.23	-0.16
	Koteshwar HPS (4*100)	400	342	397	270	8.40	350	8.40	0.00
	Sub Total (E)	**1400**	**1310**	**1366**	**1241**	**31.47**	**1311**	**31.63**	**-0.16**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	809	1289	636	19.57	815	19.41	0.15
	Dehar HPS (6*165)	990	610	825	580	14.84	618	14.63	0.20
	Pong HPS (6*66)	396	254	396	198	6.18	258	6.11	0.08
	Sub Total (F)	**2765**	**1673**	**2510**	**1414**	**40.58**	**1691**	**40.15**	**0.44**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	228	230	5.51	229	5.31	0.20
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	0	0	8.59	358	15.60	-7.01
	Malana Stg-II HPS (2*50)	100	0	112	112	2.60	108	2.49	0.10
	Shree Cement TPS (2*150)	300	0	295	242	5.88	245	6.10	-0.22
	Budhil HPS(IPP) (2*35)	70	0	73	70	1.63	68	1.65	-0.02
	Sub Total (G)	**1662**	**0**	**709**	**654**	**24.20**	**1008**	**31.15**	**-6.95**
H. Total Regional Entities (A-G)		**25237**	**19311**	**19009**	**17795**	**423.44**	**17644**	**435.64**	**-12.20**

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	630	510	12.34	514
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	180	180	3.97	165
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	418	386	8.54	356
	Goindwal(GVK) (2*270)	540	0	0	0.06	2
	Rajpura (2*700)	1400	1320	660	22.86	952
	Talwandi Saboo (3*660)	1980	916	616	16.77	699
	Thermal (Total)	**6560**	**3464**	**2352**	**64.54**	**2689**
	Total Hydro	1000	779	685	16.24	677
	Total Punjab	**7560**	**4243**	**3037**	**80.78**	**3366**
Haryana	Panipat TPS (2*210+2*250)	920	435	420	9.75	406
	DCRTPP (Yamuna nagar) (2*300)	600	537	457	11.38	474
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	462	379	9.54	398
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4497**	**1434**	**1256**	**30.68**	**1278**
	Total Hydro	62	40	41	0.99	41
	Total Haryana	**4559**	**1474**	**1297**	**31.67**	**1319**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	495	566	12.67	528
	suratgarh TPS (6*250)	1500	179	182	4.27	178
	Chabra TPS (4*250)	1000	366	334	8.72	363
	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	155	156	3.66	152
	RAPS A (NPC) (1*100+1*200)	300	163	160	4.06	169
	Barsingsar (NLC) (2*125)	250	99	112	2.62	109
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	448	442	10.50	437
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	404	406	9.73	406
	Kawai(Adani) (2*660)	1320	883	970	21.71	905
	Thermal (Total)	**8876**	**3192**	**3328**	**78**	**3247**
	Total Hydro	550	320	131	5.77	240
	Wind power	3214	815	101	10.42	434
	Biomass	99	13	13	0.30	13
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	828	114	10.72	447
	Total Rajasthan	**13469**	**4340**	**3573**	**94.42**	**3934**
UP	Anpara TPS (3*210+2*500)	1630	1281	1166	28.70	1196
	Obra TPS (2*50+2*94+5*200)	1194	169	166	4.00	167
	Paricha TPS (2*110+2*220+2*250)	1160	579	790	16.30	679
	Panki TPS (2*105)	210	135	135	3.20	133
	Harduaganj TPS (1*60+1*105+2*250)	665	427	524	10.80	450
	Tanda TPS (NTPC) (4*110)	440	375	376	8.76	365
	Roza TPS (IPP) (4*300)	1200	824	833	18.94	789
	Anpara-C (IPP) (2*600)	1200	825	1080	22.63	943
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	227	324	6.27	261
	Anpara-D(2*500)	1000	0	0	0.00	0
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	514	546	12.91	538
	Thermal (Total)	**12449**	**5356**	**5940**	**133**	**5521**
	Vishnuparyag HPS (IPP)(4*110)	440	396	435	8.70	362
	Alaknanada(4*82.5)	330	339	340	8.17	340
	Other Hydro	527	94	287	2.78	116
	Cogeneration	981	50	50	1.20	50
	Total UP	**14727**	**6235**	**7052**	**153**	**6390**
Uttarakhand	Total Hydro	1398	870	902	20.91	871
	Total Gas	225	0	0	0.00	0
	Total Uttarakhand	**1623**	**870**	**902**	**21**	**871**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.08	-3
	Delhi Gas Turbine (6x30 + 3x34)	282	73	74	1.73	72
	Pragati Gas Turbine (2x104+ 1x122)	330	260	147	6.39	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	253	6.09	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	325	318	6.80	283
	Thermal (Total)	2917	912	791	20.92	872
	Total Delhi	**2917**	**912**	**791**	**20.92**	**872**
HP	Baspa HPS (IPP) (3*100)	300	329	329	7.85	327
	Malana HPS (IPP) (2*43)	86	102	102	2.44	102
	Other Hydro	878	660	619	14.25	594
	Total HP	**1264**	**1091**	**1050**	**24.54**	**1022**
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**	**20079**	**18620**	**448.55**	**18689**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**9917.74**	**9815.52**	**214.34**	**8931**
Total Regional Availability(Gross)		**72856**	**49006**	**46231**	**1086.34**	**45264**

IV. Total Hydro Generation:

Regional Entities Hydro		**12234**	**9036**	**7519**	**209.62**	**8734**
State Control Area Hydro		**7106**	**4843**	**4789**	**110.06**	**4586**
Total Regional Hydro		**19340**	**13879**	**12308**	**319.69**	**13320**

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)	100	-500	350	500	1.67	5.46	-3.79
765 KV Gwalior-Agra (D/C)	2653	2796	2977	0	57.62	0.00	57.62
400 KV Zerda-Kankroli	7	134	134	138	0.00	0.13	-0.13
400 KV Zerda-Bhinmal	-49	166	217	194	0.00	0.47	-0.47
220 KV Auraiya-Malanpur	-16	-4	0	51	0.02	0.00	0.02
220 KV Badod-Kota/Morak	64	164	108	8	2.69	0.00	2.69
Mundra-Mohindergarh(HVDC Bipole)	2298	2201	2404	0.00	52.22	0.00	52.22
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1130	1135	678	0	24.67	0.00	24.67
Sub Total WR	**6187**	**6092**			**138.89**	**6.06**	**132.82**
Pusauli Bypass/HVDC	111	106	0	128	0.00	2.49	-2.49
400 KV MZP- GKP (D/C)	260	478	622	0	10.05	0.00	10.05
400 KV Patna-Balia(D/C) X 2	731	532	731	0	15.59	0.00	15.59
400 KV B'Sharif-Balia (D/C)	286	281	369	0	6.90	0.00	6.90
765 KV Gaya-Balia	381	366	486	0	4.54	0.00	4.54
765 KV Gaya-Varanasi (D/C)	605	607	786	0	14.88	0.00	14.88
220 KV Pusauli-Sahupuri	200	187	220	0	4.52	0.00	4.52
132 KV K'nasa-Sahupuri	-36	-20	0	36	0.00	0.46	-0.46
132 KV Son Ngr-Rihand	-30	-20	0	34	0.00	0.59	-0.59
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	30	115	195	81	2.16	0.00	2.16
400 KV Barh -GKP (D/C)	556	490	556	0	11.11	0.00	11.11
400 kV B'Sharif - Varanasi (D/C)	155	120	282	0	3.99	0.00	3.99
Sub Total ER	**3249**	**3242**			**73.72**	**3.54**	**70.18**
+/- 800 KV BiswanathCharialli-Agra	482	482	491	0.00	11.34	0.00	11.34
Sub Total NER	**482**	**482**			**11.34**	**0.00**	**11.34**
Total IR Exch	**9918**	**9816**			**223.95**	**9.61**	**214.34**

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
42.32	3.86	46.18	41.99	13.09	2.39	2.53	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
90.56	117.51	208.07	81.52	132.82	214.34	-9.04	15.31	6.27

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	-2916	-22	0	32	0	1	-0.59

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	3.29	37.12	74.39	19.28	3.91	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)	
50.16	8.03	49.84	18.12	50.01	0.030	0.053	50.16	49.98	25.61

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	8:01	401	22:20	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	8:01	394	0:13	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	17:11	380	14:04	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	8:00	399	0:13	0.0	0.0	0.0	0.0	0.0
Dadri	400	413	5:28	393	14:23	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	422	6:01	397	14:24	0.0	0.0	4.7	0.0	4.7
Bawana	400	416	5:49	398	14:22	0.0	0.0	0.0	0.0	0.0
Bassi	400	423	6:01	396	19:42	0.0	0.0	7.4	0.0	7.4
Hissar	400	412	5:49	392	19:51	0.0	0.0	0.0	0.0	0.0
Moga	400	410	5:45	396	19:42	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	414	3:50	398	11:14	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	421	4:01	401	11:19	0.0	0.0	2.1	0.0	2.1
Kishenpur	400	412	3:58	401	19:50	0.0	0.0	0.0	0.0	0.0
Wagoora	400	407	3:26	389	20:14	0.0	0.0	0.0	0.0	0.0
Amritsar	400	416	5:50	400	19:33	0.0	0.0	0.0	0.0	0.0
Kashipur	400	418	6:07	408	12:18	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	417	3:59	401	12:25	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	411	17:33	388	12:39	0.0	2.2	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	789	6:06	745	21:19	0.0	0.0	0.0	0.0	0.0
Balia	765	789	8:02	750	0:13	0.0	0.0	0.0	0.0	0.0
Moga	765	792	17:03	762	12:40	0.0	0.0	0.0	0.0	0.0
Agra	765	796	8:02	748	19:37	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	796	6:00	762	12:38	0.0	0.0	0.0	0.0	0.0
Unnao	765	771	8:01	731	0:12	0.0	20.4	0.0	0.0	0.0
Lucknow	765	788	8:02	746	0:13	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	6:03	769	12:39	0.0	0.0	18.5	0.0	18.5
Jhatikara	765	772	0:00	772	0:00	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	782	17:03	743	0:13	0.0	0.0	0.0	0.0	0.0
Anta	765	793	6:03	625	10:59	24.4	24.4	0.0	0.0	24.4
Phagi	765	798	6:02	748	11:58	0.0	0.0	0.0	0.0	0.0

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	492.24	808.03	506.56	1382.01	2171.82	651.29
Pong	426.72	384.05	410.53	514.41	420.56	916.71	1518.32	400.26
Tehri	829.79	740.04	801.60	639.00	803.85	683.00	902.11	562.00
Koteshwar	612.50	598.50	609.93	4.44	611.47	5.46	562.00	554.49
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	659.64	358.21
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	513.03	6.09	523.58	10.80	1216.49	253.01

*** 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	1571	226	0	1202	367	0	39.00	4.56	43.56
Delhi	480	7	0	647	14	0	17.48	1.32	18.81
Haryana	2018	390	13	1702	375	13	42.84	7.81	50.65
HP	-1505	-291	0	-1327	-331	0	-31.22	-7.75	-38.97
J&K	-582	-499	0	-672	-15	0	-16.37	-3.43	-19.80
CHD	0	0	0	0	-25	0	0.36	-0.08	0.27
Rajasthan	-129	566	0	-129	529	0	-3.08	13.19	10.11
UP	987	294	0	639	0	0	17.61	2.58	20.19
Uttarakhand	-121	1	0	-121	134	0	-2.90	0.96	-1.94
Total	**2720**	**694**	**13**	**1941**	**1048**	**13**	**63.71**	**19.15**	**82.87**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1919	973	454	26	0	0
Delhi	964	480	313	-163	0	0
Haryana	2042	1430	405	81	13	13
HP	-931	-1505	-254	-431	0	0
J&K	-582	-833	0	-499	0	0
CHD	44	0	0	-45	0	0
Rajasthan	-129	-129	568	529	0	0
UP	1055	603	491	0	0	0
Uttarakhand	-121	-121	140	-44	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	**7.99%**
ER	**0.00%**
Simultaneous	**11.11%**

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

WR	**25.35%**
ER	**0.00%**
Simultaneous	**26.04%**

(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 09.08.2016 :

XV. Synchronisation of new generating units :

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

400kV Bus-2 at Aligarh first time charged at 1819 on 09-08-2016.

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 : 09.08.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER